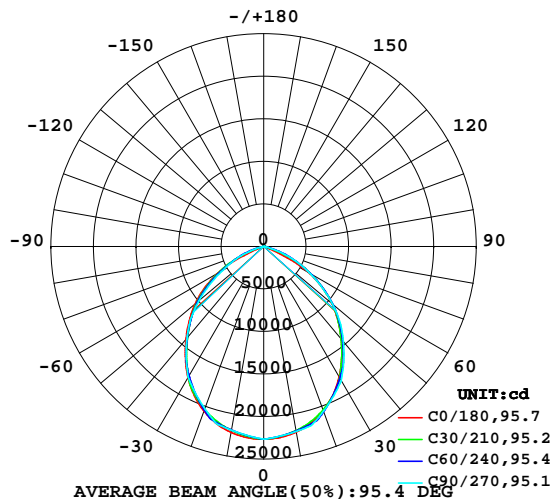


LUMINAIRE PHOTOMETRIC TEST REPORT

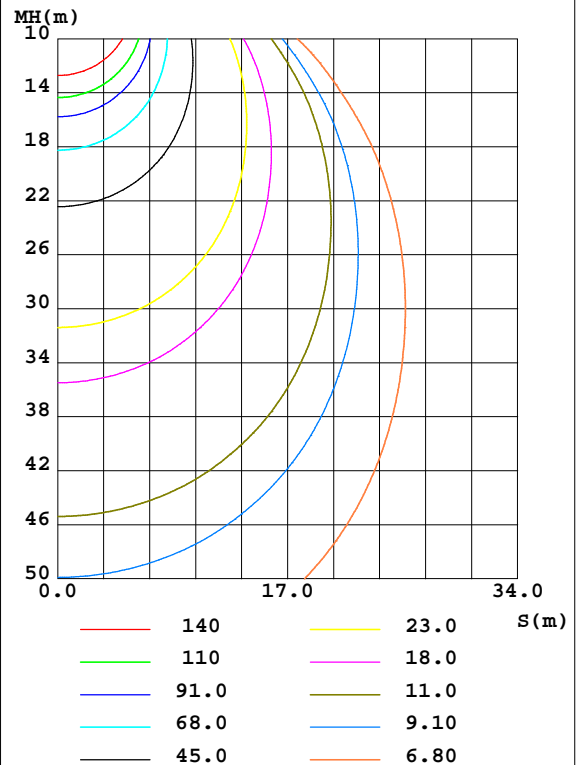
Test:U:119.99V I:2.4519A P:293.99W PF:0.9992 Freq:59.98Hz Lamp Flux:48445x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W/5000K/Ra≥70	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 164.79 lm/W			
MODEL	GHSL-48-U	Imax(cd)	22664	S/MH(C0/180)	1.18
NOMINAL POWER(W)	300	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	48445	η UP,DN(C0-180)	0.0,50.8
NOMINAL FLUX(lm)	48445	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.2
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:2024-11-06

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2215	2197	2208	2200	2218	2191	2192	2185	0- 10	2124	2124	4.38,4.38
20	2052	2076	2060	2080	2059	2063	2029	2051	10- 20	6032	8157	16.8,16.8
30	1773	1776	1824	1784	1781	1751	1775	1742	20- 30	8829	16986	35.1,35.1
40	1419	1442	1459	1451	1423	1405	1404	1406	30- 40	10001	26987	55.7,55.7
50	1049	1052	1057	1062	1055	1013	993.4	1014	40- 50	9495	36482	75.3,75.3
60	606.8	632.0	620.8	647.1	618.6	596.0	544.6	593.0	50- 60	7375	43857	90.5,90.5
70	54.59	225.7	230.7	242.4	57.43	197.1	199.4	192.6	60- 70	3804	47662	98.4,98.4
80	13.42	13.96	0	14.73	14.79	10.66	0	10.51	70- 80	761.5	48423	100,100
90	0.7297	0	0	0	0.7222	0	0	0	80- 90	21.95	48445	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): 31893 lm

%lum = 65.8%

%lamp = 65.8%

Conical surface Flux(120deg): 43857 lm

%lum = 90.5%

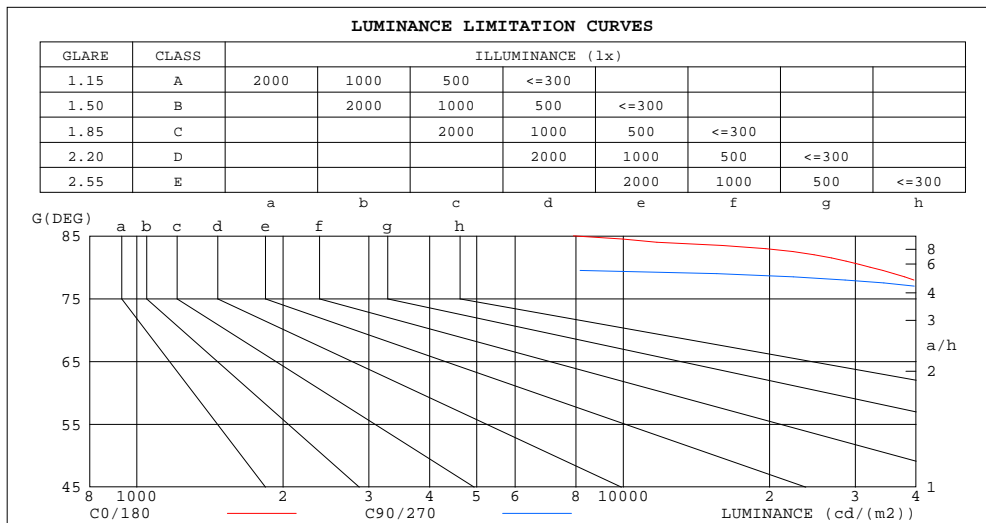
%lamp = 90.5%

$H(\beta)$ 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:119.99V I:2.4519A P:293.99W PF:0.9992 Freq:59.98Hz Lamp Flux:48445x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W/5000K/Ra≥70	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



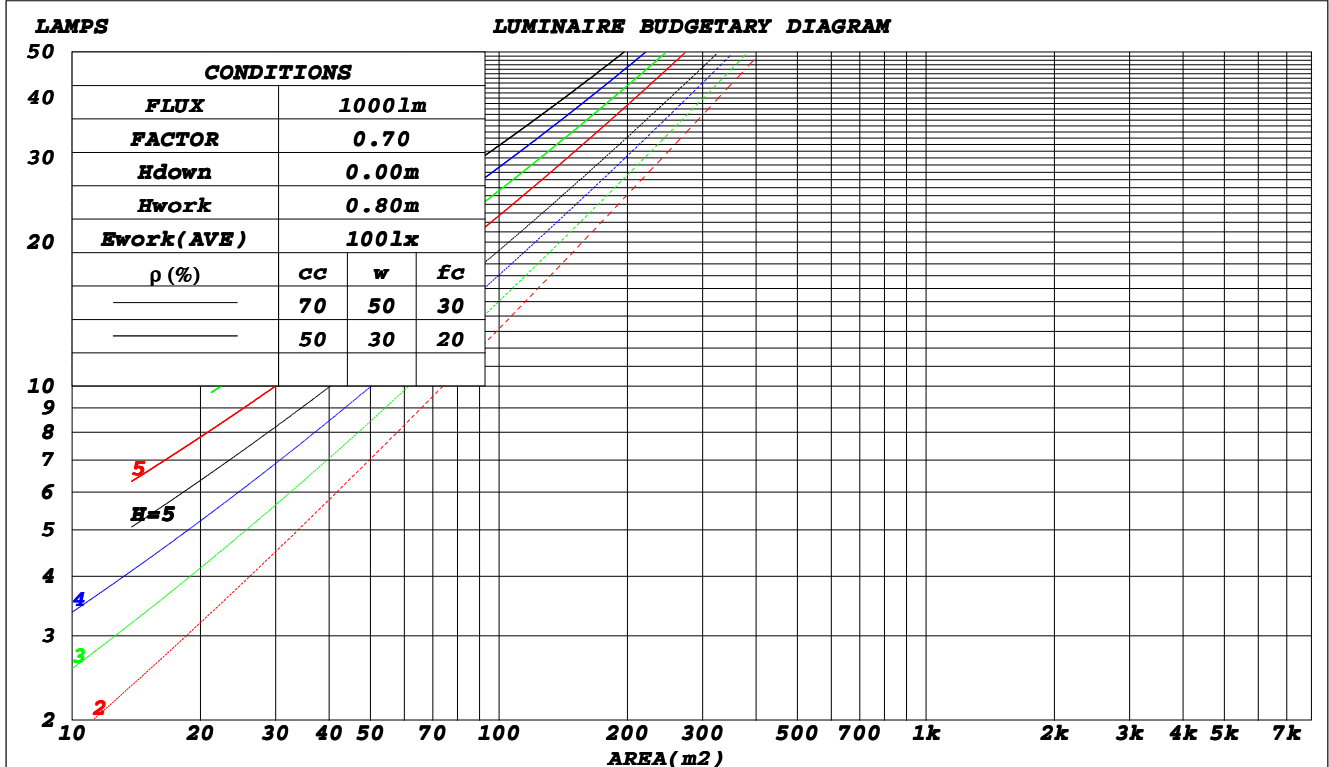
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-06

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:119.99V I:2.4519A P:293.99W PF:0.9992 Freq:59.98Hz Lamp Flux:48445x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W/5000K/Ra≥70	DIM.: 230*530mm	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	1.00
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	.95	.90	.85	.94	.88	.84	.90	.86	.82	.87	.83	.80	.84	.81	.78	.76
3.0	.85	.78	.72	.84	.77	.72	.81	.75	.71	.78	.73	.69	.76	.72	.68	.66
4.0	.76	.69	.63	.75	.68	.62	.73	.66	.61	.70	.65	.61	.68	.64	.60	.58
5.0	.69	.61	.55	.68	.60	.54	.66	.59	.54	.64	.58	.53	.62	.57	.53	.51
6.0	.62	.54	.48	.62	.54	.48	.60	.53	.48	.58	.52	.47	.57	.51	.47	.45
7.0	.57	.49	.43	.56	.48	.43	.55	.48	.43	.53	.47	.42	.52	.46	.42	.40
8.0	.52	.44	.39	.52	.44	.39	.50	.43	.38	.49	.43	.38	.48	.42	.38	.36
9.0	.48	.40	.35	.47	.40	.35	.46	.40	.35	.45	.39	.35	.44	.39	.35	.33
10.0	.44	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.32	.41	.36	.32	.30



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:

WEC AND CCEC

Test:U:119.99V I:2.4519A P:293.99W PF:0.9992 Freq:59.98Hz Lamp Flux:48445x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W/5000K/Ra≥70	DIM.: 230*530mm	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	.248	.141	.045	.241	.137	.044	.228	.131	.042	.216	.125	.040	.205	.119	.038		
2.0	.244	.134	.041	.238	.131	.040	.226	.126	.039	.216	.121	.038	.206	.117	.037		
3.0	.232	.124	.037	.227	.122	.037	.217	.118	.036	.208	.114	.035	.200	.111	.034		
4.0	.220	.114	.034	.215	.112	.033	.206	.109	.033	.198	.106	.032	.191	.104	.032		
5.0	.207	.105	.031	.203	.104	.030	.195	.101	.030	.188	.099	.029	.181	.097	.029		
6.0	.194	.097	.028	.191	.096	.028	.184	.094	.027	.177	.092	.027	.171	.090	.027		
7.0	.183	.090	.026	.180	.089	.026	.173	.088	.025	.168	.086	.025	.162	.084	.025		
8.0	.172	.084	.024	.169	.083	.024	.164	.082	.023	.159	.080	.023	.154	.079	.023		
9.0	.163	.079	.022	.160	.078	.022	.155	.077	.022	.150	.075	.022	.146	.074	.021		
10.0	.154	.074	.020	.152	.073	.020	.147	.072	.020	.143	.071	.020	.139	.070	.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	.151	.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	.135	.098	.069	.093	.068	.048	.053	.040	.029	.017	.013	.009	
4.0	.150	.100	.063	.128	.087	.054	.088	.060	.038	.051	.035	.023	.016	.012	.007	
5.0	.142	.090	.051	.122	.078	.044	.084	.054	.031	.049	.032	.018	.016	.010	.006	
6.0	.136	.081	.042	.117	.070	.037	.080	.049	.026	.047	.029	.015	.015	.009	.005	
7.0	.129	.074	.035	.111	.064	.031	.077	.045	.022	.045	.027	.013	.014	.009	.004	
8.0	.123	.068	.030	.106	.059	.027	.074	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.118	.063	.027	.102	.055	.023	.070	.039	.016	.041	.023	.010	.013	.007	.003	
10.0	.113	.059	.023	.097	.051	.020	.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:2024-11-06

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:119.99V I:2.4519A P:293.99W PF:0.9992 Freq:59.98Hz Lamp Flux:48445x1 lm										
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:300W/5000K/Ra≥70					DIM.: 230*530mm			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	21.3	22.7	21.6	22.9	23.1	21.5	22.9	21.8	23.1	23.3
3H	21.4	22.6	21.7	22.8	23.1	22.1	23.3	22.4	23.6	23.8
4H	21.3	22.5	21.6	22.7	23.0	22.1	23.2	22.4	23.5	23.7
6H	21.2	22.3	21.5	22.6	22.8	22.0	23.1	22.3	23.3	23.6
8H	21.1	22.2	21.5	22.5	22.8	21.9	23.0	22.2	23.2	23.5
12H	21.1	22.1	21.4	22.4	22.7	21.9	22.9	22.2	23.2	23.5
4H 2H	21.6	22.8	22.0	23.1	23.3	21.8	23.0	22.1	23.2	23.5
3H	21.8	22.8	22.1	23.1	23.4	22.5	23.5	22.8	23.8	24.1
4H	21.7	22.6	22.1	23.0	23.3	22.5	23.4	22.9	23.7	24.1
6H	21.6	22.5	22.0	22.8	23.2	22.4	23.2	22.8	23.6	23.9
8H	21.6	22.3	22.0	22.7	23.1	22.4	23.1	22.8	23.5	23.9
12H	21.6	22.2	22.0	22.6	23.0	22.3	23.0	22.7	23.4	23.8
8H 4H	21.7	22.4	22.1	22.8	23.2	22.4	23.2	22.8	23.5	23.9
6H	21.6	22.2	22.1	22.6	23.1	22.4	23.0	22.8	23.4	23.8
8H	21.6	22.1	22.0	22.5	23.0	22.3	22.8	22.8	23.3	23.7
12H	21.5	22.0	22.0	22.4	22.9	22.3	22.7	22.7	23.2	23.6
12H 4H	21.7	22.3	22.1	22.7	23.1	22.4	23.1	22.8	23.5	23.9
6H	21.6	22.1	22.0	22.5	23.0	22.3	22.8	22.8	23.3	23.7
8H	21.5	22.0	22.0	22.4	22.9	22.3	22.7	22.7	23.2	23.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.7					+ 0.5 / - 0.6				
1.5H	+ 0.5 / - 1.0					+ 0.2 / - 0.5				
2.0H	+ 0.9 / - 0.8					+ 0.9 / - 1.0				

CIE Pub.117, 48445 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 13.5$)
Area: 0.024 m²

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

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:119.99V I:2.4519A P:293.99W PF:0.9992 Freq:59.98Hz Lamp Flux:48445x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W/5000K/Ra≥70	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

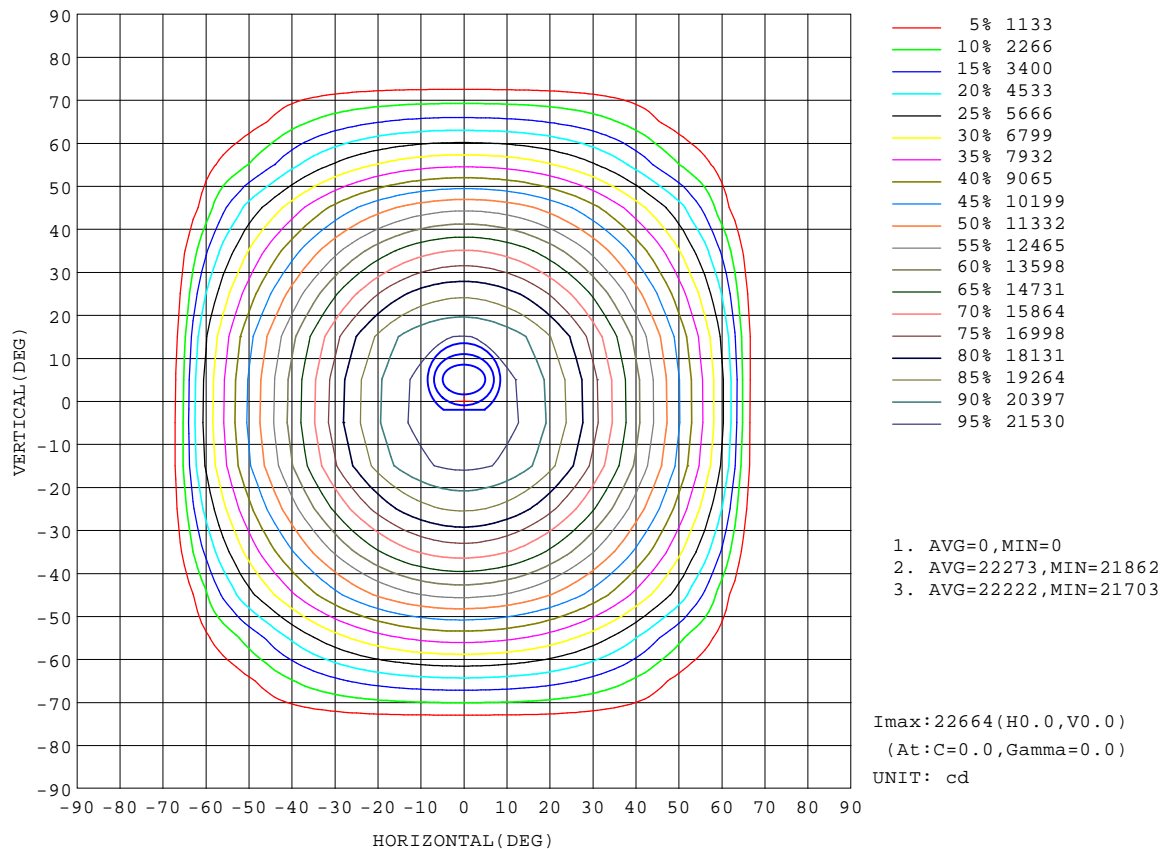
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	63	53	46	63	53	46	62	52	46	40
0.80	74	64	57	73	63	57	71	62	56	50
1.00	82	73	67	81	72	66	79	73	66	59
1.25	89	80	74	88	80	74	85	78	73	67
1.50	94	86	80	92	85	79	90	83	78	72
2.00	100	93	88	98	92	87	95	90	85	79
2.50	103	97	92	101	95	91	98	93	89	82
3.00	106	100	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	102	104	102	99	91
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:119.99V I:2.4519A P:293.99W PF:0.9992 Freq:59.98Hz Lamp Flux:48445x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W/5000K/Ra≥70	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



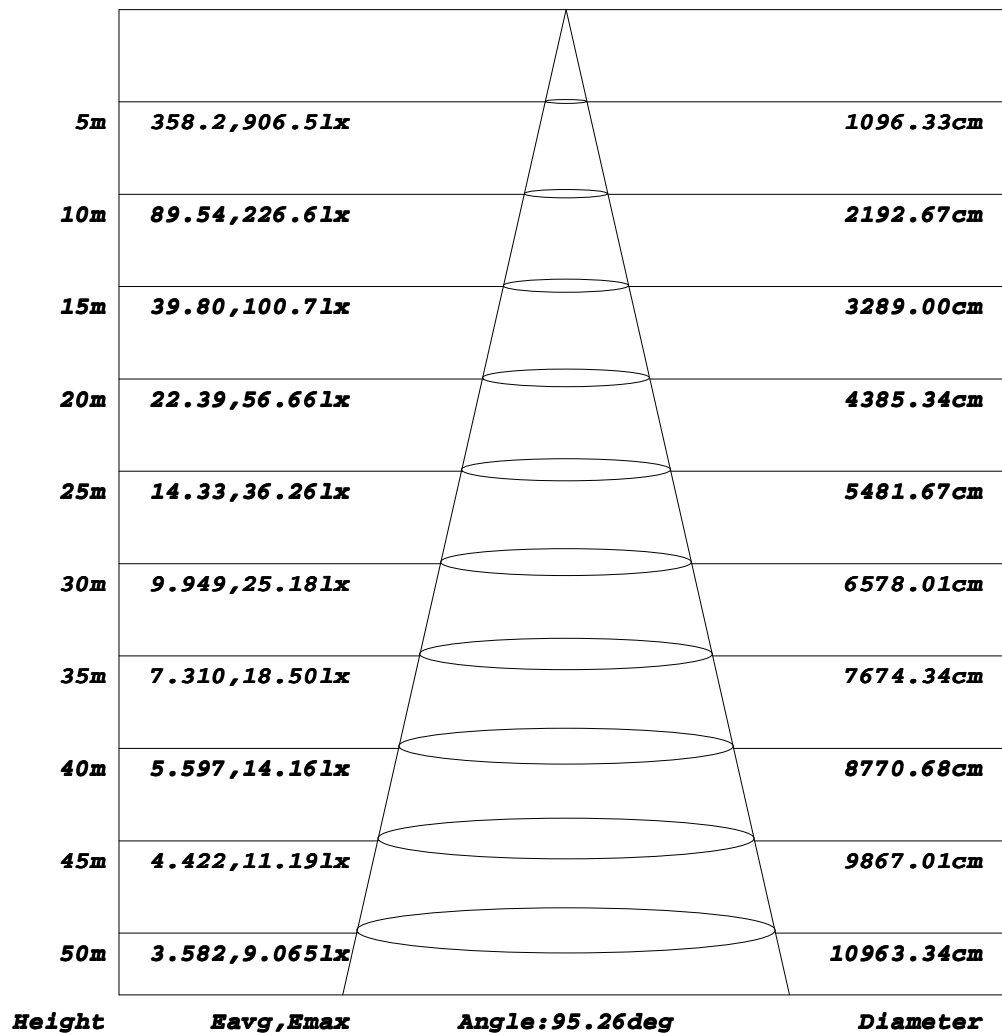
H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessie
Test Date: 2024-11-06

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:

AAI Figure

Test:U:119.99V I:2.4519A P:293.99W PF:0.9992 Freq:59.98Hz Lamp Flux:48445lx1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W/5000K/Ra≥70	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:34699 lm



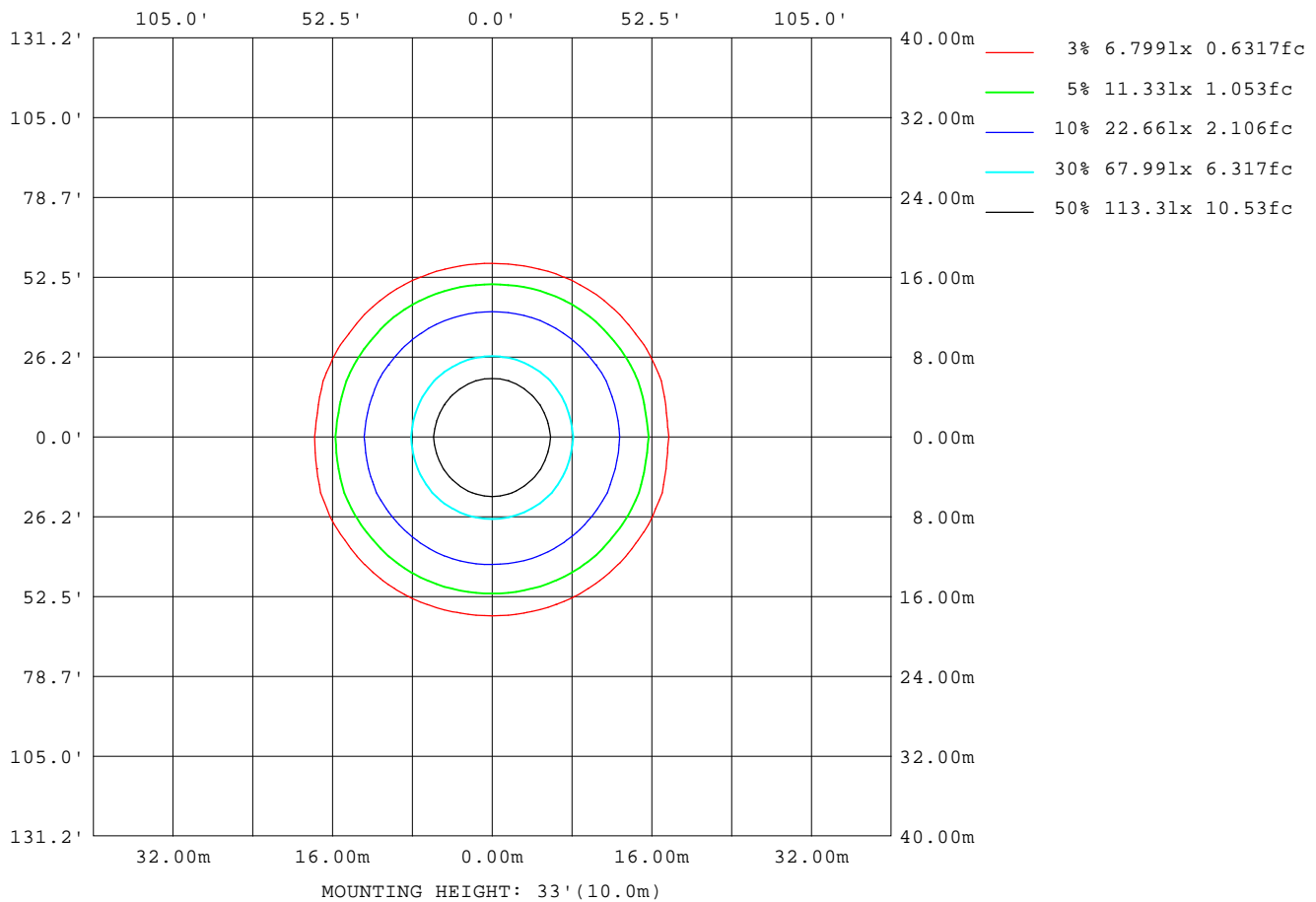
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 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:

ISOLUX DIAGRAM

Test:U:119.99V I:2.4519A P:293.99W PF:0.9992 Freq:59.98Hz Lamp Flux:48445x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W/5000K/Ra≥70	DIM.: 230*530mm	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:2024-11-06

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:119.99V I:2.4519A P:293.99W PF:0.9992 Freq:59.98Hz Lamp Flux:48445x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W/5000K/Ra≥70	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

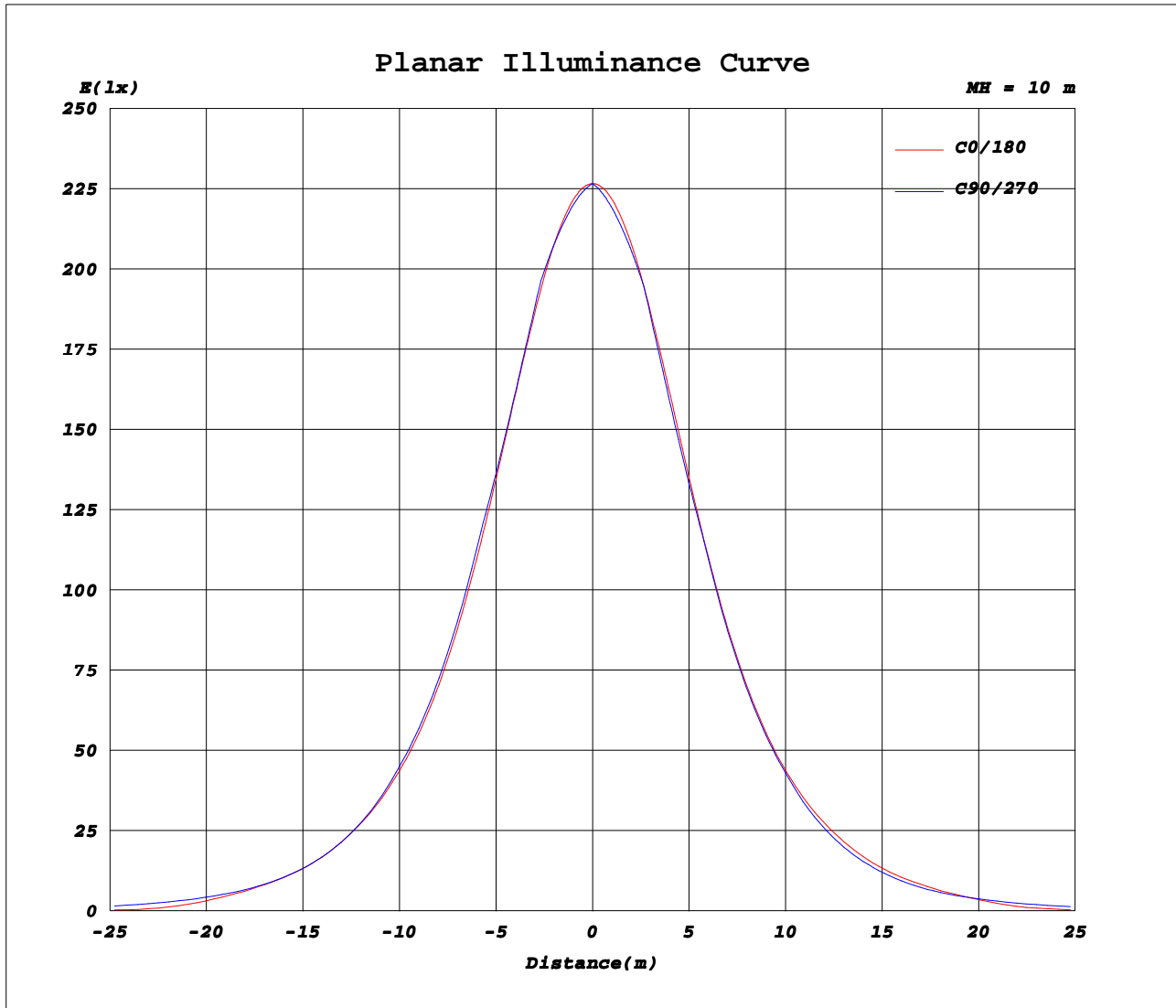
AvgL	cd/m2
L_0~180(65)av	235597
L_0~180(75)av	51278
L_0~180(85)av	8046
L_90~270(65)av	393248
L_90~270(75)av	50282
L_90~270(85)av	0
L_45(65)av	389325
L_45(75)av	159139
L_45(85)av	0

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:2024-11-06

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(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]

G/C	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
0.0	22664	22664	22664	22664	22664	22664	22664	22664	22664	22664
2.5	22626	22613	22601	22589	22578	22568	22559	22551	22544	22537
5.0	22530	22505	22481	22460	22441	22424	22410	22399	22389	22382
7.5	22369	22332	22299	22271	22248	22229	22214	22203	22196	22193
10.0	22148	22098	22056	22022	21996	21980	21969	21965	21967	21974
12.5	21862	21799	21751	21716	21690	21677	21675	21682	21698	21721
15.0	21484	21410	21357	21324	21311	21312	21328	21355	21391	21433
17.5	21029	20945	20888	20859	20854	20873	20913	20971	21038	21113
20.0	20520	20420	20355	20328	20335	20374	20444	20532	20637	20756
22.5	19932	19816	19747	19723	19745	19809	19911	20040	20198	20323
25.0	19268	19137	19065	19051	19087	19175	19311	19491	19417	19364
27.5	18524	18383	18314	18311	18373	18492	18665	18636	18588	18572
30.0	17728	17578	17510	17523	17609	17764	17824	17764	17742	17757
32.5	16879	16724	16664	16692	16808	16993	16908	16877	16890	16934
35.0	15994	15836	15785	15836	15982	16036	15987	15987	16033	16112
37.5	15087	14932	14893	14964	15136	15082	15066	15103	15178	15290
40.0	14185	14034	14010	14104	14203	14134	14153	14229	14339	14416
42.5	13285	13132	13120	13240	13253	13209	13254	13367	13472	13428
45.0	12369	12217	12219	12366	12291	12289	12373	12520	12466	12450
47.5	11444	11292	11314	11429	11331	11365	11496	11502	11464	11480
50.0	10490	10341	10389	10428	10365	10443	10552	10473	10466	10517
52.5	9479	9331	9414	9396	9373	9512	9486	9443	9471	9558
55.0	8371	8230	8351	8316	8356	8476	8424	8423	8487	8585
57.5	7250	7127	7269	7217	7334	7357	7364	7414	7495	7446
60.0	6068	5925	6086	6091	6289	6239	6333	6419	6335	6320
62.5	4426	4394	4652	4912	5067	5096	5318	5235	5179	5204
65.0	2195	2305	2859	3527	3759	3981	4134	4058	4006	4088
67.5	805.0	868.7	1306	1936	2450	2846	2931	2901	2852	2985
70.0	545.9	553.6	633.3	920.1	1273	1788	1893	1764	1803	2257
72.5	416.8	413.6	432.6	503.3	644.2	993.9	974.9	913.5	1302	1626
75.0	310.3	303.3	303.7	326.1	385.8	492.3	446.8	622.6	871.5	1048
77.5	215.2	196.1	189.8	205.2	240.6	265.7	306.1	391.1	498.7	520.2
80.0	134.2	98.39	93.90	116.2	144.2	172.2	187.6	201.7	171.9	139.6
82.5	69.94	38.85	47.07	60.48	80.22	89.57	83.23	67.86	44.65	18.81
85.0	16.51	16.88	21.93	30.15	28.39	19.03	0	0	0	0
87.5	6.463	12.31	11.83	0	0	0	0	0	0	0
90.0	7.297	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	22664	22664	22664	22664	22664	22664	22664	22664	22664	22664
2.5	22531	22526	22522	22520	22517	22515	22515	22515	22516	22516
5.0	22377	22373	22369	22367	22365	22365	22366	22366	22369	22369
7.5	22192	22193	22197	22203	22206	22210	22214	22218	22222	22222
10.0	21982	21994	22009	22023	22038	22051	22061	22070	22075	22073
12.5	21747	21775	21803	21832	21860	21886	21905	21920	21928	21924
15.0	21482	21534	21584	21631	21675	21715	21747	21769	21781	21774
17.5	21192	21270	21301	21252	21217	21197	21190	21186	21191	21192
20.0	20767	20704	20654	20621	20599	20588	20589	20593	20600	20600
22.5	20065	20020	19994	19977	19972	19974	19987	20000	20010	20008
25.0	19329	19318	19314	19321	19336	19356	19382	19405	19420	19414
27.5	18574	18589	18620	18655	18694	18735	18775	18810	18830	18819
30.0	17795	17847	17911	17978	18044	18107	18166	18214	18239	18224
32.5	17005	17092	17188	17293	17285	17286	17292	17310	17326	17323
35.0	16214	16332	16339	16346	16352	16360	16373	16394	16412	16412
37.5	15384	15374	15384	15403	15421	15438	15455	15478	15499	15502
40.0	14403	14412	14435	14464	14493	14518	14537	14562	14585	14591
42.5	13431	13457	13495	13534	13569	13602	13622	13647	13672	13681
45.0	12469	12514	12565	12612	12650	12686	12709	12732	12758	12773
47.5	11522	11581	11643	11698	11687	11669	11652	11651	11666	11687
50.0	10587	10662	10665	10630	10602	10583	10567	10562	10575	10594
52.5	9662	9611	9574	9546	9521	9500	9483	9474	9483	9501
55.0	8548	8515	8490	8468	8445	8421	8401	8386	8391	8408
57.5	7437	7425	7413	7394	7373	7345	7320	7298	7299	7315
60.0	6334	6341	6344	6326	6305	6272	6241	6211	6208	6222
62.5	5241	5265	5280	5272	5289	5276	5256	5234	5232	5243
65.0	4159	4225	4329	4359	4354	4323	4289	4260	4257	4268
67.5	3244	3393	3457	3457	3424	3373	3322	3288	3282	3294
70.0	2492	2585	2601	2564	2501	2426	2358	2315	2307	2320
72.5	1775	1800	1760	1680	1582	1481	1394	1342	1332	1347
75.0	1092	1035	931.2	802.8	667.9	538.5	430.9	370.0	356.7	372.8
77.5	438.0	287.2	258.5	247.8	230.0	207.5	186.6	177.6	178.4	179.0
80.0	122.3	106.7	88.73	66.56	44.04	24.48	10.50	2.609	0	2.630
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(β) Range:-75 - 75DEG

V(β) 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	22664	22664	22664	22664	22664	22664	22664	22664	22664	22664
2.5	22517	22520	22523	22527	22530	22535	22540	22547	22554	22562
5.0	22371	22372	22374	22378	22381	22386	22392	22400	22410	22421
7.5	22221	22220	22218	22217	22215	22214	22214	22216	22220	22229
10.0	22069	22062	22053	22041	22030	22016	22006	22000	21995	21994
12.5	21916	21900	21877	21852	21825	21800	21773	21746	21725	21712
15.0	21758	21730	21694	21652	21607	21556	21506	21461	21422	21392
17.5	21202	21214	21238	21274	21321	21292	21218	21147	21082	21022
20.0	20602	20608	20622	20646	20679	20731	20805	20800	20693	20593
22.5	20002	19996	19998	20004	20024	20060	20113	20182	20260	20113
25.0	19399	19382	19366	19353	19354	19367	19390	19431	19493	19580
27.5	18794	18764	18728	18694	18668	18648	18640	18646	18679	18740
30.0	18188	18140	18082	18024	17967	17912	17866	17842	17841	17874
32.5	17321	17324	17330	17345	17251	17162	17082	17025	16992	16994
35.0	16410	16406	16408	16410	16409	16399	16294	16206	16136	16100
37.5	15500	15493	15488	15478	15463	15454	15469	15378	15276	15208
40.0	14590	14580	14570	14548	14520	14502	14495	14508	14427	14328
42.5	13682	13672	13657	13627	13590	13558	13528	13519	13553	13460
45.0	12776	12767	12749	12714	12670	12623	12575	12543	12554	12605
47.5	11713	11749	11786	11808	11758	11697	11629	11577	11559	11596
50.0	10619	10654	10734	10783	10784	10698	10619	10571	10579	10579
52.5	9526	9562	9599	9642	9686	9731	9775	9670	9588	9565
55.0	8434	8472	8512	8556	8597	8632	8666	8706	8617	8554
57.5	7343	7384	7430	7476	7517	7545	7563	7583	7635	7553
60.0	6254	6299	6352	6402	6444	6467	6473	6471	6489	6571
62.5	5266	5296	5329	5342	5381	5398	5391	5368	5352	5404
65.0	4297	4340	4388	4420	4423	4364	4323	4273	4218	4236
67.5	3328	3386	3453	3509	3537	3512	3400	3185	3065	3088
70.0	2361	2435	2523	2605	2666	2681	2619	2424	2007	1964
72.5	1395	1486	1597	1709	1808	1871	1871	1758	1459	1086
75.0	429.0	539.5	675.6	819.5	960.7	1080	1154	1141	979.0	731.4
77.5	185.3	207.6	233.4	254.9	270.8	303.5	463.3	567.8	558.8	453.6
80.0	10.42	24.51	44.71	68.49	93.07	113.1	129.4	147.3	185.5	226.4
82.5	0	0	0	0	0	0	0	19.87	47.58	72.19
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	22664	22664	22664	22664	22664	22664	22664	22664	22664	22664
2.5	22571	22580	22590	22601	22613	22625	22638	22622	22607	22592
5.0	22433	22447	22464	22483	22505	22528	22554	22522	22493	22465
7.5	22240	22257	22277	22301	22329	22363	22401	22354	22312	22275
10.0	21997	22009	22027	22054	22089	22133	22184	22122	22069	22023
12.5	21708	21713	21728	21755	21794	21845	21908	21832	21768	21717
15.0	21373	21361	21365	21382	21419	21475	21549	21459	21387	21335
17.5	20972	20934	20916	20921	20951	21007	21090	20987	20912	20864
20.0	20508	20443	20403	20396	20424	20488	20587	20464	20376	20326
22.5	19987	19891	19830	19806	19828	19895	20007	19866	19771	19721
25.0	19410	19276	19187	19146	19155	19222	19346	19188	19089	19048
27.5	18779	18605	18484	18417	18413	18473	18604	18433	18334	18301
30.0	17949	17896	17731	17635	17612	17668	17806	17621	17519	17499
32.5	17035	17130	16938	16809	16765	16810	16950	16757	16661	16656
35.0	16109	16170	16115	15956	15886	15915	16052	15857	15771	15785
37.5	15184	15213	15281	15087	14992	15008	15141	14948	14872	14908
40.0	14267	14261	14336	14223	14103	14100	14226	14035	13973	14032
42.5	13361	13325	13379	13360	13211	13191	13131	13122	13073	13155
45.0	12472	12404	12418	12505	12324	12284	12394	12210	12175	12285
47.5	11599	11485	11468	11583	11441	11381	11488	11306	11288	11356
50.0	10664	10570	10517	10594	10538	10448	10549	10370	10384	10370
52.5	9610	9657	9539	9577	9593	9467	9563	9379	9423	9343
55.0	8563	8637	8534	8515	8568	8382	8455	8284	8372	8261
57.5	7524	7532	7516	7421	7485	7267	7322	7168	7284	7154
60.0	6499	6455	6475	6338	6324	6148	6186	6012	6111	6022
62.5	5504	5353	5334	5178	5021	4780	4691	4604	4749	4877
65.0	4392	4276	4100	4001	3497	2907	2585	2650	3091	3560
67.5	3190	3184	2854	2521	1800	1209	996.4	1058	1477	2040
70.0	2085	2118	1650	1261	815.8	626.7	574.3	586.9	693.0	1020
72.5	1111	1212	853.3	622.5	488.1	448.0	435.4	429.6	443.3	526.9
75.0	520.7	579.0	471.1	367.9	328.4	326.5	326.8	316.4	312.3	335.8
77.5	348.1	289.5	272.8	232.6	204.4	213.1	230.3	217.2	213.3	223.0

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-06

V(β) Range:-75 - 75DEG

V(β) 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	209.3	187.6	161.2	133.3	111.7	111.3	147.9	135.9	132.0	134.0
82.5	91.23	98.08	89.22	69.58	56.20	48.91	77.93	64.69	62.80	66.93
85.0	0	20.89	30.09	31.54	24.38	20.47	17.14	19.59	19.25	25.88
87.5	0	0	0	0	10.13	11.63	7.239	7.493	5.586	0
90.0	0	0	0	0	0	0	7.222	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	22664	22664	22664	22664	22664	22664	22664	22664	22664	22664
2.5	22578	22565	22553	22542	22531	22521	22512	22505	22498	22493
5.0	22440	22418	22398	22381	22365	22350	22337	22327	22318	22312
7.5	22243	22215	22191	22172	22156	22144	22135	22129	22124	22119
10.0	21986	21957	21935	21921	21911	21907	21905	21906	21911	21916
12.5	21678	21652	21636	21628	21628	21636	21651	21665	21682	21698
15.0	21303	21285	21283	21290	21310	21337	21367	21403	21438	21471
17.5	20840	20842	20865	20901	20947	21001	21063	21122	21130	21061
20.0	20311	20331	20380	20449	20535	20630	20617	20527	20452	20394
22.5	19719	19757	19834	19943	20077	19973	19881	19808	19757	19713
25.0	19059	19119	19228	19379	19267	19179	19111	19067	19037	19020
27.5	18334	18428	18573	18501	18411	18352	18317	18299	18300	18313
30.0	17555	17685	17710	17605	17537	17506	17501	17516	17547	17593
32.5	16736	16888	16763	16690	16656	16652	16679	16723	16781	16859
35.0	15891	15906	15811	15769	15770	15800	15850	15921	15905	15895
37.5	15037	14931	14866	14856	14885	14945	14994	14956	14938	14935
40.0	14091	13972	13933	13954	14015	14053	14008	13985	13977	13983
42.5	13122	13031	13020	13071	13123	13057	13030	13026	13028	13038
45.0	12155	12097	12125	12206	12117	12074	12064	12078	12089	12102
47.5	11199	11172	11239	11198	11117	11099	11110	11137	11160	11174
50.0	10236	10253	10297	10173	10125	10135	10170	10209	10174	10094
52.5	9245	9317	9242	9148	9137	9176	9239	9151	9074	8997
55.0	8227	8275	8182	8131	8154	8206	8130	8050	7980	7906
57.5	7189	7171	7131	7123	7159	7079	7023	6960	6892	6821
60.0	6139	6060	6103	6129	6007	5960	5928	5876	5812	5741
62.5	4956	4962	5106	4966	4850	4849	4843	4803	4741	4680
65.0	3703	3894	3946	3808	3695	3743	3768	3777	3846	3861
67.5	2448	2788	2804	2667	2561	2645	2895	3028	3064	3052
70.0	1305	1755	1795	1556	1534	1971	2215	2299	2296	2251
72.5	657.3	976.5	896.6	754.2	1097	1402	1568	1590	1540	1457
75.0	386.9	468.0	391.3	513.6	726.3	889.3	952.4	899.2	794.3	669.9
77.5	236.8	242.5	267.4	320.5	408.3	432.9	365.3	223.3	194.2	184.6
80.0	141.9	153.4	158.9	160.8	133.7	106.6	93.81	81.14	66.70	49.60
82.5	75.19	73.27	61.88	51.27	34.25	14.37	0	0	0	0
85.0	18.90	13.79	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	22664	22664	22664	22664	22664	22664	22664	22664	22664	22664
2.5	22488	22484	22481	22479	22479	22477	22477	22479	22481	22485
5.0	22306	22301	22298	22294	22294	22291	22291	22291	22293	22297
7.5	22115	22115	22112	22110	22109	22104	22101	22099	22096	22095
10.0	21918	21922	21925	21926	21924	21918	21909	21900	21889	21877
12.5	21715	21726	21737	21741	21739	21730	21715	21695	21671	21647
15.0	21502	21527	21544	21555	21554	21541	21517	21484	21446	21403
17.5	21010	20971	20945	20930	20921	20915	20918	20925	20946	20982
20.0	20351	20323	20304	20295	20287	20279	20276	20278	20290	20313
22.5	19685	19668	19661	19659	19654	19644	19633	19625	19624	19635
25.0	19010	19009	19014	19022	19020	19007	18990	18970	18953	18947
27.5	18327	18345	18365	18383	18387	18371	18344	18311	18277	18250
30.0	17637	17676	17715	17744	17753	17735	17699	17648	17596	17546
32.5	16843	16827	16820	16822	16824	16818	16811	16809	16814	16832
35.0	15892	15884	15883	15890	15895	15882	15875	15875	15877	15886
37.5	14944	14943	14947	14957	14965	14963	14955	14947	14946	14940
40.0	13995	14002	14011	14024	14036	14034	14027	14022	14015	13999
42.5	13054	13065	13076	13092	13107	13107	13102	13102	13090	13069
45.0	12119	12130	12142	12160	12177	12181	12180	12183	12171	12147
47.5	11138	11092	11063	11052	11056	11066	11095	11146	11195	11232
50.0	10035	9985	9954	9937	9934	9942	9978	10028	10078	10144
52.5	8937	8883	8846	8823	8812	8819	8864	8914	8969	9033
55.0	7843	7784	7739	7709	7690	7697	7749	7802	7864	7928
57.5	6754	6690	6633	6596	6568	6576	6634	6693	6763	6831
60.0	5669	5601	5528	5483	5446	5455	5520	5589	5667	5737
62.5	4682	4665	4629	4608	4583	4585	4620	4651	4675	4662
65.0	3845	3813	3768	3742	3720	3725	3759	3802	3840	3847
67.5	3013	2963	2909	2877	2857	2864	2900	2954	3009	3041
70.0	2185	2116	2050	2012	1994	2004	2042	2108	2182	2241

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	1362	1271	1192	1147	1131	1142	1186	1263	1358	1448
75.0	542.7	427.5	334.3	282.8	267.9	281.1	330.1	421.1	536.9	662.3
77.5	169.6	153.8	139.4	134.4	134.0	133.6	137.3	150.2	165.5	179.6
80.0	32.47	18.15	7.841	1.974	0	1.962	7.719	17.73	31.67	48.24
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	22664	22664	22664	22664	22664	22664	22664	22664	22664	22664
2.5	22489	22495	22501	22510	22519	22529	22540	22552	22565	22579
5.0	22301	22309	22317	22326	22338	22353	22370	22390	22413	22439
7.5	22093	22094	22099	22106	22116	22131	22150	22175	22205	22238
10.0	21868	21858	21853	21854	21855	21864	21880	21904	21935	21975
12.5	21622	21600	21579	21563	21554	21553	21562	21582	21614	21659
15.0	21360	21316	21276	21242	21218	21204	21199	21203	21223	21257
17.5	21032	21012	20950	20896	20845	20798	20759	20742	20747	20777
20.0	20354	20416	20504	20513	20410	20327	20263	20222	20212	20234
22.5	19663	19713	19777	19847	19936	19807	19707	19637	19608	19621
25.0	18959	18986	19010	19062	19137	19231	19092	18993	18942	18944
27.5	18239	18225	18228	18251	18292	18371	18434	18302	18223	18198
30.0	17501	17457	17429	17419	17438	17496	17590	17563	17450	17404
32.5	16750	16678	16621	16587	16582	16608	16668	16784	16642	16569
35.0	15889	15898	15816	15758	15722	15711	15743	15827	15815	15715
37.5	14933	14943	14981	14932	14861	14822	14819	14877	14973	14850
40.0	13987	13984	14006	14058	14016	13940	13907	13936	14047	13990
42.5	13047	13034	13040	13067	13138	13074	13010	13011	13096	13126
45.0	12117	12092	12077	12085	12131	12225	12126	12091	12139	12263
47.5	11195	11159	11122	11106	11127	11208	11249	11168	11184	11324
50.0	10208	10236	10178	10138	10129	10180	10305	10244	10216	10322
52.5	9096	9167	9242	9173	9135	9152	9238	9312	9225	9289
55.0	7991	8055	8120	8196	8148	8131	8181	8281	8212	8212
57.5	6892	6954	7007	7060	7151	7122	7130	7176	7196	7127
60.0	5806	5863	5901	5930	5992	6133	6103	6068	6168	6016
62.5	4727	4779	4805	4807	4835	4959	5104	4947	4968	4849
65.0	3831	3745	3722	3691	3663	3789	3941	3849	3672	3524
67.5	3050	2999	2846	2584	2520	2644	2770	2716	2399	2037
70.0	2284	2275	2171	1926	1484	1532	1764	1699	1267	1008
72.5	1530	1572	1535	1375	1060	726.1	878.0	941.8	639.1	529.6
75.0	787.2	887.8	932.1	875.6	701.8	495.9	383.3	461.0	379.8	332.7
77.5	190.0	220.1	358.2	423.8	396.3	311.4	263.4	241.2	235.2	221.9
80.0	65.27	79.95	92.44	105.1	132.2	158.2	158.0	153.4	142.6	135.0
82.5	0	0	0	14.17	34.08	51.36	63.16	74.93	76.50	68.97
85.0	0	0	0	0	0	0	0	14.54	20.48	27.19
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	22664	22664								
2.5	22594	22609								
5.0	22467	22497								
7.5	22276	22320								
10.0	22024	22082								
12.5	21713	21780								
15.0	21312	21388								
17.5	20833	20917								
20.0	20292	20388								
22.5	19679	19782								
25.0	18993	19102								
27.5	18238	18346								
30.0	17431	17539								
32.5	16583	16684								
35.0	15706	15797								
37.5	14818	14895								
40.0	13933	13996								
42.5	13047	13097								
45.0	12153	12183								
47.5	11246	11258								
50.0	10317	10306								
52.5	9338	9296								
55.0	8287	8201								
57.5	7210	7098								
60.0	6040	5900								
62.5	4616	4382								

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	2923	2384
67.5	1416	963.2
70.0	694.4	571.2
72.5	443.1	412.5
75.0	309.8	301.8
77.5	210.1	207.7
80.0	130.0	129.9
82.5	63.17	63.40
85.0	21.25	20.35
87.5	6.258	7.560
90.0	0	0

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

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: