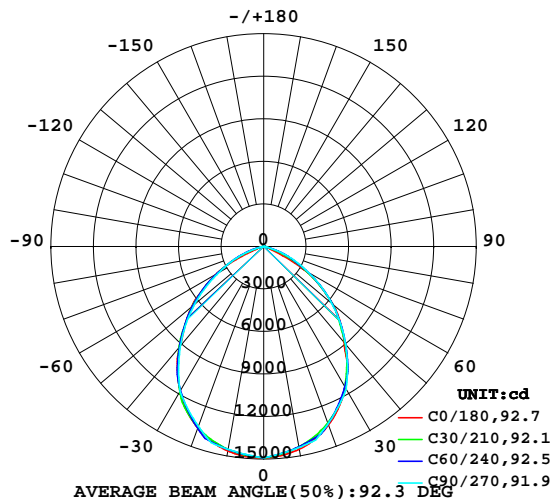


LUMINAIRE PHOTOMETRIC TEST REPORT

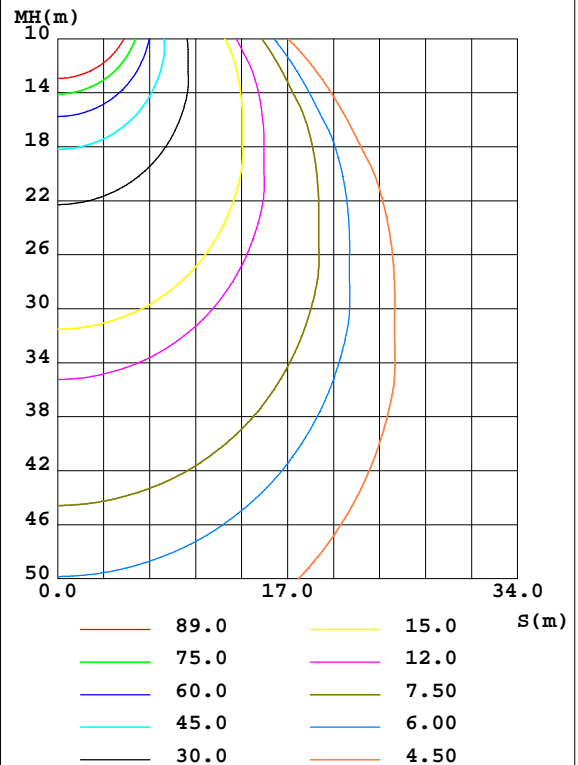
Test:U:120.10V I:1.6219A P:194.38W PF:0.9979 Freq:59.98Hz Lamp Flux:30949.5x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 159.22 lm/W			
MODEL	GHSL-32-U	Imax(cd)	14907	S/MH(C0/180)	1.18
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.18
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	30949	η UP,DN(C0-180)	0.0,49.8
NOMINAL FLUX(lm)	30949.5	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.2
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-14

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1451	1432	1439	1441	1464	1452	1452	1441	0- 10	1397	1397	4.51,4.51
20	1339	1341	1330	1357	1362	1378	1349	1354	10- 20	3962	5359	17.3,17.3
30	1150	1137	1164	1162	1180	1172	1182	1148	20- 30	5786	11145	36,36
40	882.7	913.4	898.4	937.8	918.0	941.7	912.7	925.2	30- 40	6502	17648	57,57
50	639.8	622.5	629.8	654.7	666.9	652.2	638.1	633.2	40- 50	5988	23636	76.4,76.4
60	330.3	346.5	358.3	377.8	381.4	372.3	357.8	353.4	50- 60	4490	28126	90.9,90.9
70	39.51	109.4	137.4	142.3	49.99	133.8	136.3	113.2	60- 70	2283	30409	98.3,98.3
80	9.671	11.20	0	14.00	13.38	12.28	0	10.41	70- 80	517.8	30927	99.9,99.9
90	0.5290	0	0	0	0.4727	0	0	0	80- 90	22.35	30949	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: $\times 10\text{cd}$									UNIT: lm		

Conical surface Flux(90deg): 20767 lm

%lum = 67.1%

%lamp = 67.1%

Conical surface Flux(120deg): 28126 lm

%lum = 90.9%

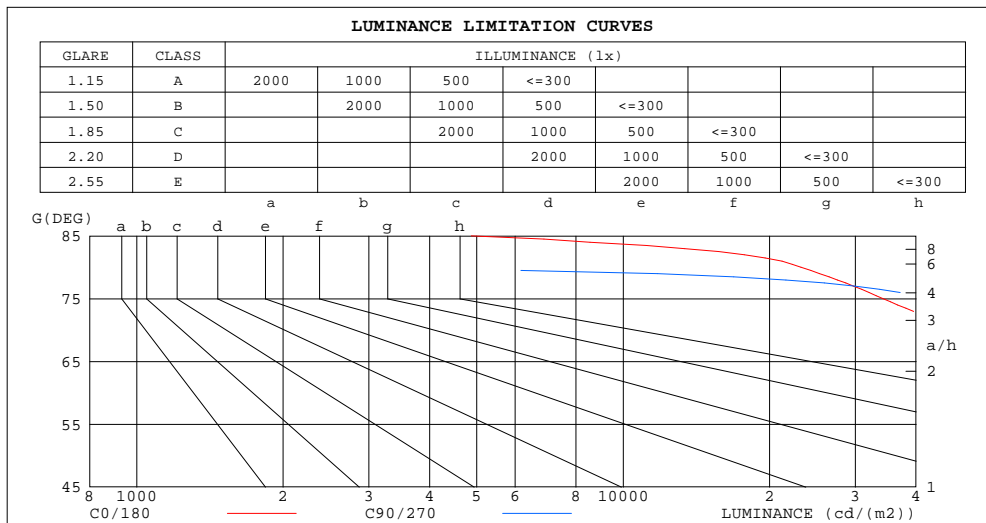
%lamp = 90.9%

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jessy
 Test Date:2024-11-14

$V(B)$ 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:120.10V I:1.6219A P:194.38W PF:0.9979 Freq:59.98Hz Lamp Flux:30949.5x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	4871	0
80	23205	0
75	34193	43368
70	48136	167383
65	104041	244363
60	275229	298593
55	353145	358906
50	414723	408260
45	452639	451117

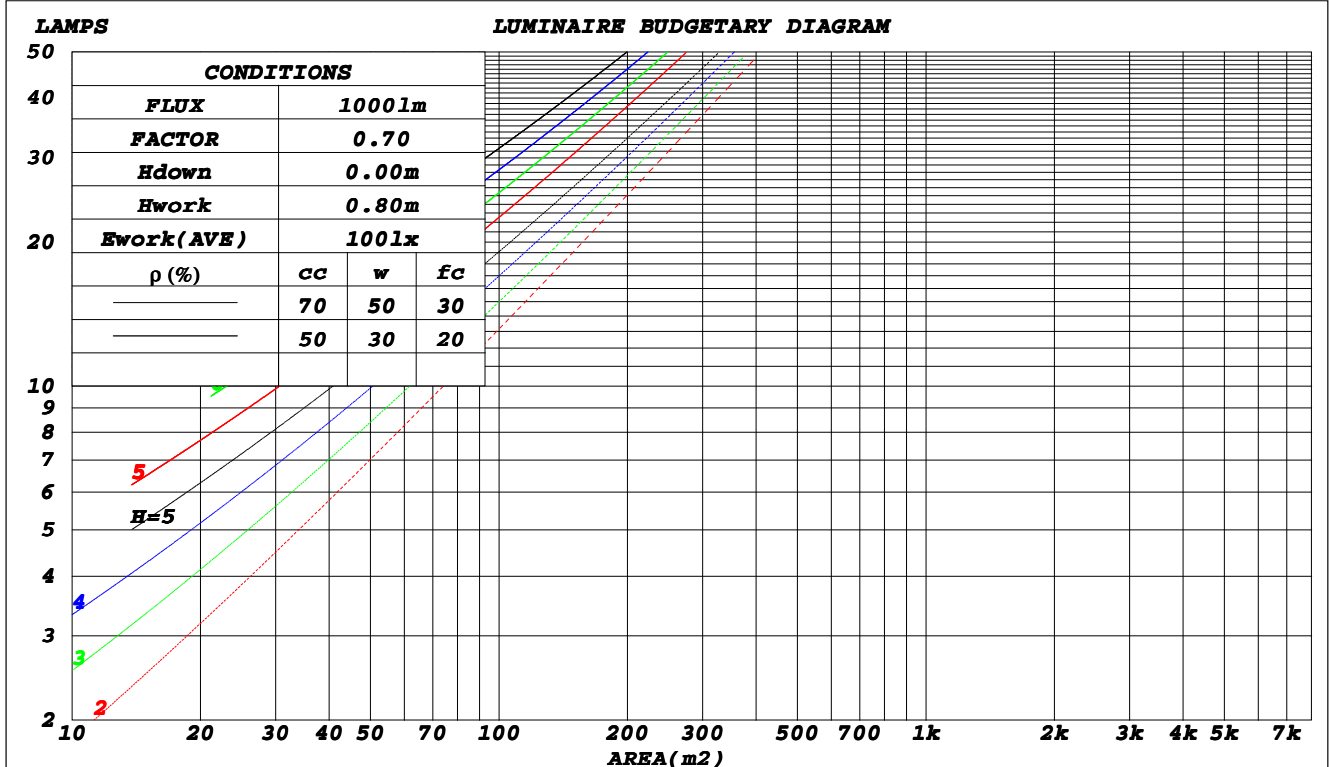
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-14

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:120.10V I:1.6219A P:194.38W PF:0.9979 Freq:59.98Hz Lamp Flux:30949.5x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	1.07	1.04	1.01	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.96	.90	.85	.94	.89	.84	.90	.86	.82	.87	.84	.80	.84	.81	.79	.77
3.0	.86	.79	.73	.84	.78	.72	.81	.76	.71	.79	.74	.70	.76	.72	.69	.67
4.0	.77	.69	.63	.76	.68	.63	.73	.67	.62	.71	.66	.61	.69	.64	.60	.58
5.0	.69	.61	.55	.68	.61	.55	.66	.60	.55	.64	.59	.54	.63	.58	.53	.52
6.0	.63	.55	.49	.62	.54	.49	.60	.54	.48	.59	.53	.48	.57	.52	.48	.46
7.0	.57	.49	.44	.57	.49	.44	.55	.48	.43	.54	.48	.43	.53	.47	.43	.41
8.0	.53	.45	.39	.52	.45	.39	.51	.44	.39	.50	.43	.39	.48	.43	.39	.37
9.0	.49	.41	.36	.48	.41	.36	.47	.40	.36	.46	.40	.35	.45	.39	.35	.33
10.0	.45	.38	.33	.45	.37	.33	.44	.37	.32	.43	.37	.32	.42	.36	.32	.31



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-14

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:120.10V I:1.6219A P:194.38W PF:0.9979 Freq:59.98Hz Lamp Flux:30949.5x1 lm					
NAME: LED Explosion-proof Light			TYPE:Flood Light		WEIGHT:N/A
SPEC.:200W/90°			DIM.: 280*230mm		SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.			SUR.:N/A		Shielding Angle:N/A

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.246	.140	.044	.239	.136	.043	.226	.130	.041	.214	.124	.040	.203	.118	.038		
2.0	.242	.132	.041	.236	.130	.040	.224	.125	.039	.214	.120	.038	.204	.116	.036		
3.0	.230	.123	.037	.225	.121	.036	.215	.117	.035	.206	.113	.035	.198	.109	.034		
4.0	.218	.113	.033	.213	.111	.033	.204	.108	.032	.196	.105	.032	.189	.102	.031		
5.0	.205	.104	.030	.201	.103	.030	.193	.100	.030	.186	.098	.029	.179	.096	.029		
6.0	.193	.097	.028	.189	.095	.027	.182	.093	.027	.176	.091	.027	.170	.089	.027		
7.0	.181	.090	.025	.178	.089	.025	.172	.087	.025	.166	.085	.025	.161	.084	.025		
8.0	.171	.084	.024	.168	.083	.023	.163	.081	.023	.157	.080	.023	.153	.078	.023		
9.0	.162	.078	.022	.159	.077	.022	.154	.076	.022	.149	.075	.021	.145	.074	.021		
10.0	.153	.073	.020	.151	.073	.020	.146	.072	.020	.142	.070	.020	.138	.069	.020		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	.176	.157	.139	.150	.134	.120	.103	.093	.083	.059	.054	.048	.019	.017	.016	
2.0	.166	.132	.104	.142	.114	.090	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.157	.114	.080	.134	.098	.069	.092	.068	.049	.053	.040	.029	.017	.013	.009	
4.0	.149	.100	.063	.128	.087	.055	.088	.060	.039	.051	.035	.023	.016	.012	.007	
5.0	.142	.090	.051	.122	.077	.044	.084	.054	.031	.049	.032	.019	.016	.010	.006	
6.0	.135	.081	.042	.116	.070	.037	.080	.049	.026	.046	.029	.015	.015	.009	.005	
7.0	.129	.074	.036	.111	.064	.031	.077	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.123	.068	.031	.106	.059	.027	.073	.042	.019	.043	.024	.011	.014	.008	.004	
9.0	.117	.063	.027	.101	.055	.023	.070	.039	.017	.041	.023	.010	.013	.007	.003	
10.0	.112	.059	.024	.097	.051	.021	.067	.036	.015	.039	.021	.009	.013	.007	.003	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-14

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:120.10V I:1.6219A P:194.38W PF:0.9979 Freq:59.98Hz Lamp Flux:30949.5x1 lm												
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A				
SPEC.:200W/90°					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	2H	20.7	22.0	20.9	22.2	22.4	21.0	22.3	21.2	22.5	22.7	
	3H	20.7	21.9	21.0	22.2	22.4	21.5	22.8	21.8	23.0	23.2	
	4H	20.6	21.8	20.9	22.0	22.3	21.5	22.7	21.8	22.9	23.2	
	6H	20.5	21.6	20.9	21.9	22.2	21.4	22.5	21.7	22.8	23.0	
	8H	20.5	21.5	20.8	21.8	22.1	21.4	22.4	21.7	22.7	23.0	
	12H	20.4	21.4	20.8	21.7	22.0	21.3	22.3	21.6	22.6	22.9	
	4H	2H	20.9	22.1	21.2	22.3	22.6	21.2	22.3	21.5	22.6	22.8
		3H	21.0	22.0	21.4	22.3	22.6	21.8	22.9	22.2	23.1	23.4
		4H	21.0	21.9	21.3	22.2	22.5	21.9	22.8	22.2	23.1	23.4
		6H	20.9	21.7	21.3	22.0	22.4	21.8	22.6	22.2	22.9	23.3
		8H	20.8	21.6	21.3	22.0	22.3	21.7	22.5	22.1	22.8	23.2
		12H	20.8	21.5	21.2	21.9	22.3	21.7	22.4	22.1	22.7	23.1
8H	4H	20.9	21.7	21.3	22.0	22.4	21.8	22.5	22.2	22.9	23.3	
	6H	20.9	21.5	21.3	21.9	22.3	21.7	22.3	22.1	22.7	23.1	
	8H	20.8	21.4	21.3	21.8	22.2	21.7	22.2	22.1	22.6	23.1	
	12H	20.8	21.2	21.3	21.7	22.2	21.6	22.1	22.1	22.5	23.0	
12H	4H	20.9	21.6	21.3	21.9	22.3	21.7	22.4	22.2	22.8	23.2	
	6H	20.8	21.4	21.3	21.8	22.2	21.7	22.2	22.1	22.6	23.1	
	8H	20.8	21.2	21.3	21.7	22.2	21.6	22.1	22.1	22.5	23.0	
Variations with the observer position at spacings:												
S = 1.0H	+ 0.7 / - 0.9					+ 0.5 / - 0.7						
1.5H	+ 0.3 / - 0.7					+ 0.2 / - 0.4						
2.0H	+ 1.1 / - 1.5					+ 1.0 / - 1.5						

CIE Pub.117, 30949 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 11.9$)
Area: 0.024 m²

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-14

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:120.10V I:1.6219A P:194.38W PF:0.9979 Freq:59.98Hz Lamp Flux:30949.5x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

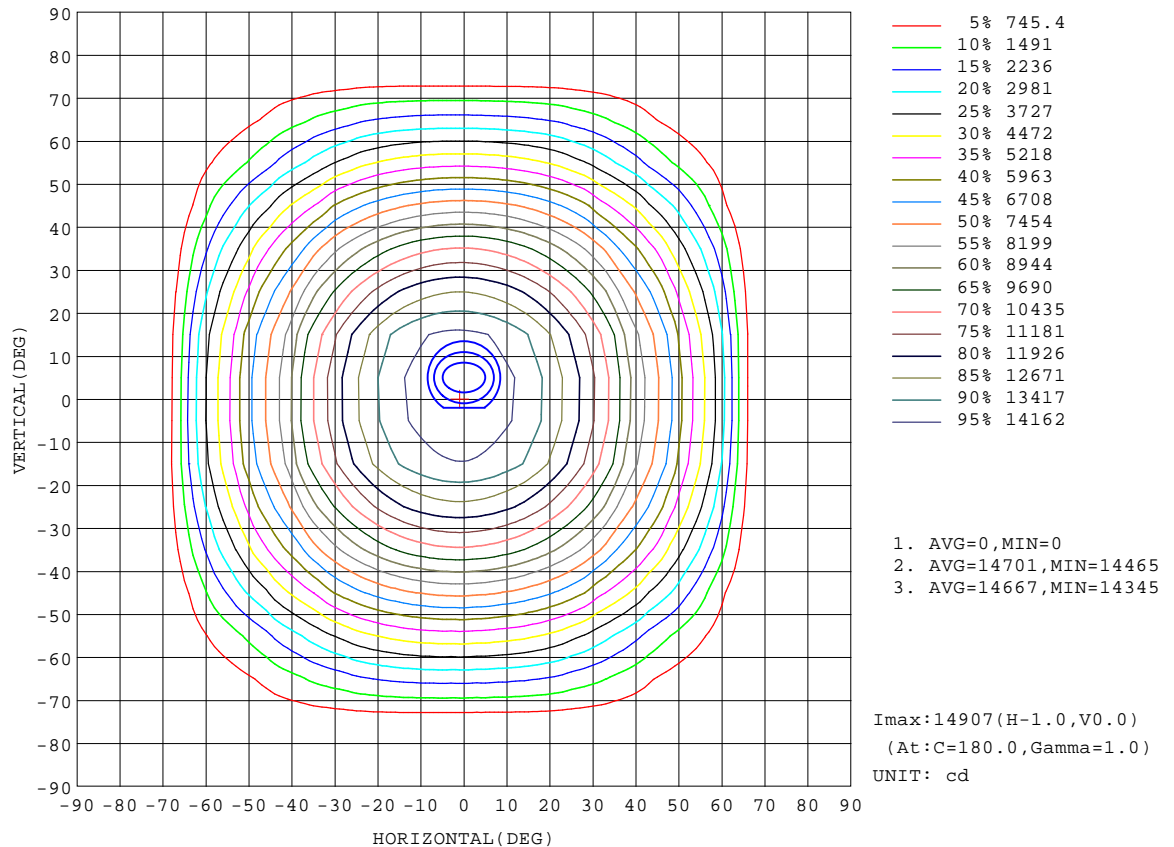
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	64	54	48	64	54	47	62	53	47	41
0.80	75	64	58	74	64	58	72	63	57	51
1.00	83	74	67	82	73	67	80	74	67	60
1.25	90	81	75	88	80	75	86	79	74	68
1.50	94	86	81	93	85	80	90	84	79	72
2.00	100	93	88	99	92	87	95	90	86	79
2.50	103	97	92	101	96	91	98	93	90	82
3.00	106	101	96	104	99	95	100	96	93	85
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	103	105	102	100	91
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-14

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:120.10V I:1.6219A P:194.38W PF:0.9979 Freq:59.98Hz Lamp Flux:30949.5x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



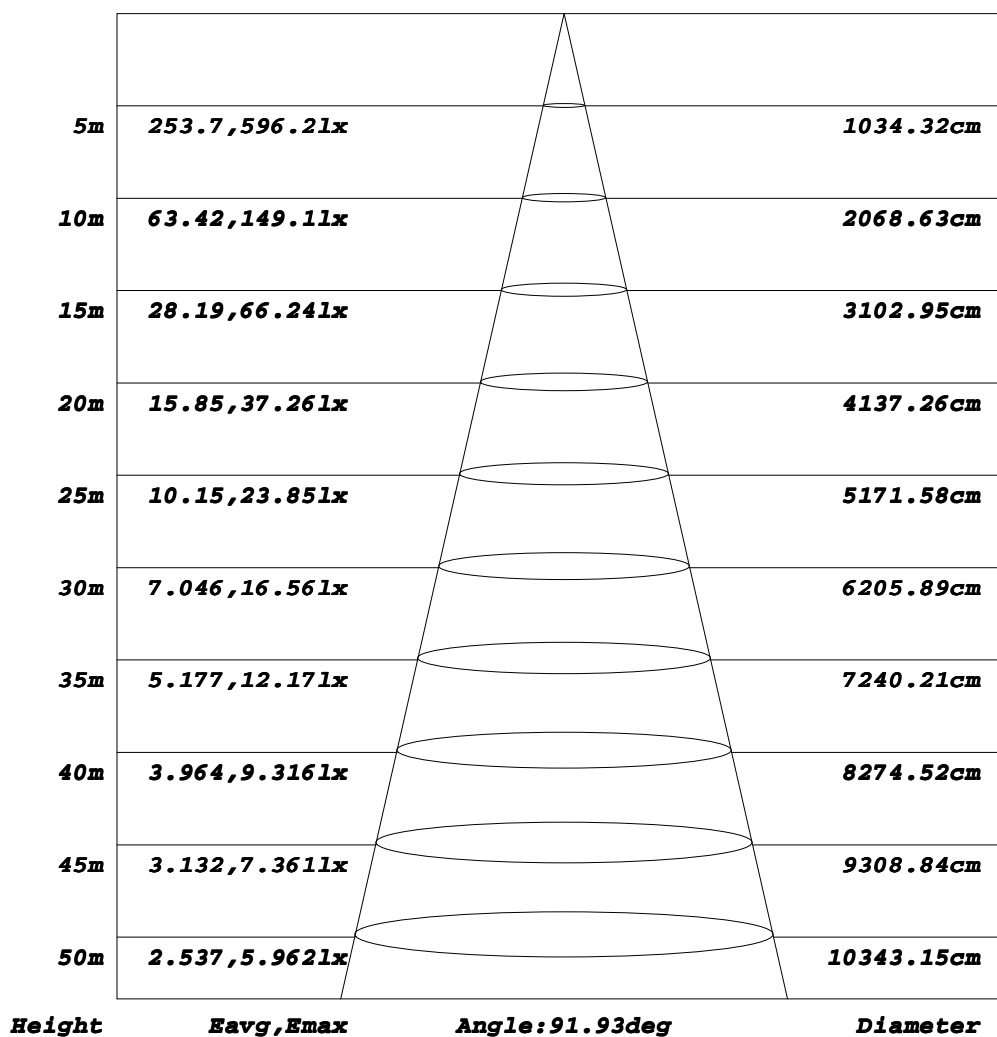
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-14

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:120.10V I:1.6219A P:194.38W PF:0.9979 Freq:59.98Hz Lamp Flux:30949.5x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:21364 lm



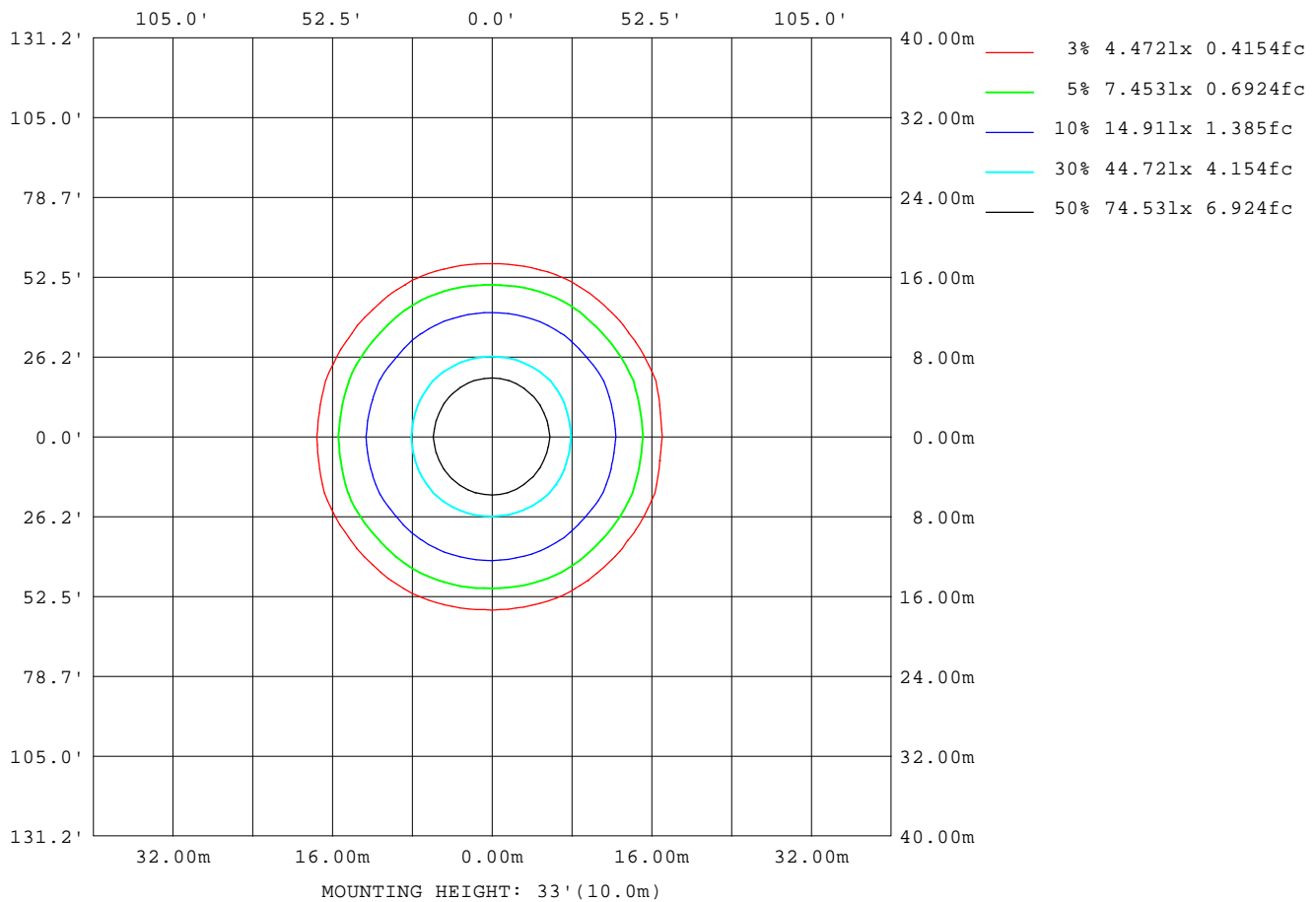
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessie
Test Date: 2024-11-14

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:120.10V I:1.6219A P:194.38W PF:0.9979 Freq:59.98Hz Lamp Flux:30949.5x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-14

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:120.10V I:1.6219A P:194.38W PF:0.9979 Freq:59.98Hz Lamp Flux:30949.5x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

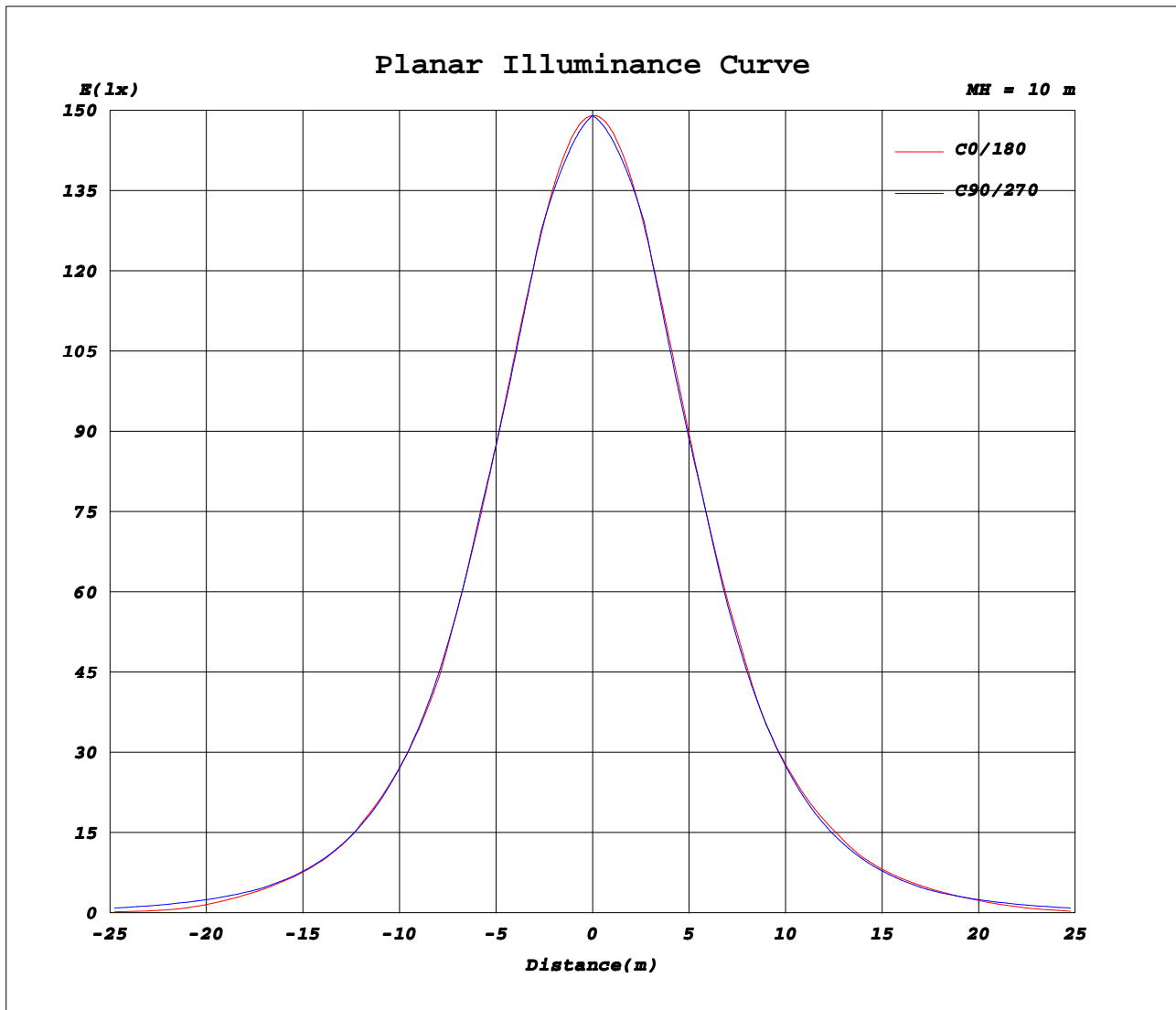
AvgL	cd/m2
L_0~180(65)av	147803
L_0~180(75)av	38755
L_0~180(85)av	6557
L_90~270(65)av	243969
L_90~270(75)av	42290
L_90~270(85)av	0
L_45(65)av	225831
L_45(75)av	98757
L_45(85)av	0

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-14

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(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-14

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	14905	14905	14905	14905	14905	14905	14905	14905	14905	14905
2.5	14870	14859	14848	14838	14829	14820	14812	14805	14799	14793
5.0	14795	14773	14752	14733	14716	14701	14688	14678	14668	14660
7.5	14672	14639	14609	14583	14561	14542	14527	14517	14508	14503
10.0	14514	14469	14431	14398	14371	14350	14335	14326	14321	14322
12.5	14309	14255	14211	14176	14149	14130	14118	14112	14113	14119
15.0	14045	13983	13934	13899	13878	13867	13867	13873	13886	13903
17.5	13739	13666	13611	13575	13556	13556	13571	13598	13631	13669
20.0	13392	13306	13245	13209	13196	13206	13235	13282	13342	13410
22.5	12983	12888	12826	12793	12791	12815	12863	12932	13020	12971
25.0	12526	12423	12358	12332	12341	12384	12455	12552	12491	12449
27.5	12033	11921	11856	11835	11858	11919	12016	11985	11939	11915
30.0	11498	11380	11317	11307	11344	11429	11454	11402	11377	11371
32.5	10930	10808	10748	10747	10805	10909	10843	10813	10808	10824
35.0	10321	10189	10142	10171	10252	10270	10228	10218	10238	10276
37.5	9502	9382	9361	9448	9627	9611	9610	9630	9667	9728
40.0	8827	8712	8679	8727	8808	8845	8926	9037	9108	9134
42.5	8254	8139	8112	8168	8155	8126	8199	8360	8513	8427
45.0	7682	7562	7542	7621	7545	7525	7570	7669	7725	7696
47.5	7078	6959	6953	7007	6924	6929	7003	6962	6919	6953
50.0	6398	6250	6298	6326	6278	6322	6375	6262	6191	6225
52.5	5563	5448	5482	5498	5529	5689	5626	5565	5517	5515
55.0	4861	4759	4814	4783	4813	4858	4895	4823	4840	4839
57.5	4154	4058	4140	4104	4173	4146	4137	4105	4173	4149
60.0	3303	3231	3332	3388	3518	3435	3445	3436	3442	3465
62.5	2253	2251	2448	2642	2736	2744	2790	2770	2719	2787
65.0	1055	1160	1444	1818	1980	2059	2108	2123	2066	2120
67.5	553.3	570.9	728.6	1021	1267	1381	1518	1492	1433	1461
70.0	395.1	400.9	440.8	565.1	694.9	885.3	994.6	905.4	867.3	1094
72.5	294.8	294.2	313.4	349.4	407.5	540.5	551.2	490.7	639.6	796.1
75.0	212.4	211.2	218.9	239.6	271.1	308.5	298.9	355.8	447.1	531.0
77.5	149.1	145.8	150.2	163.9	179.0	191.1	214.1	241.1	277.7	295.8
80.0	96.71	92.66	96.78	106.8	117.1	130.6	139.1	141.9	129.8	112.0
82.5	49.21	45.64	57.18	66.19	74.75	77.26	71.30	55.49	36.38	15.11
85.0	10.19	19.19	29.77	38.73	36.15	18.88	0	0	0	0
87.5	4.898	9.735	9.798	0	0	0	0	0	0	0
90.0	5.290	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	14905	14905	14905	14905	14905	14905	14905	14905	14905	14905
2.5	14787	14783	14780	14778	14776	14774	14774	14775	14776	14777
5.0	14654	14649	14646	14644	14642	14642	14643	14644	14648	14649
7.5	14500	14499	14499	14501	14503	14507	14510	14514	14519	14521
10.0	14325	14332	14340	14349	14359	14368	14376	14384	14390	14393
12.5	14133	14149	14168	14188	14207	14225	14241	14253	14261	14265
15.0	13925	13952	13984	14018	14050	14079	14103	14121	14133	14135
17.5	13708	13748	13760	13734	13717	13708	13707	13709	13717	13727
20.0	13408	13355	13315	13291	13281	13279	13283	13291	13302	13313
22.5	12927	12890	12862	12844	12842	12848	12859	12873	12887	12900
25.0	12423	12409	12397	12393	12400	12416	12434	12453	12471	12485
27.5	11907	11911	11922	11936	11955	11982	12008	12034	12056	12071
30.0	11382	11406	11436	11471	11508	11546	11583	11614	11640	11656
32.5	10854	10897	10945	11000	10973	10957	10951	10956	10976	10999
35.0	10325	10386	10354	10323	10302	10285	10284	10289	10312	10332
37.5	9767	9710	9675	9646	9634	9615	9617	9621	9648	9665
40.0	9073	9028	9000	8974	8968	8948	8951	8955	8984	8998
42.5	8380	8354	8329	8312	8304	8285	8287	8289	8320	8331
45.0	7695	7682	7661	7655	7644	7627	7624	7623	7656	7664
47.5	7006	7011	7005	7000	6974	6963	6947	6946	6977	6987
50.0	6276	6340	6345	6324	6296	6287	6268	6270	6298	6311
52.5	5525	5652	5655	5645	5625	5613	5590	5596	5619	5636
55.0	4825	4950	4957	4970	4957	4941	4914	4920	4941	4961
57.5	4157	4236	4259	4301	4292	4270	4242	4245	4262	4286
60.0	3484	3538	3570	3635	3627	3602	3572	3570	3583	3612
62.5	2804	2868	2891	2978	3018	3023	3014	3017	3031	3053
65.0	2141	2246	2344	2462	2496	2492	2474	2469	2479	2499
67.5	1633	1811	1881	1959	1976	1962	1934	1921	1926	1945
70.0	1263	1387	1429	1462	1461	1432	1395	1374	1374	1391
72.5	914.0	979.4	987.3	976.5	950.1	903.5	855.4	826.2	821.7	836.3
75.0	585.7	587.8	553.8	501.5	442.2	376.5	316.2	278.7	269.4	281.4
77.5	274.6	211.6	194.1	185.6	174.4	160.1	144.7	135.8	134.7	137.1
80.0	97.69	82.46	66.63	49.82	33.37	18.89	8.142	1.996	0	2.016
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 - 90DEGH(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-14

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	14905	14905	14905	14905	14905	14905	14905	14905	14905	14905
2.5	14779	14782	14786	14790	14795	14800	14807	14814	14822	14830
5.0	14653	14657	14662	14669	14675	14684	14693	14703	14715	14728
7.5	14525	14530	14533	14539	14544	14551	14559	14569	14581	14595
10.0	14396	14397	14399	14400	14402	14403	14406	14413	14421	14433
12.5	14265	14262	14258	14253	14246	14241	14237	14233	14234	14239
15.0	14131	14124	14112	14097	14080	14062	14045	14030	14020	14016
17.5	13743	13763	13792	13828	13872	13869	13836	13807	13784	13765
20.0	13327	13346	13370	13400	13439	13487	13551	13567	13520	13480
22.5	12911	12925	12944	12967	12998	13039	13093	13159	13233	13165
25.0	12494	12502	12514	12528	12549	12580	12616	12668	12735	12815
27.5	12075	12079	12081	12084	12092	12103	12123	12155	12201	12263
30.0	11657	11653	11645	11635	11625	11615	11613	11624	11646	11692
32.5	11028	11069	11119	11180	11148	11118	11094	11079	11082	11108
35.0	10362	10399	10448	10505	10559	10611	10566	10532	10512	10509
37.5	9697	9729	9780	9826	9878	9934	10005	9979	9933	9906
40.0	9031	9059	9110	9148	9200	9247	9309	9378	9352	9305
42.5	8366	8392	8443	8481	8527	8571	8617	8670	8747	8715
45.0	7701	7729	7779	7820	7855	7899	7929	7972	8025	8104
47.5	7025	7064	7106	7162	7191	7233	7254	7271	7285	7273
50.0	6348	6391	6430	6487	6531	6566	6584	6547	6539	6515
52.5	5673	5719	5759	5811	5856	5878	5918	5812	5807	5836
55.0	4998	5046	5091	5137	5179	5184	5195	5112	5140	5173
57.5	4326	4376	4426	4467	4506	4494	4477	4443	4490	4511
60.0	3656	3707	3760	3802	3827	3814	3791	3778	3815	3804
62.5	3087	3120	3143	3148	3145	3141	3139	3121	3151	3104
65.0	2534	2573	2604	2620	2559	2501	2508	2475	2493	2467
67.5	1981	2028	2067	2097	2054	2029	1966	1840	1830	1844
70.0	1428	1482	1533	1578	1564	1572	1517	1423	1237	1240
72.5	875.1	936.5	1002	1065	1089	1125	1101	1058	926.1	764.2
75.0	321.9	392.3	473.7	555.3	621.0	685.9	710.5	716.0	647.5	542.9
77.5	147.1	167.6	190.5	210.7	228.6	255.2	335.4	393.3	397.6	357.0
80.0	8.279	19.79	36.52	56.64	78.70	99.88	119.4	140.0	170.4	199.7
82.5	0	0	0	0	0	0	0	18.92	46.83	73.72
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	14905	14905	14905	14905	14905	14905	14905	14905	14905	14905
2.5	14838	14848	14857	14868	14878	14889	14901	14892	14884	14877
5.0	14742	14757	14774	14793	14813	14835	14857	14841	14826	14812
7.5	14611	14630	14653	14678	14706	14737	14771	14746	14725	14706
10.0	14448	14468	14492	14522	14557	14597	14642	14610	14583	14560
12.5	14250	14267	14291	14322	14362	14409	14465	14426	14395	14372
15.0	14020	14030	14050	14078	14119	14172	14237	14191	14157	14136
17.5	13753	13749	13757	13780	13818	13873	13945	13892	13857	13840
20.0	13448	13427	13422	13437	13474	13534	13616	13552	13511	13493
22.5	13107	13067	13049	13055	13090	13153	13246	13170	13124	13107
25.0	12728	12665	12629	12625	12653	12717	12819	12731	12681	12670
27.5	12313	12225	12168	12145	12164	12225	12332	12234	12185	12179
30.0	11766	11752	11668	11632	11689	11800	11694	11644	11644	11649
32.5	11157	11244	11138	11074	11066	11116	11229	11119	11073	11086
35.0	10536	10600	10586	10500	10475	10516	10630	10517	10477	10505
37.5	9910	9954	10022	9918	9871	9894	10005	9890	9866	9917
40.0	9288	9299	9359	9243	9111	9084	9180	9074	9088	9213
42.5	8643	8567	8535	8464	8363	8361	8456	8357	8353	8443
45.0	7907	7816	7810	7877	7778	7771	7862	7766	7769	7864
47.5	7244	7186	7193	7277	7203	7184	7273	7180	7195	7263
50.0	6626	6600	6582	6643	6622	6584	6669	6577	6609	6623
52.5	5935	6019	5964	5974	5999	5908	5980	5879	5962	5928
55.0	5225	5363	5249	5225	5202	5110	5174	5088	5160	5150
57.5	4514	4572	4564	4504	4555	4443	4494	4418	4507	4434
60.0	3840	3848	3925	3858	3864	3782	3814	3751	3802	3776
62.5	3182	3189	3238	3165	3116	2983	2976	2937	3037	3064
65.0	2547	2544	2542	2500	2293	2055	1943	1957	2156	2362
67.5	1915	1938	1862	1730	1374	1035	895.1	945.3	1205	1539
70.0	1311	1368	1204	1010	711.8	547.0	499.9	517.5	620.3	837.7
72.5	777.2	869.8	717.2	552.9	432.7	382.4	363.5	364.1	391.3	468.8
75.0	435.2	466.7	429.0	341.3	298.5	278.4	269.1	264.5	271.2	299.4
77.5	304.3	262.2	257.2	232.7	210.2	198.7	194.4	186.9	189.1	202.3

H(β) Range:-90 - 90DEGH(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-14

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	195.0	179.2	164.1	153.6	143.8	134.9	133.8	126.4	126.5	132.1
82.5	99.02	106.9	104.3	96.36	86.45	71.34	72.01	67.13	73.36	80.18
85.0	0	26.28	48.71	53.44	43.35	28.87	17.24	22.96	32.13	42.73
87.5	0	0	0	0	15.91	12.23	5.699	6.975	6.034	0
90.0	0	0	0	0	0	0	4.727	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	14905	14905	14905	14905	14905	14905	14905	14905	14905	14905
2.5	14869	14863	14856	14850	14844	14838	14833	14829	14825	14821
5.0	14800	14788	14778	14770	14762	14754	14748	14743	14737	14732
7.5	14691	14677	14666	14658	14652	14647	14644	14641	14639	14637
10.0	14543	14531	14522	14518	14516	14517	14520	14524	14530	14532
12.5	14356	14347	14344	14347	14353	14364	14378	14392	14406	14420
15.0	14127	14126	14134	14147	14166	14189	14215	14243	14271	14298
17.5	13839	13853	13880	13915	13955	13996	14039	14083	14090	14043
20.0	13500	13529	13576	13637	13707	13779	13770	13699	13644	13602
22.5	13121	13163	13229	13317	13421	13355	13289	13232	13186	13153
25.0	12695	12753	12843	12960	12885	12826	12782	12747	12716	12696
27.5	12218	12299	12416	12378	12319	12279	12255	12242	12233	12230
30.0	11703	11807	11839	11778	11739	11720	11715	11724	11738	11757
32.5	11160	11280	11205	11167	11152	11155	11171	11199	11234	11274
35.0	10597	10621	10569	10552	10562	10590	10624	10669	10630	10587
37.5	10027	9966	9933	9940	9973	10022	10049	9986	9939	9903
40.0	9344	9292	9304	9333	9390	9417	9348	9295	9255	9223
42.5	8503	8544	8623	8737	8779	8705	8652	8611	8577	8547
45.0	7796	7803	7888	8086	8039	8002	7965	7934	7905	7877
47.5	7177	7175	7246	7241	7283	7275	7281	7262	7239	7213
50.0	6557	6581	6619	6508	6513	6522	6606	6599	6567	6527
52.5	5912	5983	5905	5820	5780	5786	5918	5899	5875	5839
55.0	5159	5299	5166	5135	5110	5092	5155	5187	5185	5155
57.5	4474	4452	4455	4434	4451	4405	4421	4483	4489	4475
60.0	3827	3752	3754	3697	3755	3723	3735	3786	3784	3797
62.5	3128	3069	3085	3030	3076	3053	3076	3095	3081	3130
65.0	2398	2423	2443	2383	2380	2392	2409	2444	2501	2600
67.5	1698	1800	1789	1751	1713	1744	1859	1979	2010	2076
70.0	1047	1243	1209	1140	1139	1338	1436	1526	1530	1556
72.5	596.9	758.4	691.5	665.2	845.8	988.4	1044	1084	1058	1043
75.0	357.3	403.9	368.5	469.4	586.7	662.6	668.7	652.6	594.4	533.2
77.5	220.2	225.6	258.1	308.7	356.1	357.1	307.3	230.6	208.2	194.6
80.0	140.4	153.0	165.1	171.3	148.3	122.8	105.9	89.52	71.58	52.30
82.5	87.17	88.51	82.24	62.89	40.46	16.59	0	0	0	0
85.0	38.44	21.10	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	14905	14905	14905	14905	14905	14905	14905	14905	14905	14905
2.5	14818	14815	14812	14811	14810	14808	14806	14806	14806	14807
5.0	14728	14724	14720	14716	14714	14710	14707	14704	14702	14701
7.5	14634	14631	14627	14623	14619	14612	14606	14599	14592	14586
10.0	14534	14535	14533	14529	14523	14514	14502	14489	14475	14460
12.5	14430	14436	14438	14435	14428	14415	14397	14375	14351	14325
15.0	14321	14334	14342	14340	14332	14314	14288	14257	14221	14182
17.5	14006	13974	13950	13928	13913	13900	13893	13889	13897	13911
20.0	13571	13547	13526	13508	13494	13479	13466	13458	13457	13464
22.5	13131	13115	13100	13088	13074	13058	13040	13024	13014	13012
25.0	12685	12679	12673	12666	12655	12637	12612	12588	12568	12555
27.5	12234	12241	12244	12243	12236	12215	12183	12149	12119	12091
30.0	11778	11799	11814	11820	11816	11794	11754	11709	11668	11622
32.5	11234	11202	11174	11156	11144	11132	11119	11119	11131	11147
35.0	10551	10522	10499	10482	10472	10461	10449	10450	10458	10471
37.5	9871	9844	9824	9808	9799	9790	9780	9783	9790	9797
40.0	9193	9167	9148	9134	9127	9120	9113	9118	9123	9128
42.5	8519	8493	8473	8459	8455	8450	8448	8456	8461	8466
45.0	7849	7820	7799	7785	7782	7781	7786	7796	7805	7809
47.5	7175	7137	7108	7088	7082	7082	7091	7113	7136	7156
50.0	6487	6446	6415	6391	6381	6381	6391	6413	6437	6460
52.5	5801	5758	5723	5693	5680	5680	5692	5716	5739	5762
55.0	5118	5072	5032	4996	4979	4979	4993	5020	5045	5067
57.5	4438	4388	4342	4300	4279	4279	4295	4326	4354	4376
60.0	3760	3705	3653	3604	3578	3578	3598	3634	3665	3689
62.5	3135	3109	3077	3044	3024	3021	3028	3042	3039	3014
65.0	2592	2560	2523	2489	2471	2469	2481	2502	2511	2494
67.5	2053	2012	1968	1934	1917	1918	1934	1964	1986	1984
70.0	1518	1466	1414	1378	1363	1366	1389	1428	1465	1478

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-14

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	985.0	920.1	860.3	823.3	809.6	815.3	844.0	893.9	946.2	981.7
75.0	454.3	375.5	306.9	268.1	256.0	264.3	299.5	360.9	429.5	494.7
77.5	177.3	157.6	139.1	130.3	128.0	128.5	135.5	150.3	164.1	175.7
80.0	33.95	18.61	7.824	1.916	0	1.888	7.618	17.73	31.41	47.17
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	14905	14905	14905	14905	14905	14905	14905	14905	14905	14905
2.5	14808	14810	14812	14815	14819	14823	14828	14833	14839	14846
5.0	14700	14701	14702	14704	14708	14713	14719	14727	14737	14749
7.5	14579	14574	14570	14567	14567	14569	14572	14580	14592	14606
10.0	14446	14431	14417	14406	14398	14394	14394	14400	14410	14427
12.5	14299	14271	14247	14223	14205	14193	14186	14186	14193	14209
15.0	14139	14096	14056	14020	13987	13960	13938	13925	13924	13933
17.5	13935	13910	13850	13792	13736	13687	13645	13616	13604	13611
20.0	13483	13511	13551	13538	13451	13375	13313	13270	13246	13246
22.5	13020	13035	13061	13094	13134	13029	12943	12879	12841	12830
25.0	12547	12547	12549	12567	12600	12648	12536	12449	12393	12370
27.5	12065	12043	12030	12029	12042	12078	12099	11988	11915	11879
30.0	11576	11536	11504	11482	11478	11496	11542	11507	11410	11357
32.5	11083	11026	10975	10936	10912	10911	10934	10997	10877	10804
35.0	10492	10518	10448	10392	10346	10316	10320	10363	10331	10232
37.5	9814	9843	9892	9847	9772	9727	9708	9707	9719	9522
40.0	9142	9162	9200	9252	9212	9142	9036	8945	8892	8788
42.5	8473	8487	8510	8542	8618	8481	8298	8208	8227	8230
45.0	7811	7817	7822	7814	7844	7776	7655	7602	7618	7685
47.5	7154	7148	7134	7069	7031	7049	7085	7009	6999	7072
50.0	6482	6485	6413	6332	6289	6347	6460	6409	6361	6392
52.5	5775	5779	5663	5615	5602	5650	5715	5792	5613	5571
55.0	5063	5060	4929	4936	4928	4919	4983	4958	4892	4849
57.5	4347	4335	4240	4230	4261	4186	4226	4227	4248	4165
60.0	3641	3619	3557	3534	3528	3503	3518	3515	3593	3453
62.5	2943	2931	2869	2849	2795	2827	2863	2822	2814	2729
65.0	2384	2293	2193	2175	2123	2171	2179	2138	2071	1920
67.5	1911	1845	1671	1508	1481	1534	1568	1472	1342	1095
70.0	1449	1412	1289	1132	905.5	930.0	1025	951.1	742.0	599.3
72.5	996.2	994.4	930.0	822.2	665.7	498.1	559.4	567.9	424.1	361.4
75.0	551.3	590.3	590.0	544.2	458.2	355.5	293.4	312.8	275.1	245.2
77.5	184.1	201.2	267.3	295.1	278.8	236.9	208.6	187.1	178.4	166.0
80.0	63.25	77.69	90.87	104.1	122.2	135.4	133.3	126.2	114.3	106.2
82.5	0	0	0	14.04	33.76	51.32	65.46	72.44	71.18	63.85
85.0	0	0	0	0	0	0	0	17.20	32.31	35.22
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	14905	14905								
2.5	14853	14861								
5.0	14763	14778								
7.5	14624	14646								
10.0	14450	14479								
12.5	14233	14266								
15.0	13957	13994								
17.5	13635	13677								
20.0	13269	13318								
22.5	12850	12901								
25.0	12383	12435								
27.5	11886	11936								
30.0	11350	11396								
32.5	10786	10827								
35.0	10184	10211								
37.5	9405	9403								
40.0	8717	8732								
42.5	8154	8160								
45.0	7584	7583								
47.5	6996	6981								
50.0	6352	6277								
52.5	5534	5474								
55.0	4864	4782								
57.5	4188	4085								
60.0	3396	3267								
62.5	2527	2296								

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-14

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	1513	1199
67.5	774.6	595.6
70.0	457.3	406.5
72.5	323.2	295.8
75.0	222.3	212.9
77.5	152.9	147.8
80.0	99.47	96.41
82.5	57.29	50.39
85.0	26.14	18.27
87.5	5.360	6.116
90.0	0	0

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-14

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: