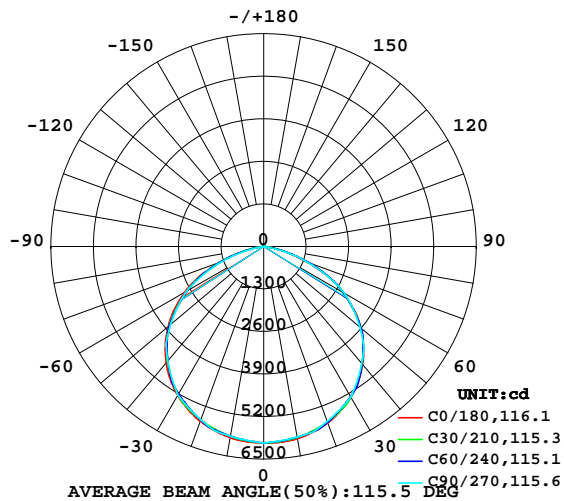


## LUMINAIRE PHOTOMETRIC TEST REPORT

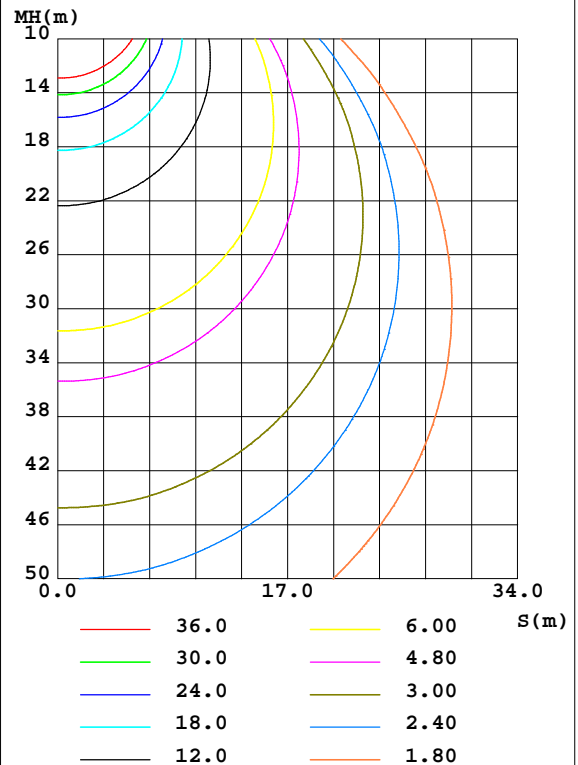
Test:U:120.07V I:0.8408A P:100.74W PF:0.9980 Freq:59.98Hz Lamp Flux:17075.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W/5000K/110°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 169.50 lm/W			
MODEL	GHSL-16-U	Imax(cd)	6009	S/MH(C0/180)	1.30
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	17076	$\eta$ UP,DN(C0-180)	0.0,50.5
NOMINAL FLUX(lm)	17075.7	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,49.5
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:2024-11-15

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65%  
Test Distance:6.938m [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	5964	5922	5912	5903	5933	5885	5887	5904	0- 10	567.8	567.8	3.33,3.33
20	5736	5738	5686	5703	5684	5667	5633	5701	10- 20	1644	2212	13,13
30	5322	5293	5325	5251	5254	5193	5244	5238	20- 30	2531	4743	27.8,27.8
40	4710	4729	4667	4685	4639	4604	4563	4654	30- 40	3113	7855	46,46
50	3876	3859	3843	3838	3813	3740	3717	3775	40- 50	3279	11135	65.2,65.2
60	2800	2787	2852	2796	2777	2683	2707	2704	50- 60	2950	14084	82.5,82.5
70	1414	1548	1450	1586	1468	1477	1357	1473	60- 70	2104	16188	94.8,94.8
80	246.6	252.5	0	303.6	269.8	241.0	0	223.7	70- 80	849.0	17037	99.8,99.8
90	4.790	0	0	0	4.923	0	0	0	80- 90	38.57	17076	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:cd									UNIT:lm		

Conical surface Flux(90deg): 9502.5 lm

%lum = 55.6%

%lamp = 55.6%

Conical surface Flux(120deg): 14084 lm

%lum = 82.5%

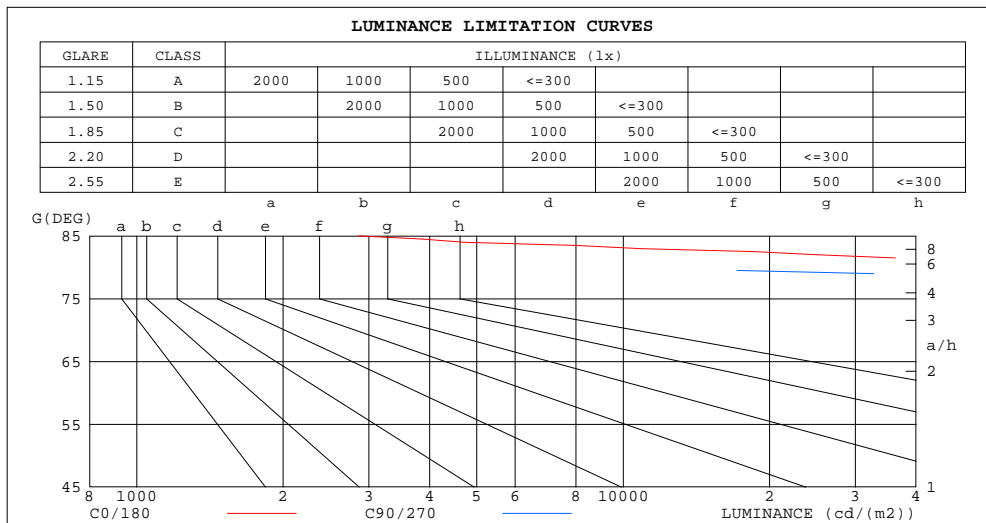
%lamp = 82.5%

**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Jessy**  
**Test Date:2024-11-15**

**V(B) Range:-75 - 75DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411**  
**Humidity:65%**  
**Test Distance:6.938m [K=1.0000]**  
**Remarks:**

## LUMINANCE LIMITATION CURVES

Test:U:120.07V I:0.8408A P:100.74W PF:0.9980 Freq:59.98Hz Lamp Flux:17075.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W/5000K/110°	DIM.: 280*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	2850	0
80	59182	0
75	122403	120593
70	172214	176646
65	214289	212062
60	233354	237653
55	245358	243167
50	251260	249109
45	254597	255651

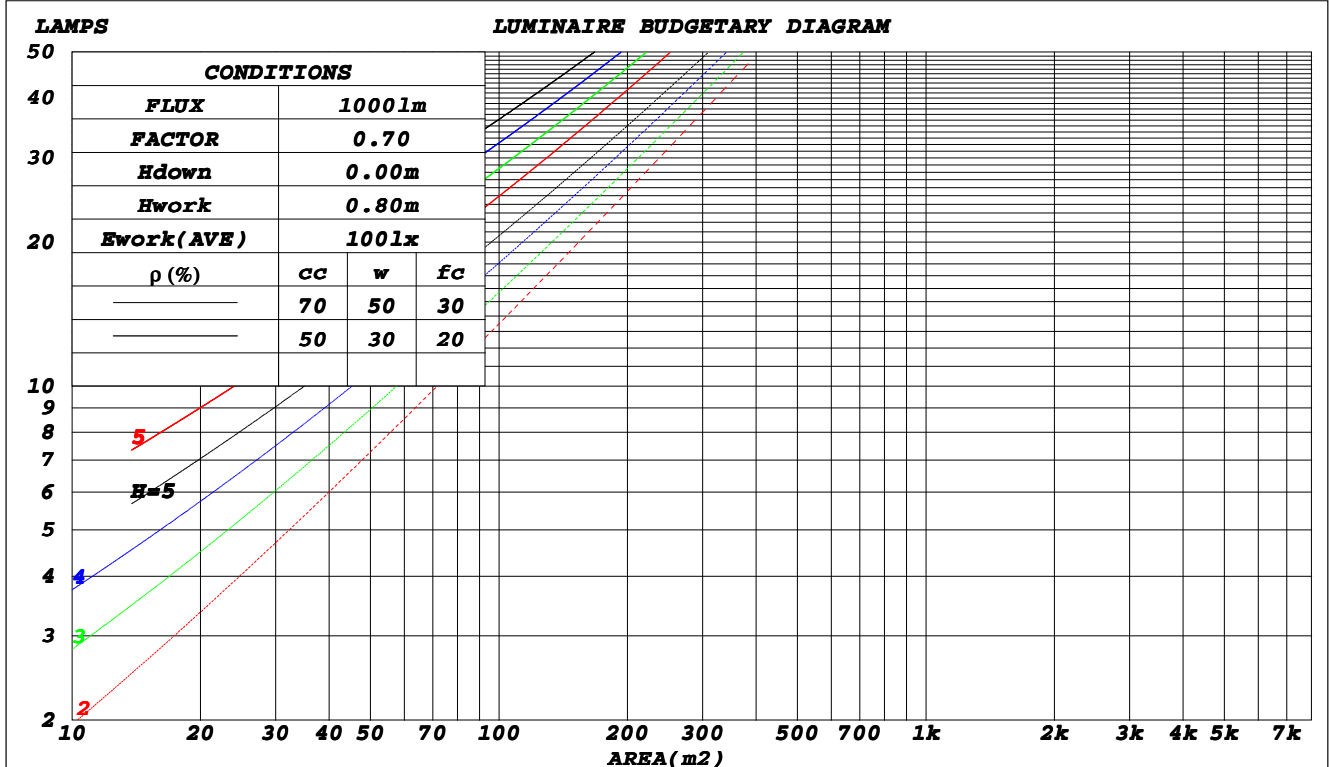
**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Jessy**  
**Test Date:2024-11-15**

**V(B) Range:-75 - 75DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411**  
**Humidity:65%**  
**Test Distance:6.938m [K=1.0000]**  
**Remarks:**

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.07V I:0.8408A P:100.74W PF:0.9980 Freq:59.98Hz Lamp Flux:17075.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W/5000K/110°	DIM.: 280*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	.00
1.0	1.05	1.01	.98	1.03	.99	.96	.99	.96	.93	.95	.92	.90	.91	.89	.88	.86
2.0	.92	.86	.80	.90	.84	.79	.87	.82	.77	.83	.79	.76	.80	.77	.74	.72
3.0	.81	.73	.67	.79	.72	.66	.76	.70	.65	.74	.68	.64	.71	.67	.63	.61
4.0	.72	.63	.57	.70	.62	.56	.68	.61	.55	.66	.59	.55	.63	.58	.54	.52
5.0	.64	.55	.49	.63	.55	.48	.61	.53	.48	.59	.52	.47	.57	.51	.47	.45
6.0	.58	.49	.42	.57	.48	.42	.55	.47	.42	.53	.46	.41	.52	.46	.41	.39
7.0	.52	.43	.37	.51	.43	.37	.50	.42	.37	.48	.42	.37	.47	.41	.36	.34
8.0	.47	.39	.33	.47	.39	.33	.45	.38	.33	.44	.38	.33	.43	.37	.32	.31
9.0	.44	.35	.30	.43	.35	.30	.42	.35	.30	.41	.34	.29	.40	.34	.29	.27
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jessy  
Test Date:2024-11-15

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65%  
Test Distance:6.938m [K=1.0000]  
Remarks:

## WEC AND CCEC

Test:U:120.07V I:0.8408A P:100.74W PF:0.9980 Freq:59.98Hz Lamp Flux:17075.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W/5000K/110°	DIM.: 280*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	.284	.161	.051	.277	.158	.050	.264	.151	.048	.251	.145	.047	.240	.139	.045		
2.0	.276	.151	.046	.270	.149	.046	.258	.144	.045	.248	.139	.043	.238	.135	.042		
3.0	.260	.138	.041	.254	.136	.041	.244	.132	.040	.235	.129	.039	.226	.125	.039		
4.0	.242	.126	.037	.237	.124	.037	.228	.121	.036	.220	.118	.036	.212	.115	.035		
5.0	.226	.115	.033	.221	.114	.033	.213	.111	.033	.206	.109	.032	.199	.106	.032		
6.0	.210	.105	.030	.206	.104	.030	.199	.102	.030	.192	.100	.029	.186	.098	.029		
7.0	.196	.097	.028	.193	.096	.027	.186	.094	.027	.180	.093	.027	.175	.091	.027		
8.0	.184	.090	.025	.181	.089	.025	.175	.087	.025	.170	.086	.025	.164	.084	.025		
9.0	.173	.083	.023	.170	.083	.023	.165	.081	.023	.160	.080	.023	.155	.079	.023		
10.0	.162	.078	.022	.160	.077	.022	.155	.076	.021	.151	.075	.021	.147	.074	.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	.179	.156	.136	.153	.134	.117	.104	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.170	.132	.100	.146	.114	.086	.100	.079	.060	.058	.046	.035	.018	.015	.012	
3.0	.163	.114	.076	.139	.099	.066	.096	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.155	.101	.059	.133	.087	.052	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.148	.090	.048	.127	.078	.042	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.141	.082	.040	.121	.071	.035	.084	.050	.024	.049	.029	.015	.016	.010	.005	
7.0	.134	.075	.034	.116	.065	.029	.080	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.128	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.064	.025	.105	.056	.022	.073	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.117	.060	.023	.101	.052	.020	.070	.037	.014	.041	.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:2024-11-15**

**V(B) Range:-75 - 75DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411**  
**Humidity:65%**  
**Test Distance:6.938m [K=1.0000]**  
**Remarks:**

UGR(Unified Glare Rating) Table

Test:U:120.07V I:0.8408A P:100.74W PF:0.9980 Freq:59.98Hz Lamp Flux:17075.7x1 lm										
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:100W/5000K/110°					DIM.: 280*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	22.3	23.8	22.6	24.0	24.2	22.3	23.8	22.6	24.0	24.2
3H	23.5	24.9	23.8	25.1	25.3	23.5	24.9	23.8	25.1	25.4
4H	23.7	25.0	24.0	25.3	25.5	23.8	25.1	24.1	25.3	25.6
6H	23.8	25.0	24.1	25.3	25.5	23.8	25.0	24.1	25.3	25.5
8H	23.7	24.9	24.1	25.2	25.5	23.7	24.9	24.0	25.2	25.5
12H	23.7	24.8	24.0	25.1	25.4	23.7	24.8	24.0	25.1	25.4
4H 2H	22.9	24.2	23.2	24.4	24.7	22.9	24.2	23.2	24.5	24.7
3H	24.2	25.3	24.5	25.6	25.9	24.2	25.4	24.6	25.7	26.0
4H	24.5	25.5	24.9	25.9	26.2	24.6	25.6	24.9	25.9	26.3
6H	24.6	25.5	25.0	25.9	26.2	24.6	25.5	25.0	25.8	26.2
8H	24.6	25.4	25.0	25.8	26.2	24.5	25.4	24.9	25.7	26.1
12H	24.5	25.3	25.0	25.7	26.1	24.5	25.3	24.9	25.6	26.0
8H 4H	24.6	25.5	25.0	25.8	26.2	24.7	25.5	25.1	25.9	26.3
6H	24.8	25.5	25.2	25.9	26.3	24.7	25.4	25.1	25.8	26.2
8H	24.8	25.4	25.2	25.8	26.3	24.7	25.3	25.1	25.7	26.2
12H	24.7	25.3	25.2	25.7	26.2	24.6	25.2	25.1	25.6	26.1
12H 4H	24.6	25.4	25.0	25.8	26.2	24.7	25.4	25.1	25.8	26.2
6H	24.7	25.4	25.2	25.8	26.2	24.7	25.3	25.1	25.7	26.2
8H	24.7	25.3	25.2	25.7	26.2	24.6	25.2	25.1	25.6	26.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.3				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.5				
2.0H	+ 0.4 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117, 17076 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 9.9$ )  
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:2024-11-15

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65%  
Test Distance:6.938m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.07V I:0.8408A P:100.74W PF:0.9980 Freq:59.98Hz Lamp Flux:17075.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W/5000K/110°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

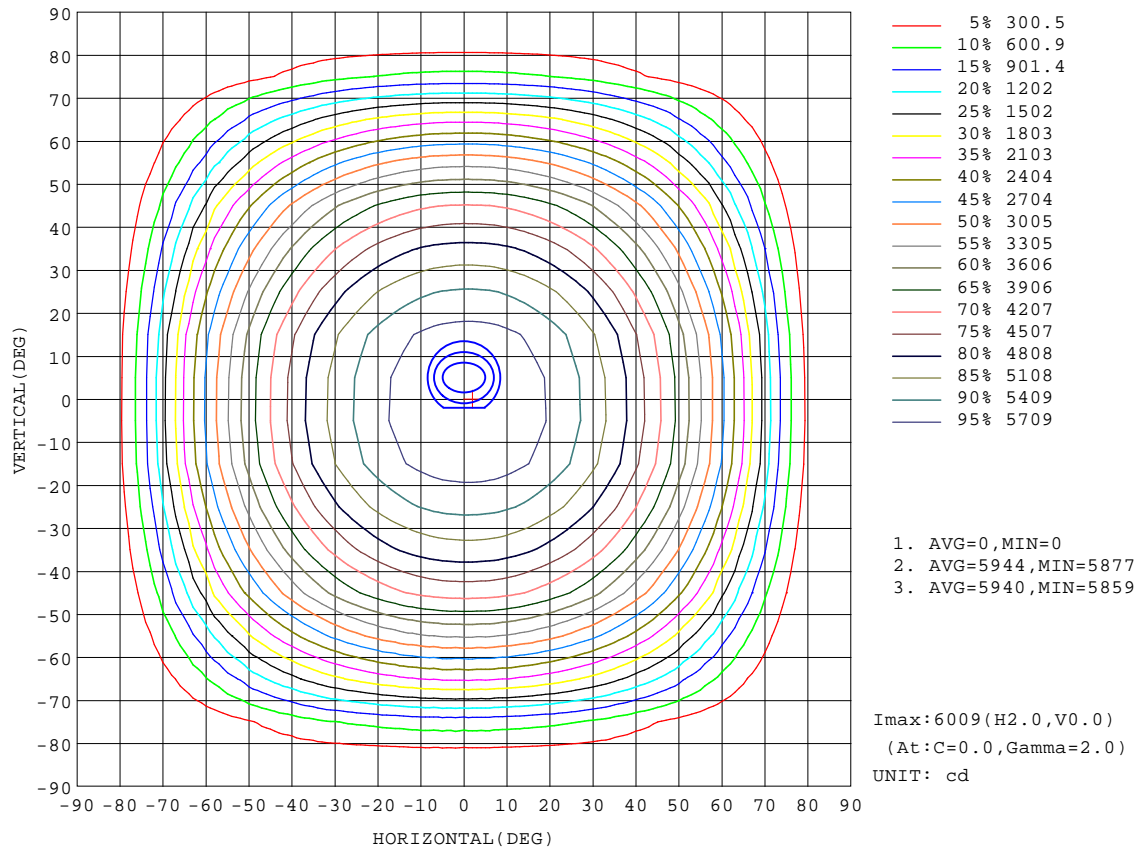
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	40	57	46	39	56	46	39	33
0.80	68	57	50	67	57	50	66	56	49	42
1.00	77	66	59	76	66	59	74	67	58	51
1.25	84	74	67	83	74	67	80	72	66	59
1.50	89	80	73	88	79	73	85	77	72	64
2.00	96	88	82	95	87	81	91	85	80	72
2.50	100	93	87	98	91	86	94	89	84	76
3.00	103	97	92	101	96	91	97	93	89	80
4.00	107	102	98	105	100	96	101	97	94	85
5.00	110	105	101	107	103	100	103	100	97	88
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:2024-11-15**

**$V(B)$  Range:-75 - 75DEG**  
 **$V(B)$  Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411**  
**Humidity:65%**  
**Test Distance:6.938m [K=1.0000]**  
**Remarks:**

## ISOCANDELA DIAGRAM

Test:U:120.07V I:0.8408A P:100.74W PF:0.9980 Freq:59.98Hz Lamp Flux:17075.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W/5000K/110°	DIM.: 280*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:2024-11-15**

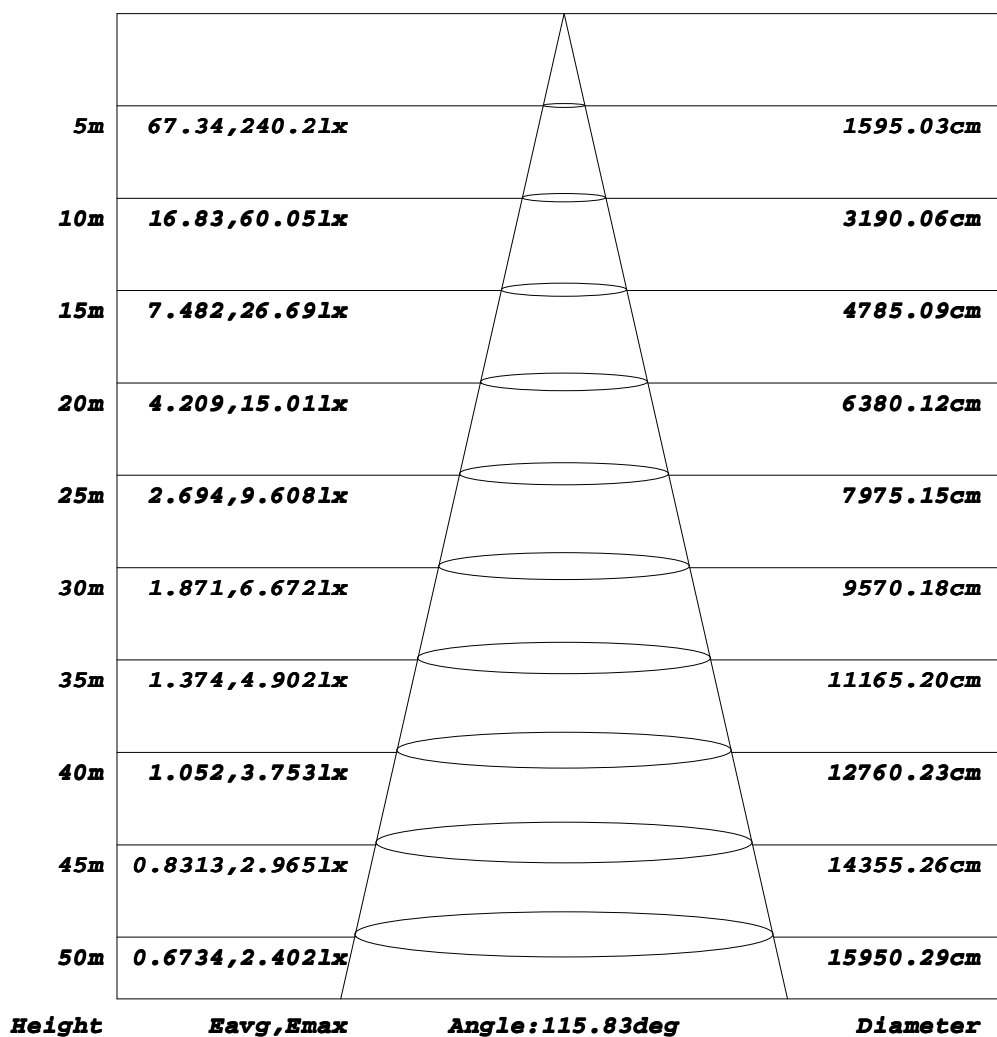
**V(B) Range:-75 - 75DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411**  
**Humidity:65%**  
**Test Distance:6.938m [K=1.0000]**  
**Remarks:**



## AAI Figure

Test:U:120.07V I:0.8408A P:100.74W PF:0.9980 Freq:59.98Hz Lamp Flux:17075.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W/5000K/110°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:13545 lm



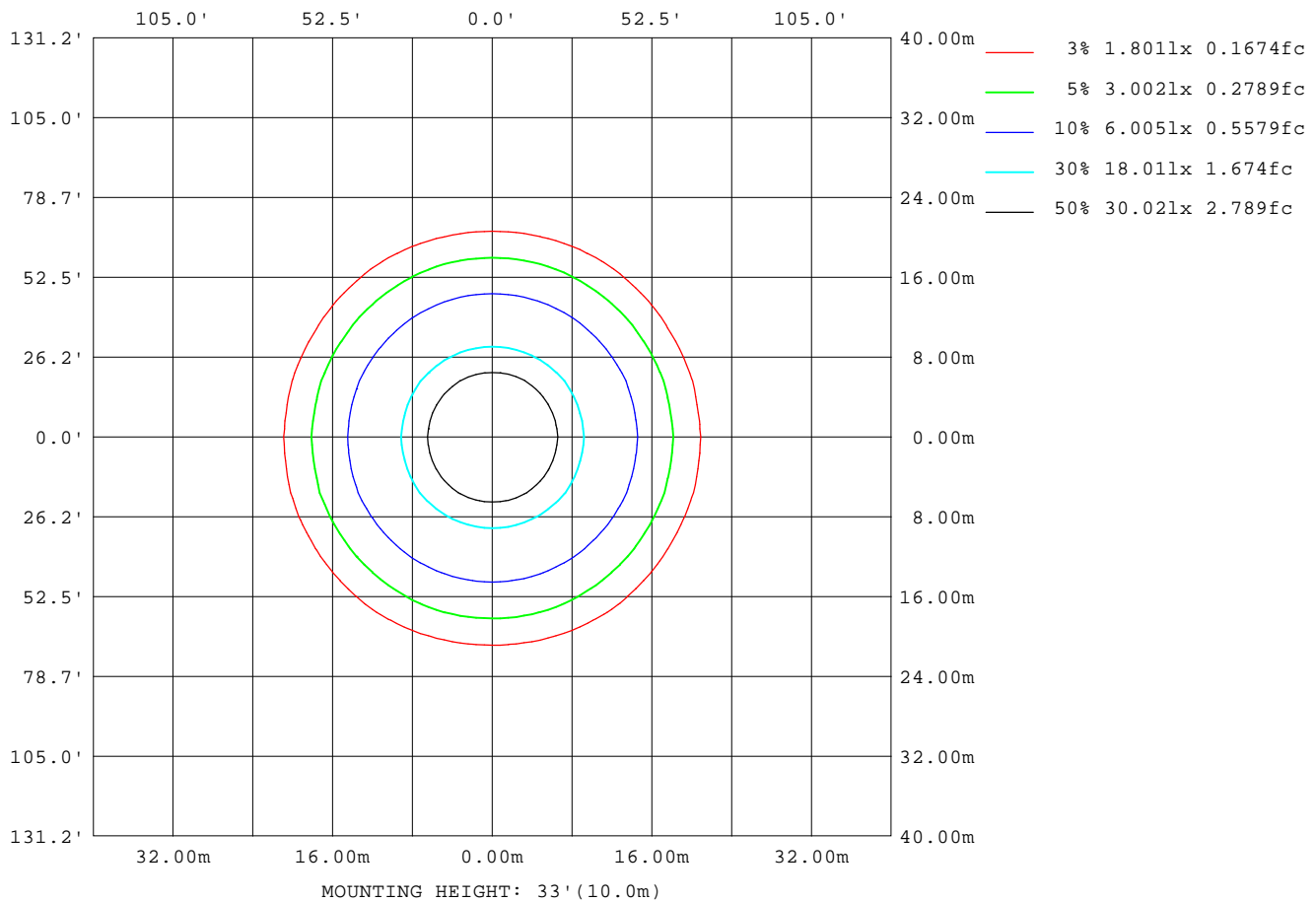
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H( $\beta$ ) Range: -90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jessie  
Test Date: 2024-11-15

V(B) Range: -75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity: 65%  
Test Distance: 6.938m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

Test:U:120.07V I:0.8408A P:100.74W PF:0.9980 Freq:59.98Hz Lamp Flux:17075.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W/5000K/110°	DIM.: 280*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:2024-11-15**

**V(B) Range:-75 - 75DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411**  
**Humidity:65%**  
**Test Distance:6.938m [K=1.0000]**  
**Remarks:**

## LED Avg.L Report

Test:U:120.07V I:0.8408A P:100.74W PF:0.9980 Freq:59.98Hz Lamp Flux:17075.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W/5000K/110°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

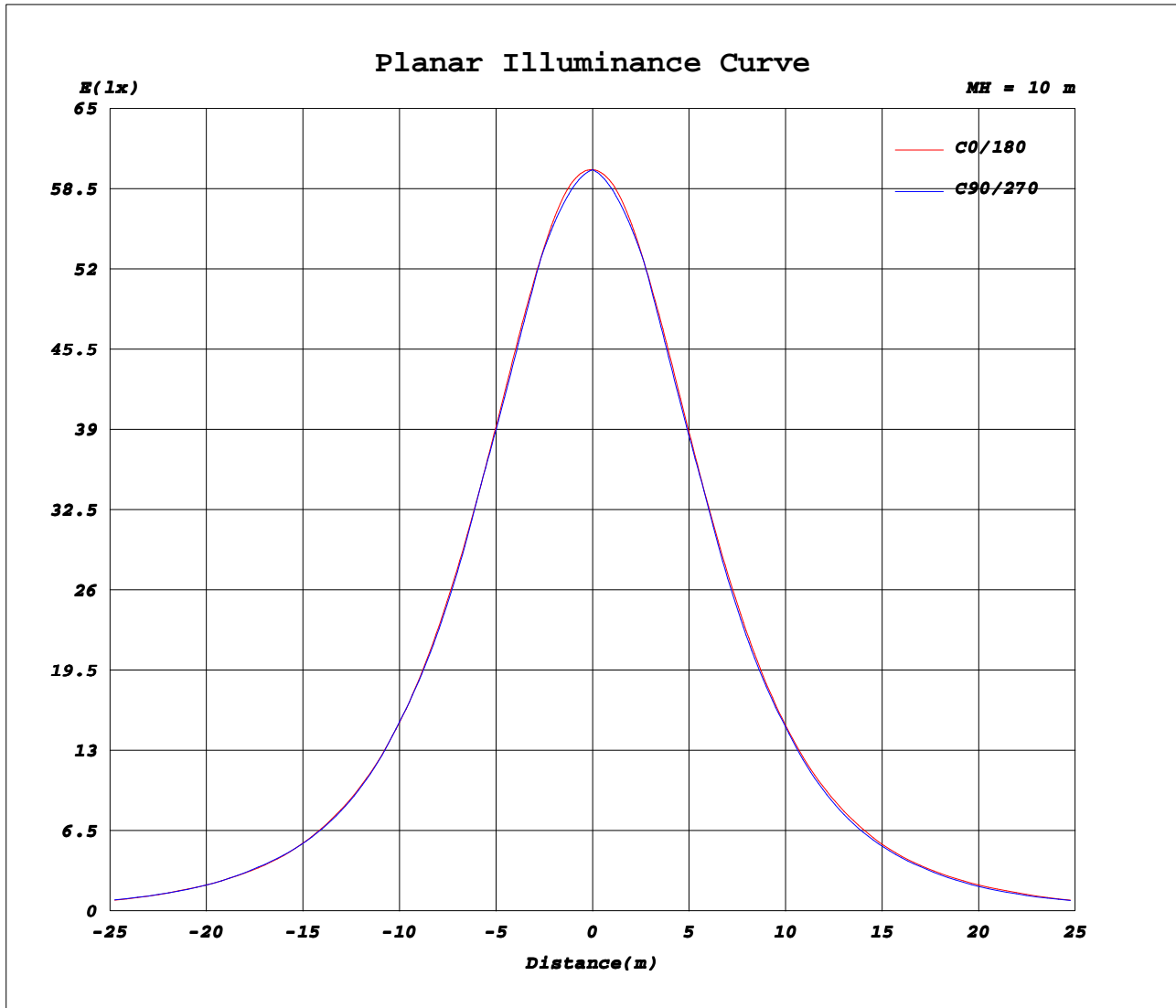
AvgL	cd/m2
L_0~180(65)av	214232
L_0~180(75)av	124468
L_0~180(85)av	3138
L_90~270(65)av	206204
L_90~270(75)av	115181
L_90~270(85)av	0
L_45(65)av	211409
L_45(75)av	139777
L_45(85)av	0

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:2024-11-15**

**V(B) Range:-75 - 75DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411**  
**Humidity:65%**  
**Test Distance:6.938m [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:2024-11-15

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65%  
Test Distance:6.938m [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	6005	6005	6005	6005	6005	6005	6005	6005	6005	6005
2.5	6009	6006	6004	6003	6001	5999	5997	5996	5994	5992
5.0	6005	6000	5996	5992	5988	5985	5982	5979	5976	5973
7.5	5993	5987	5980	5975	5970	5965	5960	5956	5953	5950
10.0	5964	5955	5947	5941	5936	5932	5929	5927	5924	5922
12.5	5920	5909	5900	5893	5888	5885	5883	5883	5884	5886
15.0	5870	5857	5847	5839	5834	5831	5830	5832	5835	5840
17.5	5809	5794	5783	5775	5771	5771	5773	5777	5783	5791
20.0	5736	5719	5707	5700	5697	5700	5706	5715	5726	5738
22.5	5651	5632	5620	5614	5615	5620	5630	5644	5661	5647
25.0	5552	5531	5520	5517	5521	5532	5547	5567	5547	5534
27.5	5443	5420	5409	5407	5415	5432	5456	5443	5426	5416
30.0	5322	5298	5287	5288	5300	5324	5326	5308	5298	5293
32.5	5190	5164	5153	5158	5176	5204	5179	5165	5161	5165
35.0	5046	5018	5009	5017	5041	5044	5024	5016	5019	5030
37.5	4885	4856	4849	4864	4897	4873	4860	4860	4871	4891
40.0	4710	4679	4676	4697	4715	4692	4688	4698	4719	4729
42.5	4521	4490	4488	4515	4514	4498	4506	4529	4547	4519
45.0	4321	4289	4292	4328	4301	4294	4312	4351	4323	4306
47.5	4105	4073	4082	4114	4082	4085	4112	4108	4090	4085
50.0	3876	3842	3855	3869	3852	3866	3889	3858	3852	3859
52.5	3641	3606	3626	3615	3611	3640	3625	3605	3608	3628
55.0	3378	3343	3375	3351	3359	3383	3349	3351	3366	3389
57.5	3085	3060	3102	3068	3091	3086	3068	3091	3115	3088
60.0	2800	2776	2797	2783	2808	2781	2783	2818	2802	2787
62.5	2497	2476	2490	2484	2488	2476	2497	2493	2493	2489
65.0	2174	2154	2150	2185	2155	2167	2180	2168	2177	2188
67.5	1771	1760	1775	1809	1790	1857	1836	1849	1864	1886
70.0	1414	1437	1415	1426	1456	1484	1494	1515	1553	1548
72.5	1076	1090	1095	1088	1099	1117	1143	1172	1218	1211
75.0	760.3	750.4	758.7	767.3	786.6	800.9	827.9	871.0	893.1	880.1
77.5	475.2	467.5	471.7	488.4	505.5	538.4	571.5	584.6	577.0	549.1
80.0	246.6	247.9	251.8	266.3	290.3	321.6	328.1	306.2	268.3	252.5
82.5	57.82	70.01	102.2	117.6	140.7	132.4	101.7	97.08	74.16	33.91
85.0	5.962	12.24	22.40	40.42	22.06	19.33	0	0	0	0
87.5	4.347	7.541	7.395	0	0	0	0	0	0	0
90.0	4.790	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	6005	6005	6005	6005	6005	6005	6005	6005	6005	6005
2.5	5990	5988	5987	5985	5984	5983	5983	5982	5982	5981
5.0	5971	5969	5967	5966	5964	5962	5960	5959	5958	5957
7.5	5948	5946	5944	5942	5941	5940	5938	5936	5935	5934
10.0	5920	5919	5918	5917	5917	5916	5915	5913	5912	5910
12.5	5888	5888	5889	5889	5890	5891	5892	5890	5889	5886
15.0	5846	5852	5857	5859	5863	5865	5867	5866	5866	5862
17.5	5799	5810	5813	5804	5794	5787	5783	5778	5776	5773
20.0	5736	5724	5716	5710	5703	5696	5692	5688	5686	5682
22.5	5633	5623	5616	5613	5610	5605	5601	5598	5595	5592
25.0	5526	5520	5515	5515	5516	5513	5509	5508	5505	5502
27.5	5412	5412	5412	5414	5419	5421	5418	5417	5415	5411
30.0	5293	5299	5307	5313	5321	5328	5327	5326	5325	5320
32.5	5172	5183	5198	5210	5195	5186	5173	5164	5161	5159
35.0	5046	5065	5050	5036	5023	5016	5007	5000	4996	4994
37.5	4903	4881	4866	4858	4851	4847	4841	4835	4832	4830
40.0	4704	4689	4680	4677	4677	4676	4675	4669	4667	4665
42.5	4502	4494	4493	4495	4503	4506	4508	4504	4503	4501
45.0	4297	4298	4303	4312	4327	4335	4340	4339	4339	4337
47.5	4090	4099	4111	4129	4125	4115	4103	4092	4091	4093
50.0	3880	3898	3891	3874	3865	3860	3851	3842	3843	3845
52.5	3665	3638	3621	3610	3606	3604	3597	3591	3595	3598
55.0	3373	3356	3348	3345	3346	3346	3344	3342	3347	3350
57.5	3079	3077	3074	3079	3083	3087	3091	3093	3100	3102
60.0	2788	2794	2795	2812	2820	2828	2838	2844	2852	2854
62.5	2496	2510	2517	2540	2524	2510	2504	2502	2501	2509
65.0	2203	2219	2199	2192	2175	2163	2156	2155	2151	2161
67.5	1881	1873	1854	1845	1828	1815	1808	1808	1800	1813
70.0	1538	1531	1510	1499	1481	1468	1460	1461	1450	1466
72.5	1200	1192	1171	1154	1136	1122	1111	1113	1100	1119
75.0	862.9	853.0	831.4	811.5	791.6	775.1	762.4	765.3	749.1	771.7
77.5	527.6	514.9	495.0	468.6	439.6	413.7	393.1	385.9	374.5	389.5
80.0	238.0	210.2	170.2	125.9	84.11	48.77	22.09	5.673	0	5.728
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( $\beta$ ) Range:-90 - 90DEGH( $\beta$ ) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-15

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.938m [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	6005	6005	6005	6005	6005	6005	6005	6005	6005	6005
2.5	5981	5981	5981	5981	5982	5982	5983	5984	5985	5986
5.0	5957	5957	5956	5957	5957	5959	5960	5961	5963	5965
7.5	5933	5932	5932	5932	5932	5933	5934	5936	5937	5939
10.0	5908	5907	5906	5905	5905	5904	5903	5903	5901	5901
12.5	5883	5881	5879	5876	5873	5869	5864	5859	5856	5854
15.0	5858	5854	5850	5844	5836	5827	5819	5812	5805	5800
17.5	5774	5776	5781	5785	5788	5783	5771	5759	5749	5740
20.0	5683	5685	5687	5690	5690	5696	5705	5703	5686	5672
22.5	5592	5592	5591	5589	5590	5593	5598	5607	5619	5600
25.0	5501	5499	5494	5490	5487	5486	5488	5494	5506	5522
27.5	5409	5405	5397	5389	5381	5376	5374	5376	5382	5393
30.0	5317	5310	5299	5287	5274	5264	5256	5251	5250	5257
32.5	5163	5167	5173	5182	5165	5150	5133	5120	5113	5114
35.0	4997	4999	5002	5007	5019	5030	5005	4985	4970	4964
37.5	4831	4831	4830	4832	4838	4846	4863	4846	4823	4810
40.0	4665	4662	4658	4655	4654	4656	4667	4685	4672	4649
42.5	4498	4493	4484	4477	4468	4465	4469	4480	4504	4478
45.0	4332	4324	4311	4296	4282	4272	4270	4272	4283	4299
47.5	4095	4103	4113	4114	4094	4078	4067	4056	4054	4067
50.0	3844	3848	3856	3864	3878	3885	3860	3838	3825	3827
52.5	3595	3592	3595	3602	3611	3633	3650	3616	3593	3582
55.0	3346	3339	3335	3338	3340	3355	3366	3387	3359	3333
57.5	3096	3089	3076	3073	3068	3074	3079	3093	3114	3079
60.0	2846	2841	2819	2811	2798	2795	2790	2796	2808	2827
62.5	2513	2526	2531	2548	2530	2521	2504	2499	2502	2509
65.0	2166	2177	2187	2202	2219	2239	2219	2202	2197	2193
67.5	1819	1828	1843	1857	1875	1898	1906	1912	1898	1889
70.0	1473	1479	1499	1512	1534	1561	1573	1586	1587	1565
72.5	1126	1131	1156	1170	1196	1228	1244	1257	1263	1222
75.0	779.9	784.0	811.3	830.5	859.9	897.0	916.6	932.0	942.3	917.8
77.5	402.8	418.7	452.0	485.2	524.4	569.1	592.0	609.0	630.4	632.2
80.0	22.64	49.35	86.35	130.7	180.9	234.0	278.0	303.6	323.2	355.6
82.5	0	0	0	0	0	0	0	40.68	90.95	125.0
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	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	6005	6005	6005	6005	6005	6005	6005	6005	6005	6005
2.5	5987	5989	5991	5992	5994	5996	5998	5996	5993	5991
5.0	5968	5971	5974	5978	5982	5986	5990	5985	5980	5975
7.5	5942	5945	5949	5953	5958	5963	5970	5962	5954	5948
10.0	5902	5904	5907	5912	5918	5925	5933	5923	5913	5905
12.5	5853	5853	5856	5860	5866	5875	5885	5872	5861	5852
15.0	5797	5795	5796	5799	5805	5814	5827	5811	5799	5789
17.5	5732	5728	5727	5729	5735	5745	5759	5741	5727	5717
20.0	5661	5654	5650	5651	5657	5668	5684	5663	5648	5637
22.5	5585	5572	5565	5561	5565	5576	5593	5571	5555	5546
25.0	5498	5479	5466	5459	5461	5471	5490	5465	5450	5443
27.5	5402	5376	5358	5347	5347	5357	5378	5351	5335	5329
30.0	5272	5265	5240	5226	5222	5232	5254	5225	5209	5206
32.5	5123	5145	5115	5094	5088	5096	5120	5088	5073	5072
35.0	4969	4985	4981	4954	4942	4949	4975	4941	4927	4930
37.5	4806	4816	4835	4800	4783	4787	4814	4779	4766	4775
40.0	4633	4634	4654	4632	4609	4611	4639	4602	4591	4605
42.5	4451	4442	4455	4457	4427	4424	4451	4414	4406	4427
45.0	4262	4243	4250	4276	4235	4227	4255	4218	4215	4243
47.5	4067	4038	4034	4059	4026	4013	4040	4002	4004	4028
50.0	3849	3821	3806	3822	3808	3788	3813	3774	3780	3784
52.5	3589	3602	3571	3578	3582	3556	3584	3542	3554	3534
55.0	3326	3353	3326	3316	3336	3299	3323	3284	3309	3273
57.5	3060	3066	3066	3045	3076	3028	3049	3012	3041	2998
60.0	2787	2780	2799	2777	2785	2759	2777	2741	2750	2723
62.5	2518	2490	2502	2484	2482	2469	2483	2449	2453	2436
65.0	2214	2201	2183	2192	2170	2165	2172	2147	2129	2143
67.5	1873	1905	1825	1863	1800	1773	1777	1755	1768	1800
70.0	1545	1548	1518	1462	1456	1463	1468	1445	1408	1412
72.5	1208	1184	1178	1154	1125	1124	1104	1107	1094	1092
75.0	882.7	853.0	845.0	829.0	796.8	791.0	786.0	774.6	768.7	777.3
77.5	617.6	589.4	564.9	553.1	523.3	510.0	507.0	493.0	496.0	509.0

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

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-15

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.938m [K=1.0000]

Remarks:

Photometric Data Table [cd]

80.0	371.1	369.7	336.5	319.9	303.1	284.6	269.8	273.2	281.1	280.8
82.5	138.8	163.8	170.4	147.1	132.8	101.4	81.66	76.41	110.6	122.1
85.0	0	28.18	33.76	50.18	32.01	15.68	7.167	11.61	20.10	39.67
87.5	0	0	0	0	7.060	6.682	4.600	5.288	4.548	0
90.0	0	0	0	0	0	0	4.923	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	6005	6005	6005	6005	6005	6005	6005	6005	6005	6005
2.5	5989	5986	5984	5982	5981	5979	5978	5977	5976	5976
5.0	5970	5966	5962	5958	5955	5953	5950	5949	5947	5946
7.5	5942	5937	5932	5929	5925	5922	5920	5918	5916	5915
10.0	5899	5894	5890	5887	5885	5885	5884	5883	5883	5882
12.5	5845	5840	5837	5836	5836	5837	5840	5843	5846	5848
15.0	5783	5779	5778	5778	5781	5785	5790	5796	5804	5810
17.5	5711	5709	5710	5714	5720	5728	5737	5747	5750	5744
20.0	5632	5631	5635	5643	5654	5667	5666	5654	5645	5640
22.5	5544	5548	5555	5566	5582	5566	5553	5544	5538	5535
25.0	5444	5452	5466	5485	5462	5446	5436	5431	5429	5429
27.5	5333	5347	5368	5352	5335	5322	5316	5314	5316	5321
30.0	5214	5233	5233	5211	5198	5193	5192	5195	5202	5211
32.5	5086	5111	5080	5063	5055	5056	5064	5074	5086	5100
35.0	4949	4945	4920	4907	4908	4915	4930	4950	4933	4920
37.5	4801	4773	4753	4747	4753	4770	4780	4762	4747	4738
40.0	4618	4587	4578	4582	4596	4604	4579	4566	4560	4555
42.5	4415	4391	4391	4409	4423	4393	4377	4369	4370	4372
45.0	4206	4188	4196	4226	4200	4180	4173	4171	4178	4187
47.5	3988	3980	3996	3987	3969	3962	3966	3971	3985	4000
50.0	3755	3759	3776	3740	3733	3740	3756	3771	3764	3746
52.5	3517	3532	3513	3493	3495	3513	3541	3516	3493	3480
55.0	3269	3282	3243	3245	3251	3277	3254	3238	3220	3215
57.5	3007	2993	2973	2986	3005	2981	2968	2956	2948	2951
60.0	2731	2703	2697	2724	2703	2683	2678	2675	2676	2686
62.5	2427	2411	2420	2410	2400	2386	2388	2396	2404	2417
65.0	2114	2112	2117	2093	2091	2090	2099	2111	2093	2080
67.5	1757	1810	1785	1784	1790	1797	1788	1781	1760	1745
70.0	1441	1463	1454	1462	1486	1477	1461	1453	1430	1412
72.5	1104	1102	1117	1129	1168	1156	1138	1126	1101	1080
75.0	787.2	787.3	807.3	839.3	856.4	839.0	815.9	800.0	774.7	750.0
77.5	511.7	534.6	558.3	565.8	554.7	523.5	495.9	475.9	455.4	428.0
80.0	296.4	322.0	322.8	298.5	260.3	241.0	223.2	194.4	156.7	115.0
82.5	141.8	130.8	101.9	95.79	72.14	32.39	0	0	0	0
85.0	20.23	18.98	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	6005	6005	6005	6005	6005	6005	6005	6005	6005	6005
2.5	5975	5975	5975	5975	5975	5976	5976	5977	5979	5980
5.0	5945	5945	5945	5945	5945	5947	5948	5950	5952	5954
7.5	5914	5914	5915	5915	5916	5917	5919	5922	5923	5925
10.0	5882	5883	5884	5886	5887	5888	5890	5891	5892	5894
12.5	5850	5851	5853	5856	5857	5859	5860	5860	5861	5861
15.0	5815	5819	5822	5826	5827	5829	5829	5829	5827	5826
17.5	5739	5733	5730	5729	5730	5734	5737	5744	5754	5763
20.0	5638	5634	5631	5632	5633	5636	5640	5646	5654	5663
22.5	5535	5534	5533	5534	5536	5539	5542	5548	5554	5559
25.0	5431	5433	5434	5436	5439	5442	5444	5450	5453	5454
27.5	5327	5332	5335	5338	5342	5344	5346	5350	5349	5348
30.0	5221	5230	5235	5240	5244	5246	5248	5249	5244	5240
32.5	5089	5081	5075	5072	5074	5078	5088	5101	5113	5131
35.0	4913	4907	4903	4901	4904	4907	4917	4926	4937	4952
37.5	4735	4734	4732	4730	4733	4736	4745	4751	4759	4769
40.0	4556	4559	4560	4559	4563	4565	4573	4577	4580	4585
42.5	4377	4385	4389	4388	4392	4394	4400	4403	4400	4399
45.0	4198	4210	4217	4217	4222	4223	4226	4227	4220	4213
47.5	3994	3985	3976	3968	3970	3974	3986	4001	4013	4025
50.0	3734	3727	3722	3715	3717	3721	3731	3741	3749	3767
52.5	3472	3469	3467	3463	3465	3468	3476	3481	3486	3499
55.0	3211	3211	3213	3210	3212	3215	3220	3221	3223	3231
57.5	2950	2953	2958	2957	2960	2962	2964	2961	2959	2964
60.0	2689	2696	2703	2704	2707	2708	2708	2701	2695	2696
62.5	2398	2387	2378	2371	2370	2374	2381	2390	2401	2425
65.0	2062	2051	2041	2034	2032	2036	2043	2052	2064	2084
67.5	1727	1715	1704	1698	1695	1698	1705	1714	1728	1745
70.0	1394	1380	1368	1361	1357	1361	1367	1377	1393	1408

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-15

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.938m [K=1.0000]

Remarks:

## Photometric Data Table [cd]

72.5	1062	1045	1032	1025	1019	1023	1029	1040	1058	1074
75.0	729.7	709.8	696.3	688.0	681.8	685.5	692.0	703.5	723.1	741.0
77.5	402.0	376.7	358.3	346.6	340.9	345.3	355.8	372.8	396.7	420.2
80.0	76.90	44.40	20.14	5.093	0	5.074	20.00	43.93	75.80	112.9
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	6005	6005	6005	6005	6005	6005	6005	6005	6005	6005
2.5	5982	5983	5985	5988	5990	5992	5994	5996	5998	6001
5.0	5956	5958	5961	5964	5968	5972	5975	5980	5984	5989
7.5	5927	5930	5933	5937	5941	5946	5951	5957	5963	5970
10.0	5896	5898	5901	5904	5908	5912	5916	5921	5927	5934
12.5	5862	5862	5864	5863	5863	5864	5867	5871	5877	5885
15.0	5824	5820	5816	5813	5811	5810	5811	5814	5820	5829
17.5	5774	5772	5765	5759	5753	5751	5749	5751	5755	5763
20.0	5670	5682	5696	5701	5692	5684	5679	5678	5680	5686
22.5	5565	5574	5588	5604	5622	5610	5600	5595	5595	5599
25.0	5458	5465	5475	5487	5505	5530	5515	5504	5499	5500
27.5	5348	5352	5356	5365	5380	5402	5420	5402	5391	5388
30.0	5238	5235	5234	5238	5247	5263	5287	5289	5274	5268
32.5	5124	5114	5107	5104	5107	5116	5136	5168	5147	5135
35.0	4971	4990	4976	4965	4960	4963	4977	5004	5009	4992
37.5	4783	4802	4828	4821	4807	4803	4811	4831	4861	4837
40.0	4593	4606	4626	4654	4650	4639	4634	4645	4676	4667
42.5	4402	4408	4421	4442	4476	4464	4448	4449	4472	4484
45.0	4209	4209	4213	4225	4250	4281	4252	4243	4259	4295
47.5	4014	4006	4004	4003	4013	4039	4050	4032	4039	4080
50.0	3791	3802	3789	3775	3774	3789	3826	3811	3807	3835
52.5	3517	3542	3570	3542	3532	3534	3560	3583	3566	3581
55.0	3241	3261	3276	3302	3288	3281	3285	3327	3314	3315
57.5	2963	2975	2985	3003	3035	3019	3007	3034	3042	3033
60.0	2686	2689	2692	2704	2725	2750	2725	2729	2761	2749
62.5	2409	2404	2398	2401	2416	2427	2439	2425	2445	2449
65.0	2094	2114	2107	2097	2101	2103	2126	2122	2103	2148
67.5	1759	1778	1792	1799	1791	1764	1783	1815	1755	1745
70.0	1425	1442	1457	1473	1479	1432	1430	1418	1430	1399
72.5	1093	1108	1125	1145	1157	1117	1089	1077	1063	1046
75.0	762.1	776.5	796.1	821.9	843.8	826.0	792.2	769.7	762.4	752.9
77.5	441.4	448.1	472.6	503.6	534.2	547.8	541.7	504.4	483.0	473.6
80.0	151.9	184.0	209.4	223.7	236.6	279.0	302.9	298.2	271.1	253.8
82.5	0	0	0	30.01	64.81	85.08	91.65	121.2	128.3	107.4
85.0	0	0	0	0	0	0	0	16.47	16.52	34.77
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	6005	6005								
2.5	6003	6006								
5.0	5994	5999								
7.5	5977	5985								
10.0	5943	5953								
12.5	5895	5906								
15.0	5840	5854								
17.5	5775	5790								
20.0	5698	5715								
22.5	5610	5627								
25.0	5508	5526								
27.5	5396	5414								
30.0	5273	5291								
32.5	5138	5156								
35.0	4992	5010								
37.5	4831	4846								
40.0	4655	4669								
42.5	4467	4479								
45.0	4272	4279								
47.5	4060	4062								
50.0	3832	3830								
52.5	3601	3594								
55.0	3350	3332								
57.5	3079	3049								
60.0	2773	2762								
62.5	2465	2463								

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-15

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.938m [K=1.0000]

Remarks:



## Photometric Data Table [cd]

65.0	2116	2132
67.5	1745	1750
70.0	1389	1418
72.5	1072	1080
75.0	738.5	740.1
77.5	459.7	459.1
80.0	245.5	238.8
82.5	94.57	59.78
85.0	15.83	9.249
87.5	4.361	4.976
90.0	0	0

**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Jessy**  
**Test Date:2024-11-15**

**V(B) Range:-75 - 75DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411**  
**Humidity:65%**  
**Test Distance:6.938m [K=1.0000]**  
**Remarks:**