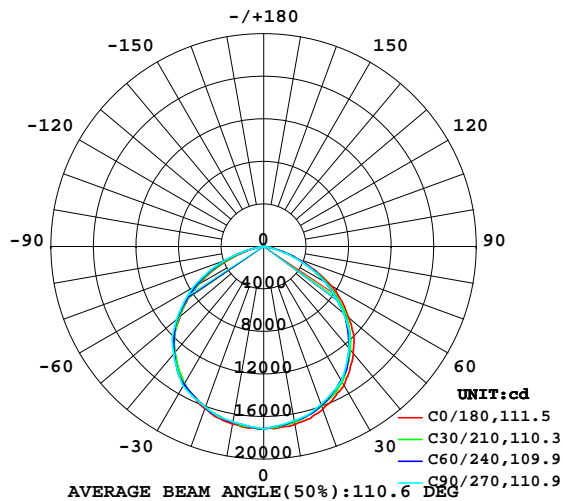


## LUMINAIRE PHOTOMETRIC TEST REPORT

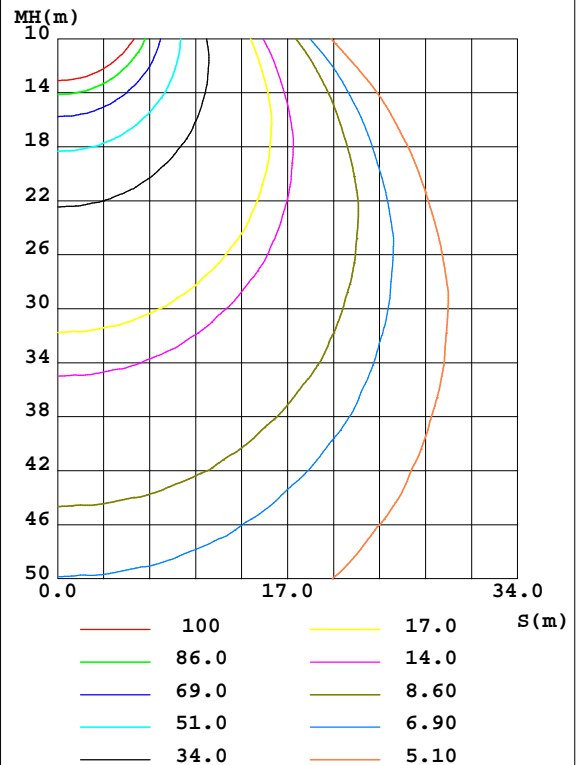
Test:U:120.82V I:2.6730A P:293.08W PF:0.9075 Freq:50.02Hz Lamp Flux:46047.8x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 157.12 lm/W			
MODEL	GST-48-U1	Imax(cd)	17188	S/MH(C0/180)	1.29
NOMINAL POWER(W)	300	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	46048	$\eta$ UP,DN(C0-180)	0.0,48.8
NOMINAL FLUX(lm)	46047.8	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,51.2
LAMPS INSIDE	1	$\eta$ up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	$\eta$ down(%)	100.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jessy  
Test Date:2024-11-06

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65%  
Test Distance:6.878m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	1701	1671	1663	1672	1696	1679	1674	1678	0- 10	1615	1615	3.51,3.51
20	1630	1594	1579	1600	1623	1613	1608	1617	10- 20	4655	6269	13.6,13.6
30	1510	1455	1463	1456	1501	1483	1516	1488	20- 30	7136	13405	29.1,29.1
40	1314	1276	1249	1282	1301	1314	1319	1323	30- 40	8711	22117	48,48
50	1044	994.6	981.5	997.6	1029	1035	1069	1049	40- 50	8991	31108	67.6,67.6
60	729.0	673.2	660.1	667.2	703.2	718.5	766.4	735.7	50- 60	7750	38858	84.4,84.4
70	344.9	327.7	307.8	311.9	319.0	367.2	395.7	386.2	60- 70	5163	44021	95.6,95.6
80	61.04	45.61	0	40.80	54.95	65.02	0	74.75	70- 80	1933	45954	99.8,99.8
90	1.130	0	0	0	1.223	0	0	0	80- 90	94.05	46048	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:×10cd									UNIT: lm		

Conical surface Flux(90deg): 26670 lm

%lum = 57.9%

%lamp = 57.9%

Conical surface Flux(120deg): 38858 lm

%lum = 84.4%

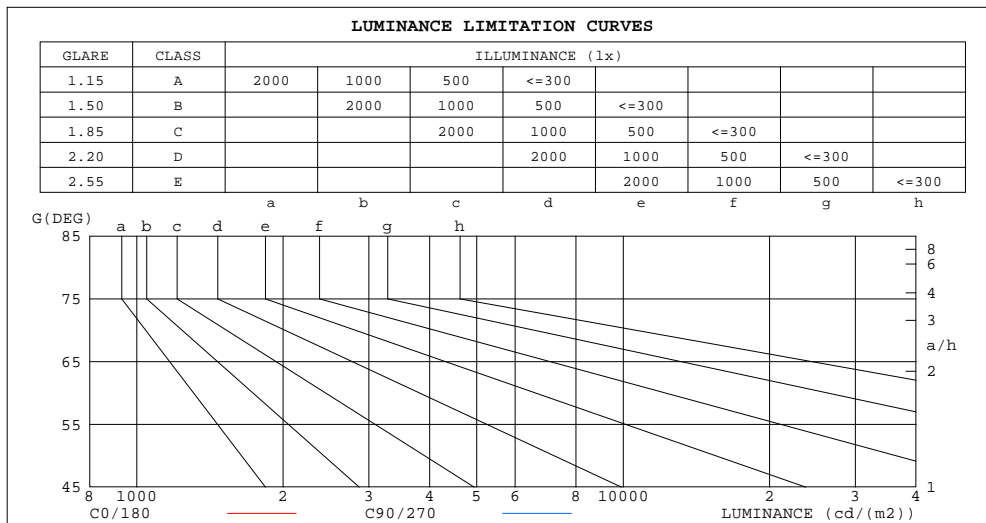
%lamp = 84.4%

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jessy  
Test Date:2024-11-06

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65%  
Test Distance:6.878m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:120.82V I:2.6730A P:293.08W PF:0.9075 Freq:50.02Hz Lamp Flux:46047.8x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	38978	0
80	146456	0
75	284205	212015
70	420215	375027
65	525552	477168
60	607477	550106
55	650954	596276
50	677020	636240
45	708700	673058

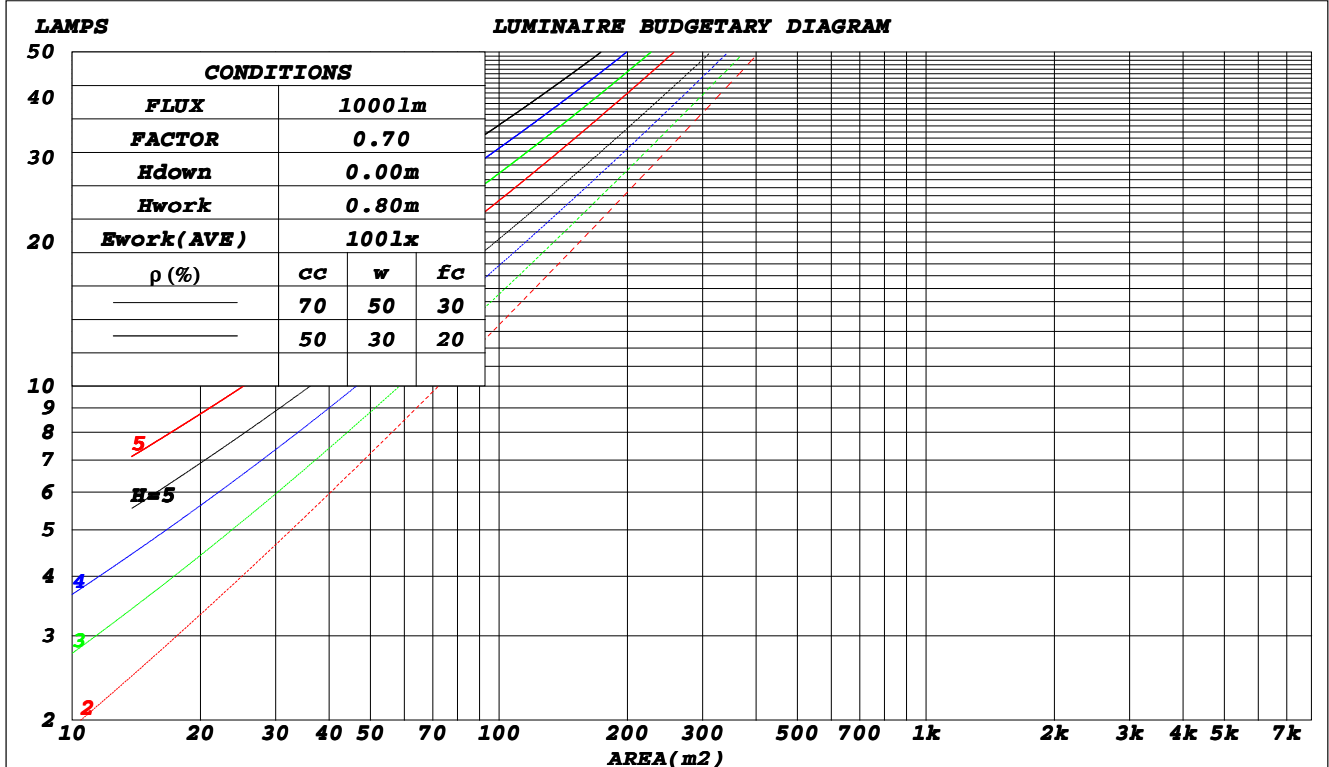
**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Jessy**  
**Test Date:2024-11-06**

**V(B) Range:-75 - 75DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411**  
**Humidity:65%**  
**Test Distance:6.878m [K=1.0000]**  
**Remarks:**

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.82V I:2.6730A P:293.08W PF:0.9075 Freq:50.02Hz Lamp Flux:46047.8x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.06	1.02	.98	1.03	.90	.97	.99	.96	.94	.95	.93	.91	.92	.90	.88	.86
2.0	.93	.86	.81	.91	.85	.80	.87	.83	.78	.84	.80	.77	.81	.78	.75	.73
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.75	.69	.65	.72	.68	.64	.62
4.0	.73	.64	.58	.71	.64	.57	.69	.62	.57	.67	.61	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.50	.62	.55	.49	.60	.54	.49	.58	.53	.48	.46
6.0	.59	.50	.44	.58	.49	.43	.56	.48	.43	.54	.48	.43	.53	.47	.42	.40
7.0	.53	.45	.39	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.38	.36
8.0	.48	.40	.34	.48	.40	.34	.46	.39	.34	.45	.39	.34	.44	.38	.34	.32
9.0	.44	.36	.31	.44	.36	.31	.43	.36	.31	.42	.35	.30	.41	.35	.30	.29
10.0	.41	.33	.28	.40	.33	.28	.39	.33	.28	.39	.32	.28	.38	.32	.28	.26



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jessy  
Test Date:2024-11-06

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65%  
Test Distance:6.878m [K=1.0000]  
Remarks:

## WEC AND CCEC

Test:U:120.82V I:2.6730A P:293.08W PF:0.9075 Freq:50.02Hz Lamp Flux:46047.8x1 lm					
NAME: LED Explosion-proof Light			TYPE:Flood Light		WEIGHT:N/A
SPEC.:300W			DIM.: 230mm		SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.			SUR.:N/A		Shielding Angle:N/A

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.276	.157	.050	.269	.153	.049	.256	.147	.047	.244	.141	.045	.233	.135	.043	
2.0	.269	.147	.045	.263	.145	.045	.251	.140	.043	.241	.135	.042	.231	.131	.041	
3.0	.254	.135	.040	.248	.133	.040	.238	.129	.039	.229	.125	.038	.220	.122	.038	
4.0	.237	.123	.036	.233	.122	.036	.224	.119	.035	.215	.116	.035	.207	.113	.034	
5.0	.222	.113	.033	.217	.112	.032	.209	.109	.032	.202	.107	.032	.195	.104	.031	
6.0	.207	.104	.030	.203	.103	.030	.196	.100	.029	.189	.098	.029	.183	.096	.029	
7.0	.194	.096	.027	.190	.095	.027	.184	.093	.027	.178	.091	.027	.172	.089	.026	
8.0	.181	.089	.025	.178	.088	.025	.173	.086	.025	.167	.085	.024	.162	.083	.024	
9.0	.171	.083	.023	.168	.082	.023	.163	.080	.023	.158	.079	.023	.153	.078	.023	
10.0	.161	.077	.021	.158	.076	.021	.154	.075	.021	.149	.074	.021	.145	.073	.021	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.178	.156	.137	.152	.134	.118	.104	.092	.082	.060	.053	.047	.019	.017	.015	
2.0	.169	.132	.101	.145	.114	.087	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.161	.114	.077	.138	.099	.066	.095	.068	.047	.055	.040	.027	.018	.013	.009	
4.0	.154	.101	.060	.132	.087	.052	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.147	.090	.048	.126	.078	.042	.087	.055	.030	.050	.032	.018	.016	.010	.006	
6.0	.140	.082	.040	.120	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.133	.075	.034	.115	.065	.030	.079	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.127	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.121	.064	.026	.105	.056	.022	.072	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.069	.037	.014	.040	.022	.008	.013	.007	.003	

**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Jessy**  
**Test Date:2024-11-06**

**V(B) Range:-75 - 75DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411**  
**Humidity:65%**  
**Test Distance:6.878m [K=1.0000]**  
**Remarks:**

UGR(Unified Glare Rating) Table

Test:U:120.82V I:2.6730A P:293.08W PF:0.9075 Freq:50.02Hz Lamp Flux:46047.8x1 lm											
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A			
SPEC.:300W					DIM.: 230mm			SERIAL No.:N/A			
MFR.: Grin Industrial Co., Ltd.					SUR.:N/A			Shielding Angle:N/A			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	Viewed crosswise					Viewed endwise					
x = 2H y = 2H	2H	22.0	23.4	22.2	23.6	23.8	21.6	23.1	21.9	23.3	23.5
	3H	22.9	24.3	23.2	24.5	24.7	22.6	23.9	22.9	24.2	24.4
	4H	23.1	24.4	23.4	24.6	24.9	22.7	24.0	23.1	24.3	24.5
	6H	23.1	24.3	23.4	24.6	24.9	22.7	23.9	23.0	24.1	24.4
	8H	23.1	24.2	23.4	24.5	24.8	22.6	23.8	23.0	24.1	24.4
	12H	23.0	24.1	23.4	24.4	24.7	22.6	23.7	22.9	24.0	24.3
4H	2H	22.4	23.7	22.7	23.9	24.2	22.1	23.4	22.4	23.7	23.9
	3H	23.5	24.6	23.8	24.9	25.2	23.2	24.3	23.6	24.6	24.9
	4H	23.7	24.7	24.1	25.0	25.4	23.4	24.4	23.8	24.7	25.1
	6H	23.8	24.7	24.2	25.0	25.4	23.4	24.3	23.8	24.6	25.0
	8H	23.7	24.6	24.2	24.9	25.3	23.3	24.2	23.7	24.5	24.9
	12H	23.7	24.5	24.1	24.8	25.2	23.3	24.0	23.7	24.4	24.8
8H	4H	23.8	24.6	24.2	25.0	25.3	23.5	24.3	23.9	24.7	25.0
	6H	23.9	24.5	24.3	24.9	25.4	23.4	24.1	23.9	24.5	25.0
	8H	23.9	24.4	24.3	24.9	25.3	23.4	24.0	23.9	24.4	24.9
	12H	23.8	24.3	24.3	24.8	25.3	23.4	23.9	23.8	24.3	24.8
12H	4H	23.7	24.5	24.1	24.9	25.3	23.4	24.2	23.9	24.6	25.0
	6H	23.8	24.4	24.3	24.8	25.3	23.4	24.0	23.9	24.4	24.9
	8H	23.8	24.3	24.3	24.8	25.3	23.4	23.9	23.9	24.3	24.8
Variations with the observer position at spacings:											
S = 1.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.4					
1.5H	+ 0.3 / - 0.4					+ 0.2 / - 0.5					
2.0H	+ 0.5 / - 0.5					+ 0.5 / - 0.5					

CIE Pub.117, 46048 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 13.3$ )  
Area: 0.024 m<sup>2</sup>

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jessy  
Test Date:2024-11-06

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65%  
Test Distance:6.878m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.82V I:2.6730A P:293.08W PF:0.9075 Freq:50.02Hz Lamp Flux:46047.8x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

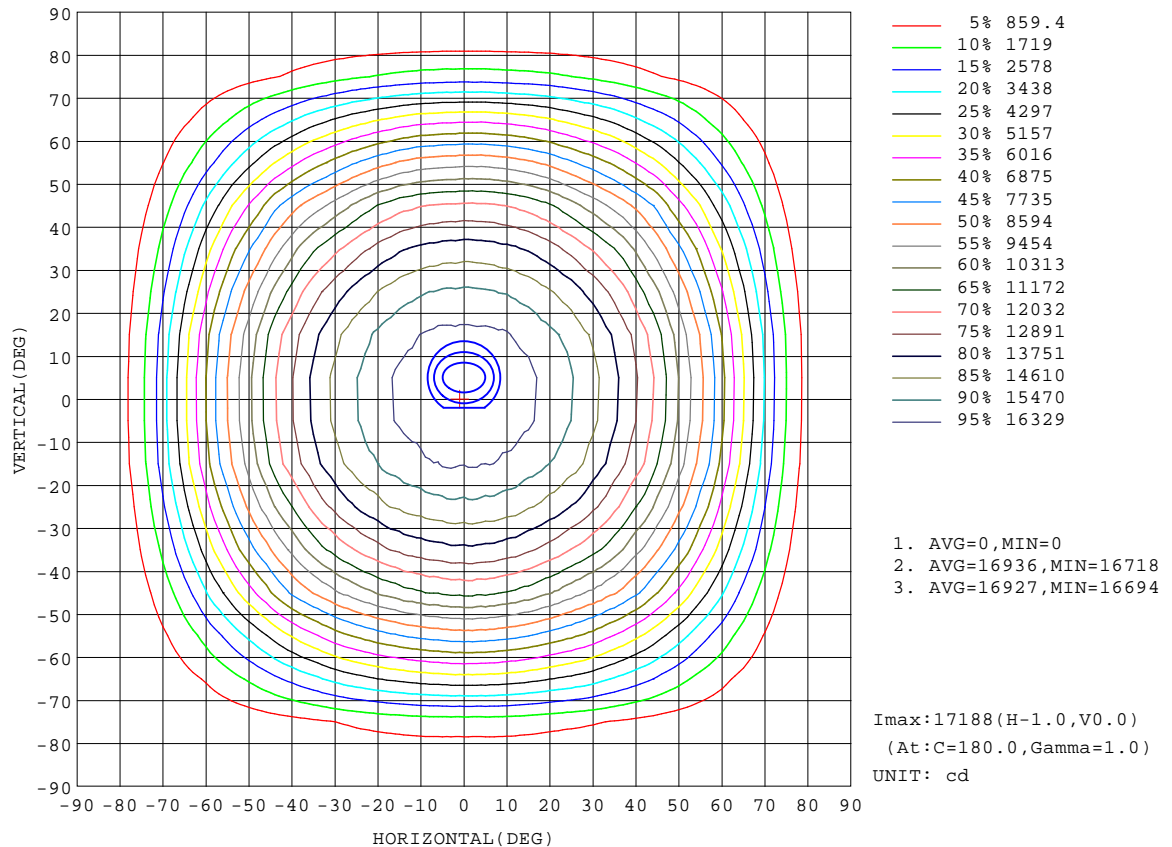
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	58	48	41	57	47	41	34
0.80	70	58	51	69	58	51	67	57	51	44
1.00	78	68	61	77	67	60	75	68	60	53
1.25	85	76	69	84	75	68	81	73	68	61
1.50	90	81	75	89	80	74	86	79	73	66
2.00	97	89	83	95	88	83	92	86	81	74
2.50	101	94	88	99	92	87	95	90	85	78
3.00	104	98	93	102	96	92	98	93	90	81
4.00	108	103	98	105	101	97	101	98	94	86
5.00	110	106	102	108	104	100	103	100	97	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

**$H(\beta)$  Range:-90 - 90DEG**  
 **$H(\beta)$  Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Jessy**  
**Test Date:2024-11-06**

**$V(B)$  Range:-75 - 75DEG**  
 **$V(B)$  Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411**  
**Humidity:65%**  
**Test Distance:6.878m [K=1.0000]**  
**Remarks:**

## ISOCANDELA DIAGRAM

Test:U:120.82V I:2.6730A P:293.08W PF:0.9075 Freq:50.02Hz Lamp Flux:46047.8x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Jessy**  
**Test Date:2024-11-06**

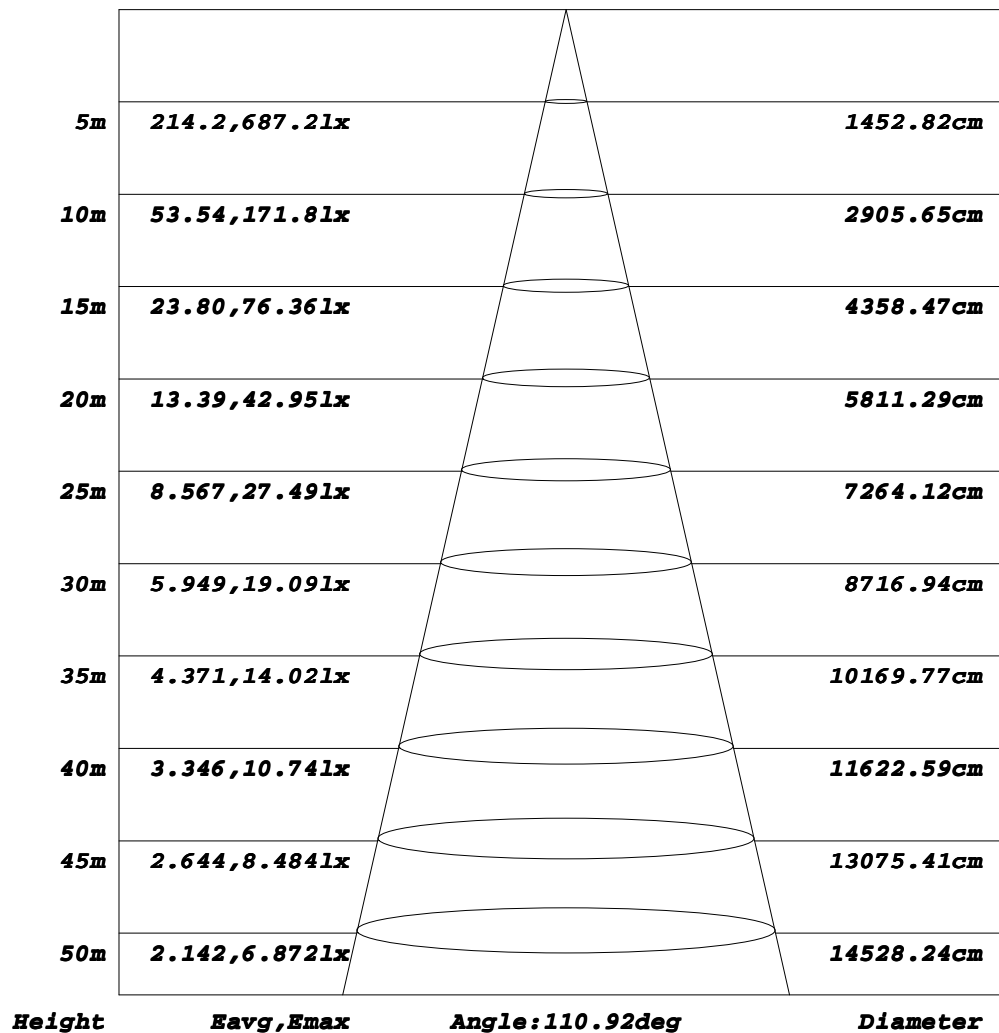
**V(B) Range:-75 - 75DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411**  
**Humidity:65%**  
**Test Distance:6.878m [K=1.0000]**  
**Remarks:**



## AAI Figure

Test:U:120.82V I:2.6730A P:293.08W PF:0.9075 Freq:50.02Hz Lamp Flux:46047.8x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:35610 lm



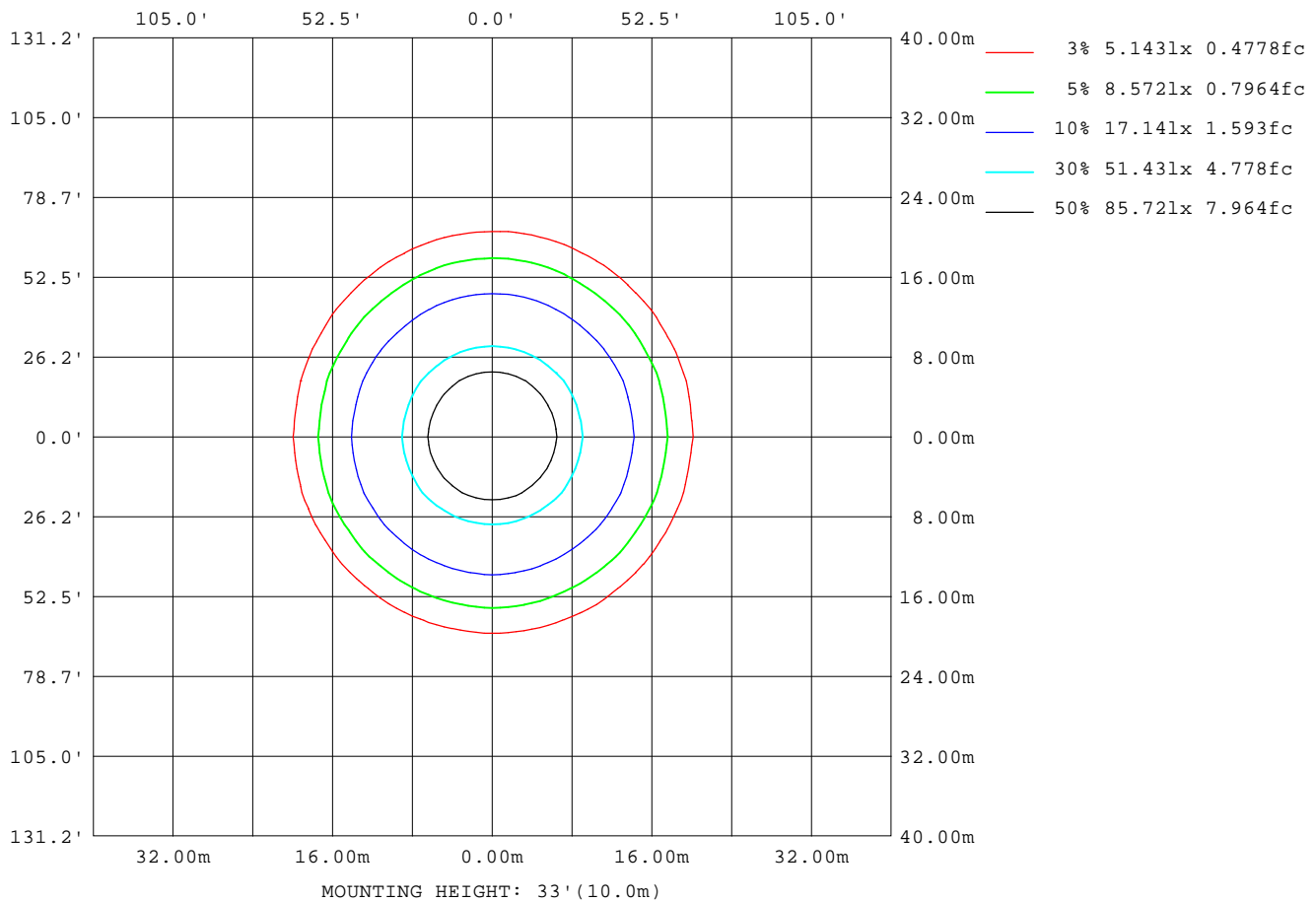
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H( $\beta$ ) Range: -90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jessie  
Test Date: 2024-11-06

V(B) Range: -75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity: 65%  
Test Distance: 6.878m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

Test:U:120.82V I:2.6730A P:293.08W PF:0.9075 Freq:50.02Hz Lamp Flux:46047.8x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Jessy**  
**Test Date:2024-11-06**

**V(B) Range:-75 - 75DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411**  
**Humidity:65%**  
**Test Distance:6.878m [K=1.0000]**  
**Remarks:**

## LED Avg.L Report

Test:U:120.82V I:2.6730A P:293.08W PF:0.9075 Freq:50.02Hz Lamp Flux:46047.8x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

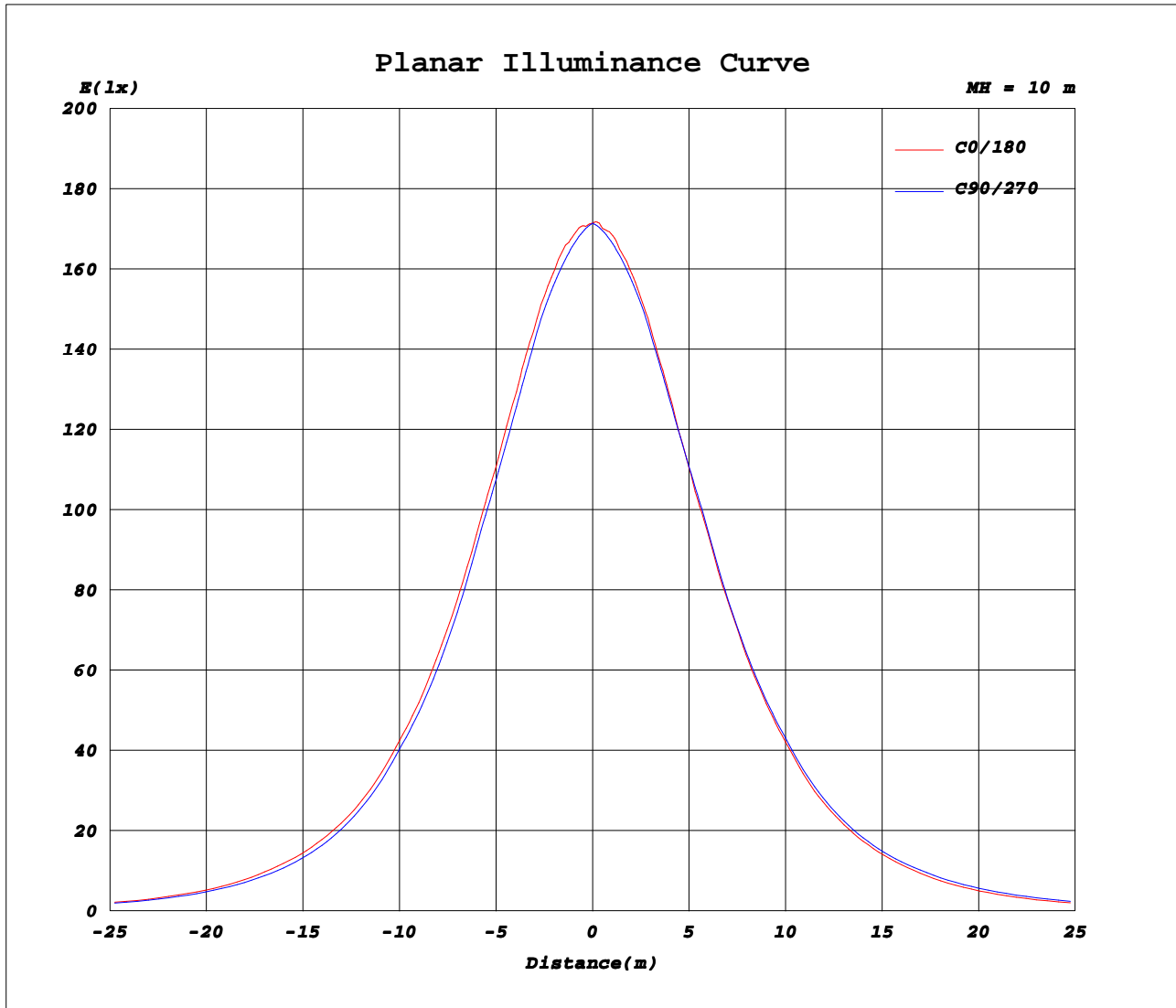
AvgL	cd/m2
L_0~180(65)av	514676
L_0~180(75)av	270278
L_0~180(85)av	33485
L_90~270(65)av	525019
L_90~270(75)av	275318
L_90~270(85)av	0
L_45(65)av	511623
L_45(75)av	314168
L_45(85)av	0

Standard: GB/T 29293-2012

**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Jessy**  
**Test Date:2024-11-06**

**V(B) Range:-75 - 75DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411**  
**Humidity:65%**  
**Test Distance:6.878m [K=1.0000]**  
**Remarks:**

## Planar Illuminance Curve



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jessy  
Test Date:2024-11-06

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65%  
Test Distance:6.878m [K=1.0000]  
Remarks:

Photometric Data Table [cd]

G/C	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
0.0	17144	17144	17144	17144	17144	17144	17144	17144	17144	17144
2.5	17124	17113	17102	17089	17076	17063	17049	17035	17027	17024
5.0	17112	17090	17069	17050	17033	17017	17003	16991	16980	16970
7.5	17070	17035	16999	16962	16926	16901	16880	16862	16846	16829
10.0	17006	16959	16914	16873	16834	16798	16777	16765	16738	16706
12.5	16857	16799	16746	16701	16663	16633	16612	16596	16569	16548
15.0	16763	16682	16605	16533	16468	16433	16416	16407	16406	16399
17.5	16505	16423	16348	16289	16259	16239	16213	16169	16170	16204
20.0	16295	16201	16123	16060	16018	16006	15969	15973	15956	15936
22.5	16000	15902	15819	15762	15731	15713	15697	15727	15737	15676
25.0	15714	15607	15524	15459	15437	15434	15445	15444	15355	15325
27.5	15390	15269	15175	15136	15123	15098	15113	15076	14996	14920
30.0	15100	14944	14824	14751	14757	14785	14757	14608	14591	14549
32.5	14603	14454	14350	14325	14316	14328	14284	14225	14124	14142
35.0	14148	13984	13881	13849	13877	13835	13737	13741	13716	13685
37.5	13654	13488	13388	13368	13357	13301	13239	13195	13257	13239
40.0	13144	12973	12871	12854	12835	12723	12704	12713	12744	12758
42.5	12545	12386	12328	12353	12217	12125	12117	12203	12215	12067
45.0	12027	11788	11677	11745	11627	11463	11497	11591	11505	11348
47.5	11241	11032	10966	10968	10873	10867	10810	10837	10759	10663
50.0	10444	10251	10205	10200	10127	10146	10168	10030	10018	9946
52.5	9685	9504	9493	9393	9376	9431	9356	9268	9264	9232
55.0	8961	8749	8728	8649	8607	8650	8502	8515	8502	8537
57.5	8148	7970	8006	7799	7883	7751	7677	7676	7779	7642
60.0	7290	7055	7049	6969	7001	6896	6812	6880	6846	6732
62.5	6264	6086	6048	6044	6020	5955	5979	5941	5899	5830
65.0	5331	5143	5088	5108	5065	5030	5068	4986	4972	4944
67.5	4341	4201	4146	4154	4137	4146	4103	4075	4066	4051
70.0	3449	3316	3268	3241	3255	3245	3196	3189	3188	3277
72.5	2555	2454	2425	2395	2403	2413	2347	2380	2472	2527
75.0	1765	1670	1666	1643	1662	1626	1655	1748	1790	1790
77.5	1110	1043	1039	1046	1031	1040	1134	1156	1134	1071
80.0	610.4	544.2	557.6	586.9	595.7	651.8	664.0	604.4	503.2	456.1
82.5	259.3	235.8	264.7	291.3	335.4	313.5	238.2	195.4	138.0	61.34
85.0	81.53	79.37	115.4	140.6	116.1	61.00	0	0	0	0
87.5	11.22	30.52	36.01	0	0	0	0	0	0	0
90.0	11.30	0	0	0	0	0	0	0	0	0

G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	17144	17144	17144	17144	17144	17144	17144	17144	17144	17144
2.5	17022	17021	17021	17022	17020	17018	17016	17015	17015	17024
5.0	16963	16950	16924	16899	16894	16897	16898	16891	16886	16900
7.5	16815	16809	16810	16819	16800	16775	16779	16773	16774	16774
10.0	16694	16681	16657	16655	16677	16679	16661	16659	16627	16645
12.5	16566	16549	16548	16520	16511	16557	16550	16547	16498	16516
15.0	16373	16373	16401	16413	16373	16382	16441	16431	16368	16391
17.5	16237	16209	16186	16200	16179	16114	16169	16148	16078	16120
20.0	15966	15966	15890	15875	15886	15822	15854	15862	15788	15844
22.5	15593	15610	15611	15552	15577	15555	15550	15577	15498	15565
25.0	15277	15233	15289	15246	15257	15274	15253	15290	15207	15281
27.5	14918	14883	14921	14949	14943	14984	14948	14997	14917	14993
30.0	14524	14540	14544	14648	14610	14676	14635	14702	14627	14701
32.5	14123	14173	14185	14298	14200	14188	14139	14151	14093	14155
35.0	13740	13766	13710	13667	13647	13617	13597	13588	13559	13601
37.5	13265	13154	13096	13049	13091	13041	13045	13024	13024	13046
40.0	12580	12527	12455	12462	12474	12460	12492	12466	12490	12486
42.5	11909	11857	11849	11857	11888	11936	11936	11906	11956	11924
45.0	11264	11178	11195	11218	11247	11317	11375	11345	11422	11362
47.5	10558	10522	10563	10579	10620	10602	10602	10562	10619	10566
50.0	9886	9817	9837	9781	9824	9798	9791	9769	9815	9759
52.5	9205	9081	8997	8992	9003	9000	8985	8976	9012	8953
55.0	8392	8256	8189	8181	8186	8198	8185	8186	8208	8151
57.5	7499	7436	7415	7366	7379	7396	7388	7395	7405	7350
60.0	6642	6643	6588	6556	6575	6601	6593	6601	6601	6549
62.5	5791	5796	5789	5736	5740	5755	5731	5726	5721	5682
65.0	4913	4952	4975	4900	4869	4882	4858	4848	4840	4812
67.5	4073	4111	4128	4056	4008	4010	3985	3970	3959	3943
70.0	3280	3278	3282	3195	3148	3137	3114	3092	3078	3074
72.5	2498	2462	2431	2341	2288	2266	2243	2215	2198	2205
75.0	1730	1660	1587	1494	1430	1400	1374	1338	1317	1336
77.5	974.5	867.9	818.5	775.8	740.2	720.1	697.2	671.8	658.5	670.9
80.0	414.4	353.7	281.8	208.3	141.4	84.88	39.19	9.878	0	9.862
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-06

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411

Humidity:65%

Test Distance:6.878m [K=1.0000]

Remarks:

Photometric Data Table [cd]

87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	17144	17144	17144	17144	17144	17144	17144	17144	17144	17144
2.5	17033	17044	17055	17065	17070	17075	17081	17087	17094	17099
5.0	16917	16928	16937	16941	16929	16919	16922	16936	16950	16968
7.5	16792	16810	16801	16796	16809	16826	16849	16859	16864	16879
10.0	16673	16682	16685	16696	16712	16690	16698	16720	16709	16710
12.5	16557	16572	16577	16565	16530	16553	16533	16546	16545	16548
15.0	16448	16463	16446	16383	16398	16390	16364	16335	16346	16379
17.5	16186	16191	16144	16196	16232	16178	16144	16171	16182	16190
20.0	15887	15863	15861	15887	15869	15886	15956	15999	15952	15955
22.5	15585	15536	15559	15562	15545	15601	15647	15662	15754	15768
25.0	15269	15237	15248	15214	15259	15294	15285	15370	15442	15445
27.5	14936	14940	14932	14926	14948	14920	14984	15004	14988	15113
30.0	14593	14631	14585	14626	14597	14617	14606	14559	14644	14709
32.5	14095	14157	14202	14314	14258	14270	14165	14201	14223	14228
35.0	13549	13593	13643	13719	13811	13838	13789	13792	13742	13783
37.5	12988	13026	13049	13074	13181	13200	13354	13311	13301	13271
40.0	12422	12435	12473	12470	12527	12566	12680	12823	12802	12765
42.5	11857	11847	11889	11858	11880	11934	11987	12125	12220	12232
45.0	11294	11277	11296	11232	11224	11275	11315	11397	11545	11606
47.5	10548	10562	10603	10600	10569	10597	10650	10672	10759	10818
50.0	9756	9743	9766	9823	9870	9917	9959	9976	9999	10012
52.5	8959	8932	8937	9002	9048	9102	9233	9230	9237	9219
55.0	8149	8132	8127	8176	8206	8295	8350	8498	8505	8444
57.5	7334	7332	7332	7342	7382	7440	7479	7575	7754	7642
60.0	6516	6526	6534	6522	6550	6582	6571	6672	6764	6803
62.5	5656	5673	5708	5706	5723	5713	5678	5743	5805	5798
65.0	4796	4807	4846	4850	4885	4852	4788	4804	4833	4854
67.5	3942	3946	3979	4000	4033	4010	3947	3898	3888	3908
70.0	3086	3091	3122	3150	3188	3182	3159	3119	3014	3019
72.5	2229	2242	2273	2307	2349	2368	2388	2381	2320	2220
75.0	1371	1390	1429	1471	1518	1567	1630	1673	1665	1625
77.5	695.7	715.0	741.3	761.9	765.9	783.7	889.8	986.5	1042	1068
80.0	39.08	84.23	141.5	204.3	262.7	317.0	368.1	408.0	448.2	546.6
82.5	0	0	0	0	0	0	0	54.76	121.7	170.5
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	17144	17144	17144	17144	17144	17144	17144	17144	17144	17144
2.5	17098	17099	17102	17106	17112	17120	17129	17121	17115	17110
5.0	16989	17012	17034	17057	17080	17102	17124	17106	17087	17068
7.5	16903	16928	16951	16965	16983	17007	17037	17014	16996	16984
10.0	16731	16756	16786	16822	16864	16910	16957	16921	16887	16854
12.5	16556	16588	16635	16682	16728	16779	16836	16790	16749	16712
15.0	16403	16430	16463	16503	16556	16618	16689	16634	16586	16546
17.5	16191	16220	16254	16292	16340	16398	16469	16409	16361	16327
20.0	15978	16002	16003	16024	16074	16147	16235	16163	16103	16060
22.5	15728	15698	15711	15767	15825	15888	15972	15895	15838	15802
25.0	15439	15456	15445	15438	15486	15559	15651	15568	15505	15469
27.5	15188	15148	15107	15114	15153	15203	15292	15216	15175	15163
30.0	14765	14795	14747	14794	14886	15011	14901	14825	14795	14755
32.5	14320	14426	14368	14346	14371	14422	14524	14438	14405	14413
35.0	13823	13889	13936	13891	13898	13970	14094	13984	13926	13937
37.5	13303	13390	13499	13387	13399	13455	13574	13481	13458	13505
40.0	12769	12777	12895	12895	12859	12896	13014	12919	12901	12965
42.5	12139	12155	12278	12362	12331	12364	12489	12383	12368	12443
45.0	11495	11469	11623	11793	11697	11750	11927	11785	11773	11888
47.5	10779	10813	10895	11006	10945	10961	11111	10980	11002	11124
50.0	10078	10107	10074	10190	10199	10165	10291	10173	10217	10264
52.5	9292	9337	9350	9400	9420	9406	9536	9422	9482	9467
55.0	8431	8605	8559	8591	8687	8618	8742	8641	8726	8675
57.5	7590	7681	7805	7728	7903	7827	7948	7842	7952	7865
60.0	6722	6792	6889	6846	6964	6906	7032	6930	7025	6965
62.5	5858	5855	5887	5925	5939	5943	6045	5959	6010	6053
65.0	4925	4908	4944	4995	4987	5015	5110	5027	5038	5119
67.5	3983	4006	4002	4039	4020	4061	4101	4054	4079	4135
70.0	3063	3129	3086	3116	3120	3185	3190	3171	3162	3241
72.5	2204	2269	2276	2264	2290	2342	2322	2303	2339	2382
75.0	1518	1501	1559	1549	1568	1574	1592	1580	1607	1658
77.5	1032	952.2	950.7	974.7	962.2	960.6	1010	992.5	1021	1070

H( $\beta$ ) Range:-90 - 90DEGH( $\beta$ ) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-06

V( $\beta$ ) Range:-75 - 75DEGV( $\beta$ ) Interval: 5.0DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411

Humidity:65%

Test Distance:6.878m [K=1.0000]

Remarks:

Photometric Data Table [cd]

80.0	592.8	592.8	537.3	533.5	502.8	499.2	549.5	539.7	572.1	605.9
82.5	201.2	273.9	291.7	249.4	231.5	205.7	225.5	226.3	272.8	302.4
85.0	0	50.14	87.02	108.0	90.28	72.30	58.55	80.05	106.8	136.3
87.5	0	0	0	0	26.34	25.19	14.41	19.80	26.10	0
90.0	0	0	0	0	0	0	12.23	0	0	0
G/C	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0	240.0	245.0
0.0	17144	17144	17144	17144	17144	17144	17144	17144	17144	17144
2.5	17107	17106	17106	17107	17105	17100	17097	17094	17092	17091
5.0	17048	17028	17007	16988	16971	16958	16946	16943	16955	16968
7.5	16976	16963	16951	16944	16931	16914	16895	16870	16851	16838
10.0	16824	16798	16781	16768	16774	16790	16801	16802	16784	16760
12.5	16680	16656	16646	16648	16640	16633	16631	16655	16689	16680
15.0	16513	16496	16487	16463	16464	16485	16502	16512	16529	16577
17.5	16316	16312	16300	16294	16303	16292	16329	16371	16385	16364
20.0	16044	16054	16048	16082	16112	16135	16123	16102	16110	16108
22.5	15797	15794	15808	15847	15858	15863	15845	15822	15826	15839
25.0	15480	15493	15537	15589	15562	15518	15529	15541	15530	15557
27.5	15180	15197	15248	15193	15200	15197	15183	15231	15261	15281
30.0	14812	14855	14888	14798	14835	14825	14865	14881	14968	15002
32.5	14441	14510	14436	14425	14423	14426	14501	14574	14639	14723
35.0	14005	14017	13977	13956	14003	14064	14099	14228	14182	14204
37.5	13558	13509	13476	13507	13532	13640	13718	13655	13645	13679
40.0	13018	12976	12974	13009	13106	13138	13084	13038	13089	13116
42.5	12404	12370	12427	12519	12559	12453	12425	12453	12519	12557
45.0	11748	11705	11814	11984	11862	11781	11747	11829	11918	12001
47.5	11057	11020	11126	11197	11146	11061	11061	11160	11301	11448
50.0	10250	10323	10384	10401	10398	10347	10391	10505	10609	10671
52.5	9468	9572	9586	9590	9647	9657	9689	9684	9773	9846
55.0	8720	8776	8779	8810	8915	8931	8834	8850	8939	9019
57.5	7963	7927	7899	8070	8154	8070	7994	8036	8099	8199
60.0	7130	7034	7051	7280	7220	7185	7176	7206	7296	7371
62.5	6092	6148	6211	6261	6294	6302	6342	6387	6490	6542
65.0	5124	5212	5289	5294	5386	5401	5504	5560	5615	5638
67.5	4211	4273	4348	4390	4465	4518	4641	4676	4724	4743
70.0	3306	3373	3436	3488	3578	3672	3776	3815	3843	3863
72.5	2476	2536	2565	2662	2805	2867	2933	2962	2973	2986
75.0	1734	1749	1833	1981	2071	2093	2112	2118	2111	2111
77.5	1093	1149	1273	1350	1372	1341	1311	1281	1259	1223
80.0	639.5	728.0	770.5	758.1	699.2	650.2	601.4	527.3	432.7	328.1
82.5	357.6	361.2	313.4	271.7	196.7	87.28	0	0	0	0
85.0	122.2	72.43	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	17144	17144	17144	17144	17144	17144	17144	17144	17144	17144
2.5	17083	17072	17062	17053	17044	17042	17040	17040	17039	17039
5.0	16973	16977	16975	16959	16945	16938	16938	16933	16928	16928
7.5	16843	16856	16866	16862	16845	16840	16834	16824	16840	16859
10.0	16744	16739	16747	16762	16745	16741	16729	16733	16749	16766
12.5	16661	16646	16631	16656	16645	16641	16629	16633	16654	16661
15.0	16572	16559	16536	16541	16545	16541	16524	16538	16557	16547
17.5	16390	16353	16326	16299	16314	16310	16295	16335	16360	16369
20.0	16100	16113	16091	16055	16084	16074	16067	16097	16105	16114
22.5	15837	15854	15855	15812	15853	15837	15834	15846	15838	15870
25.0	15587	15578	15615	15576	15622	15599	15595	15593	15570	15597
27.5	15316	15309	15370	15345	15392	15362	15350	15341	15310	15307
30.0	15033	15066	15124	15113	15161	15126	15101	15069	15062	15033
32.5	14679	14678	14643	14636	14667	14644	14648	14638	14703	14720
35.0	14174	14169	14131	14148	14173	14151	14161	14146	14200	14210
37.5	13655	13661	13631	13657	13679	13657	13674	13656	13699	13699
40.0	13136	13156	13142	13162	13185	13167	13188	13172	13163	13166
42.5	12622	12654	12654	12667	12692	12680	12702	12678	12643	12621
45.0	12116	12148	12164	12171	12198	12194	12213	12176	12136	12060
47.5	11515	11478	11444	11424	11442	11458	11490	11513	11537	11495
50.0	10710	10691	10675	10664	10687	10710	10721	10738	10746	10747
52.5	9893	9905	9906	9906	9931	9962	9953	9960	9952	9932
55.0	9074	9120	9136	9146	9175	9209	9187	9177	9154	9112
57.5	8251	8334	8365	8387	8420	8454	8423	8394	8352	8297
60.0	7435	7543	7596	7627	7664	7698	7659	7612	7554	7478
62.5	6588	6669	6700	6710	6737	6770	6756	6741	6717	6649
65.0	5682	5752	5781	5788	5811	5836	5828	5823	5808	5752
67.5	4785	4837	4862	4865	4884	4903	4899	4906	4902	4860
70.0	3889	3924	3942	3942	3957	3971	3971	3988	3999	3976

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-06

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411

Humidity:65%

Test Distance:6.878m [K=1.0000]

Remarks:

## Photometric Data Table [cd]

72.5	2995	3011	3022	3019	3030	3039	3042	3069	3097	3097
75.0	2101	2099	2101	2096	2103	2108	2115	2153	2196	2220
77.5	1171	1123	1085	1057	1052	1063	1092	1154	1233	1305
80.0	223.7	132.2	60.96	15.53	0	15.62	61.37	135.9	235.9	350.3
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0
0.0	17144	17144	17144	17144	17144	17144	17144	17144	17144	17144
2.5	17037	17036	17036	17036	17038	17044	17057	17069	17082	17093
5.0	16948	16970	16987	17000	17014	17026	17034	17044	17055	17067
7.5	16875	16885	16890	16894	16898	16905	16917	16932	16952	16982
10.0	16772	16769	16770	16777	16806	16835	16855	16874	16892	16915
12.5	16655	16653	16670	16696	16701	16696	16678	16684	16706	16735
15.0	16536	16555	16562	16527	16502	16503	16514	16530	16554	16599
17.5	16421	16429	16365	16342	16330	16339	16361	16341	16337	16348
20.0	16163	16144	16156	16174	16169	16123	16089	16081	16108	16135
22.5	15854	15851	15883	15914	15923	15857	15858	15837	15818	15832
25.0	15574	15567	15583	15562	15591	15633	15591	15575	15586	15599
27.5	15270	15279	15240	15236	15246	15289	15369	15323	15242	15214
30.0	14989	14953	14901	14882	14883	14951	14965	14934	14871	14888
32.5	14693	14604	14554	14511	14518	14490	14486	14586	14534	14490
35.0	14258	14279	14195	14119	14080	14012	14067	14119	14079	14026
37.5	13693	13721	13743	13736	13610	13598	13583	13579	13630	13534
40.0	13142	13137	13148	13226	13183	13117	13057	13046	13099	13063
42.5	12574	12507	12526	12538	12683	12602	12525	12472	12536	12534
45.0	11985	11892	11857	11897	11965	12105	11942	11851	11858	11949
47.5	11400	11264	11170	11208	11262	11364	11278	11146	11161	11237
50.0	10699	10614	10526	10492	10538	10539	10530	10446	10417	10404
52.5	9855	9815	9859	9803	9807	9762	9717	9774	9650	9647
55.0	9039	8970	9013	9081	9054	8998	8975	8997	8938	8864
57.5	8213	8180	8171	8236	8343	8256	8129	8154	8196	8083
60.0	7404	7370	7361	7357	7431	7516	7260	7279	7373	7200
62.5	6596	6562	6530	6489	6499	6506	6420	6386	6348	6293
65.0	5727	5738	5695	5608	5599	5525	5525	5486	5369	5435
67.5	4840	4841	4825	4718	4688	4630	4589	4551	4472	4454
70.0	3962	3972	3946	3862	3813	3744	3691	3606	3591	3536
72.5	3099	3110	3094	3042	3013	2908	2806	2762	2714	2657
75.0	2236	2254	2260	2250	2255	2179	2039	1955	1929	1864
77.5	1364	1400	1440	1478	1522	1506	1433	1315	1237	1211
80.0	468.8	579.0	673.8	747.5	810.1	872.7	884.0	841.8	740.5	698.7
82.5	0	0	0	100.6	230.4	324.6	377.5	425.7	421.0	353.4
85.0	0	0	0	0	0	0	0	88.20	147.9	167.1
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	350.0	355.0								
0.0	17144	17144								
2.5	17104	17115								
5.0	17080	17095								
7.5	17013	17042								
10.0	16942	16972								
12.5	16771	16812								
15.0	16650	16705								
17.5	16385	16440								
20.0	16172	16225								
22.5	15867	15927								
25.0	15610	15648								
27.5	15232	15297								
30.0	14924	14995								
32.5	14464	14506								
35.0	14013	14049								
37.5	13511	13550								
40.0	13032	13050								
42.5	12445	12447								
45.0	11870	11883								
47.5	11126	11106								
50.0	10373	10335								
52.5	9616	9568								
55.0	8914	8849								
57.5	8141	8045								
60.0	7222	7165								
62.5	6267	6197								

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-06

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411

Humidity:65%

Test Distance:6.878m [K=1.0000]

Remarks:



## Photometric Data Table [cd]

65.0	5289	5275
67.5	4382	4326
70.0	3495	3482
72.5	2650	2603
75.0	1828	1786
77.5	1161	1121
80.0	637.6	626.2
82.5	305.9	280.9
85.0	133.4	106.4
87.5	45.17	32.46
90.0	0	0

**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Jessy**  
**Test Date:2024-11-06**

**V(B) Range:-75 - 75DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411**  
**Humidity:65%**  
**Test Distance:6.878m [K=1.0000]**  
**Remarks:**