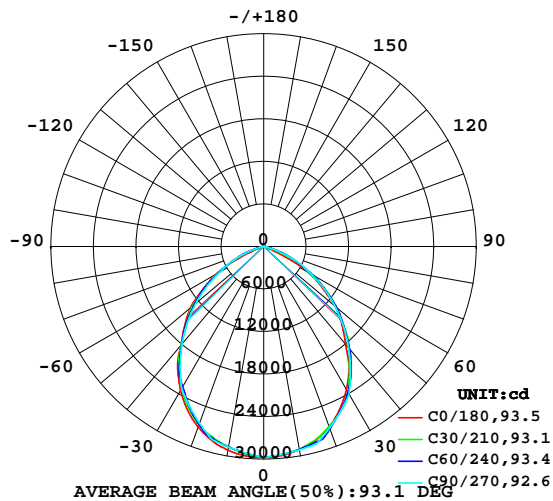


LUMINAIRE PHOTOMETRIC TEST REPORT

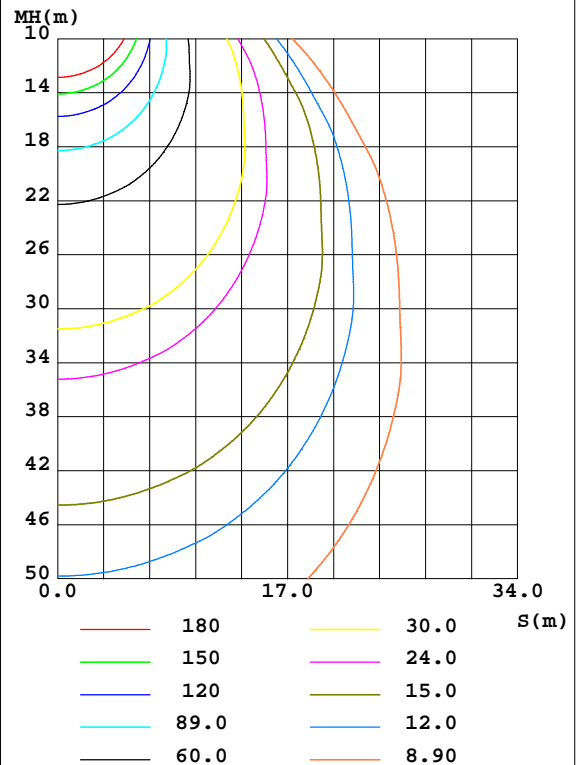
Test:U:119.89V I:3.3018A P:395.10W PF:0.9981 Freq:59.98Hz Lamp Flux:62327.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:400W/5000K/Ra≥70	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 157.75 lm/W			
MODEL	GHSL-64-U	Imax(cd)	29768	S/MH(C0/180)	1.18
NOMINAL POWER(W)	400	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	62328	η UP,DN(C0-180)	0.0,50.7
NOMINAL FLUX(lm)	62327.6	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.3
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:2024-11-07

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [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	2908	2901	2913	2898	2916	2869	2873	2871	0- 10	2792	2792	4.48,4.48
20	2705	2763	2724	2738	2707	2690	2652	2704	10- 20	7939	10731	17.2,17.2
30	2333	2354	2408	2344	2346	2292	2316	2296	20- 30	11621	22353	35.9,35.9
40	1798	1902	1863	1900	1816	1852	1791	1842	30- 40	13093	35446	56.9,56.9
50	1316	1312	1316	1320	1347	1289	1252	1260	40- 50	12097	47544	76.3,76.3
60	714.1	753.0	768.7	759.7	762.2	727.5	699.0	712.8	50- 60	9128	56671	90.9,90.9
70	74.00	272.5	291.5	268.6	80.19	233.9	260.4	235.7	60- 70	4641	61312	98.4,98.4
80	20.54	22.05	0	20.31	23.61	16.76	0	17.63	70- 80	978.8	62291	99.9,99.9
90	0.9051	0	0	0	0.8741	0	0	0	80- 90	36.67	62328	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): 41740 lm

%lum = 67.0%

%lamp = 67.0%

Conical surface Flux(120deg): 56671 lm

%lum = 90.9%

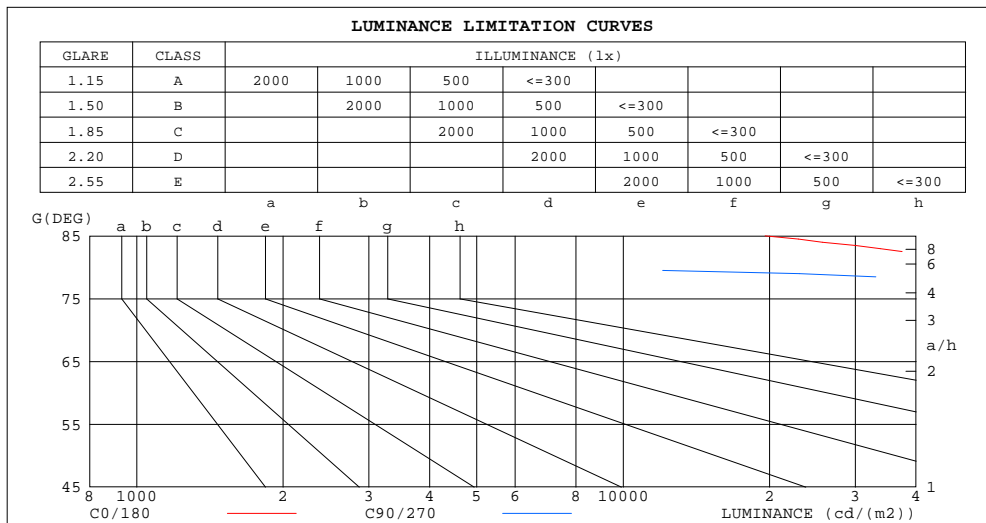
%lamp = 90.9%

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-07

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.89V I:3.3018A P:395.10W PF:0.9981 Freq:59.98Hz Lamp Flux:62327.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:400W/5000K/Ra≥70	DIM.: 230*530mm	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	19582	0
80	49282	0
75	70246	84936
70	90153	355075
65	239599	522661
60	595071	640571
55	730812	757442
50	852937	853339
45	920003	937168

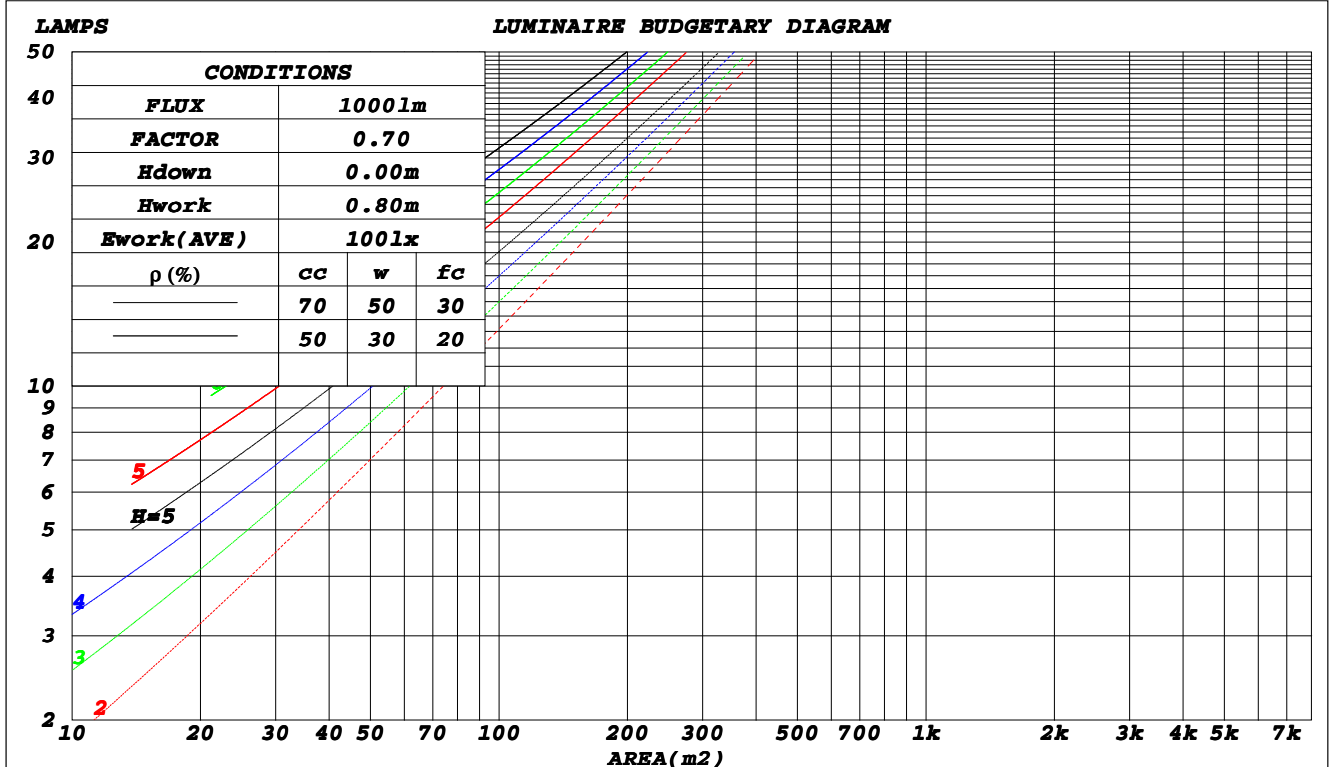
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-07

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.89V I:3.3018A P:395.10W PF:0.9981 Freq:59.98Hz Lamp Flux:62327.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:400W/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	.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	.54	.64	.59	.54	.63	.57	.53	.51
6.0	.63	.55	.49	.62	.54	.49	.60	.53	.48	.59	.53	.48	.57	.52	.48	.46
7.0	.57	.49	.44	.57	.49	.44	.55	.48	.43	.54	.48	.43	.52	.47	.43	.41
8.0	.53	.45	.39	.52	.44	.39	.51	.44	.39	.50	.43	.39	.48	.43	.39	.37
9.0	.49	.41	.36	.48	.41	.36	.47	.40	.35	.46	.40	.35	.45	.39	.35	.33
10.0	.45	.38	.33	.44	.37	.32	.43	.37	.32	.43	.37	.32	.42	.36	.32	.30



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-07

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:119.89V I:3.3018A P:395.10W PF:0.9981 Freq:59.98Hz Lamp Flux:62327.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:400W/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	.246	.140	.044	.239	.136	.043	.226	.130	.041	.214	.123	.040	.203	.118	.038		
2.0	.241	.132	.041	.235	.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	.112	.033	.204	.108	.032	.196	.105	.032	.189	.103	.031		
5.0	.205	.104	.030	.201	.103	.030	.193	.101	.030	.186	.098	.029	.179	.096	.029		
6.0	.193	.097	.028	.189	.096	.028	.182	.093	.027	.176	.091	.027	.170	.089	.027		
7.0	.182	.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	.158	.080	.023	.153	.078	.023		
9.0	.162	.078	.022	.159	.078	.022	.154	.076	.022	.149	.075	.021	.145	.074	.021		
10.0	.153	.073	.020	.151	.073	.020	.146	.072	.020	.142	.071	.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	.047	.029	.015	.015	.009	.005	
7.0	.129	.074	.036	.111	.064	.031	.077	.045	.022	.045	.027	.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:2024-11-07

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.89V I:3.3018A P:395.10W PF:0.9981 Freq:59.98Hz Lamp Flux:62327.6x1 lm										
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:400W/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	21.2	22.5	21.4	22.7	22.9	21.3	22.7	21.6	22.9	23.1
3H	21.2	22.5	21.5	22.7	22.9	21.9	23.1	22.2	23.4	23.6
4H	21.2	22.3	21.5	22.6	22.8	21.9	23.1	22.2	23.3	23.5
6H	21.1	22.2	21.4	22.4	22.7	21.8	22.9	22.1	23.1	23.4
8H	21.0	22.1	21.3	22.3	22.6	21.7	22.8	22.1	23.1	23.3
12H	21.0	22.0	21.3	22.3	22.6	21.7	22.7	22.0	23.0	23.3
4H 2H	21.4	22.6	21.7	22.9	23.1	21.6	22.8	21.9	23.0	23.3
3H	21.6	22.6	22.0	22.9	23.2	22.3	23.3	22.6	23.6	23.9
4H	21.6	22.5	21.9	22.8	23.1	22.3	23.2	22.7	23.5	23.8
6H	21.5	22.3	21.9	22.6	23.0	22.2	23.0	22.6	23.4	23.7
8H	21.4	22.2	21.8	22.5	22.9	22.2	22.9	22.6	23.3	23.6
12H	21.4	22.1	21.8	22.5	22.9	22.1	22.8	22.5	23.2	23.6
8H 4H	21.5	22.3	21.9	22.6	23.0	22.2	23.0	22.6	23.3	23.7
6H	21.5	22.1	21.9	22.5	22.9	22.1	22.8	22.6	23.2	23.6
8H	21.4	22.0	21.9	22.4	22.8	22.1	22.6	22.6	23.1	23.5
12H	21.4	21.8	21.9	22.3	22.8	22.1	22.5	22.5	23.0	23.4
12H 4H	21.5	22.2	21.9	22.5	22.9	22.2	22.9	22.6	23.2	23.6
6H	21.4	22.0	21.9	22.4	22.8	22.1	22.6	22.6	23.1	23.5
8H	21.4	21.8	21.9	22.3	22.8	22.1	22.5	22.5	23.0	23.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.8 / - 1.0					+ 0.5 / - 0.6				
1.5H	+ 0.4 / - 1.0					+ 0.2 / - 0.4				
2.0H	+ 1.0 / - 1.2					+ 0.9 / - 1.3				

CIE Pub.117, 62328 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 14.4$)
Area: 0.024 m²

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-07

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.89V I:3.3018A P:395.10W PF:0.9981 Freq:59.98Hz Lamp Flux:62327.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:400W/5000K/Ra≥70	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

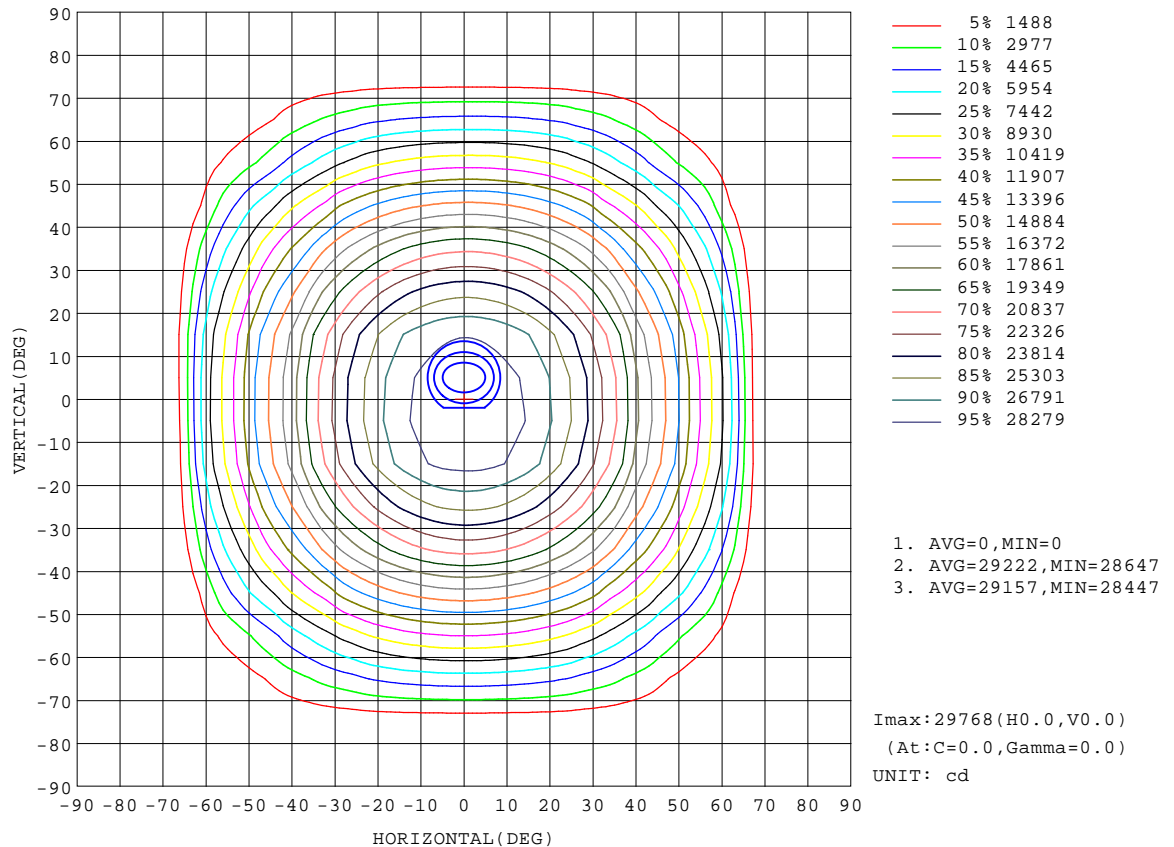
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	64	54	47	63	53	47	62	53	47	41
0.80	75	64	58	74	64	58	72	63	57	51
1.00	83	74	67	82	73	67	80	74	66	60
1.25	90	81	75	88	80	75	86	79	74	68
1.50	94	86	80	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:2024-11-07

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:119.89V I:3.3018A P:395.10W PF:0.9981 Freq:59.98Hz Lamp Flux:62327.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:400W/5000K/Ra≥70	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



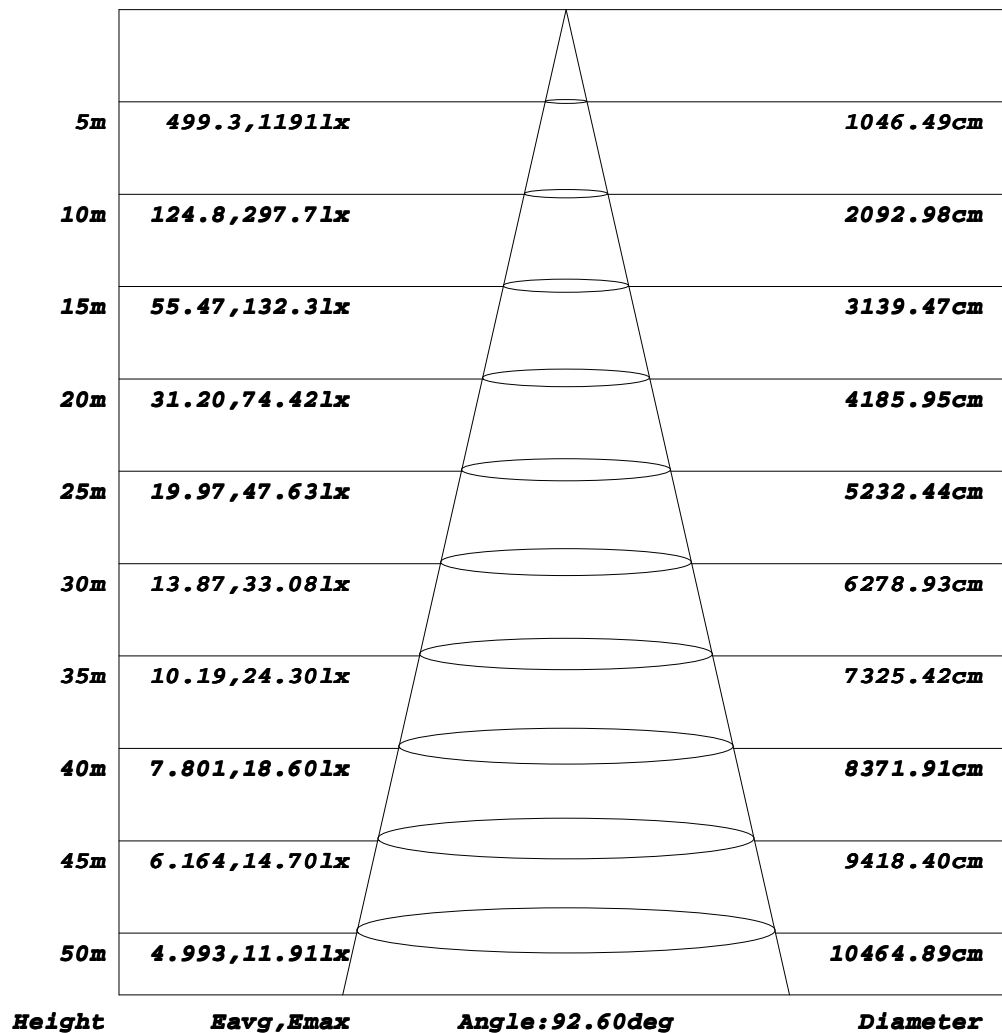
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-07

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

AAI Figure

Test:U:119.89V I:3.3018A P:395.10W PF:0.9981 Freq:59.98Hz Lamp Flux:62327.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:400W/5000K/Ra≥70	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:43543 lm



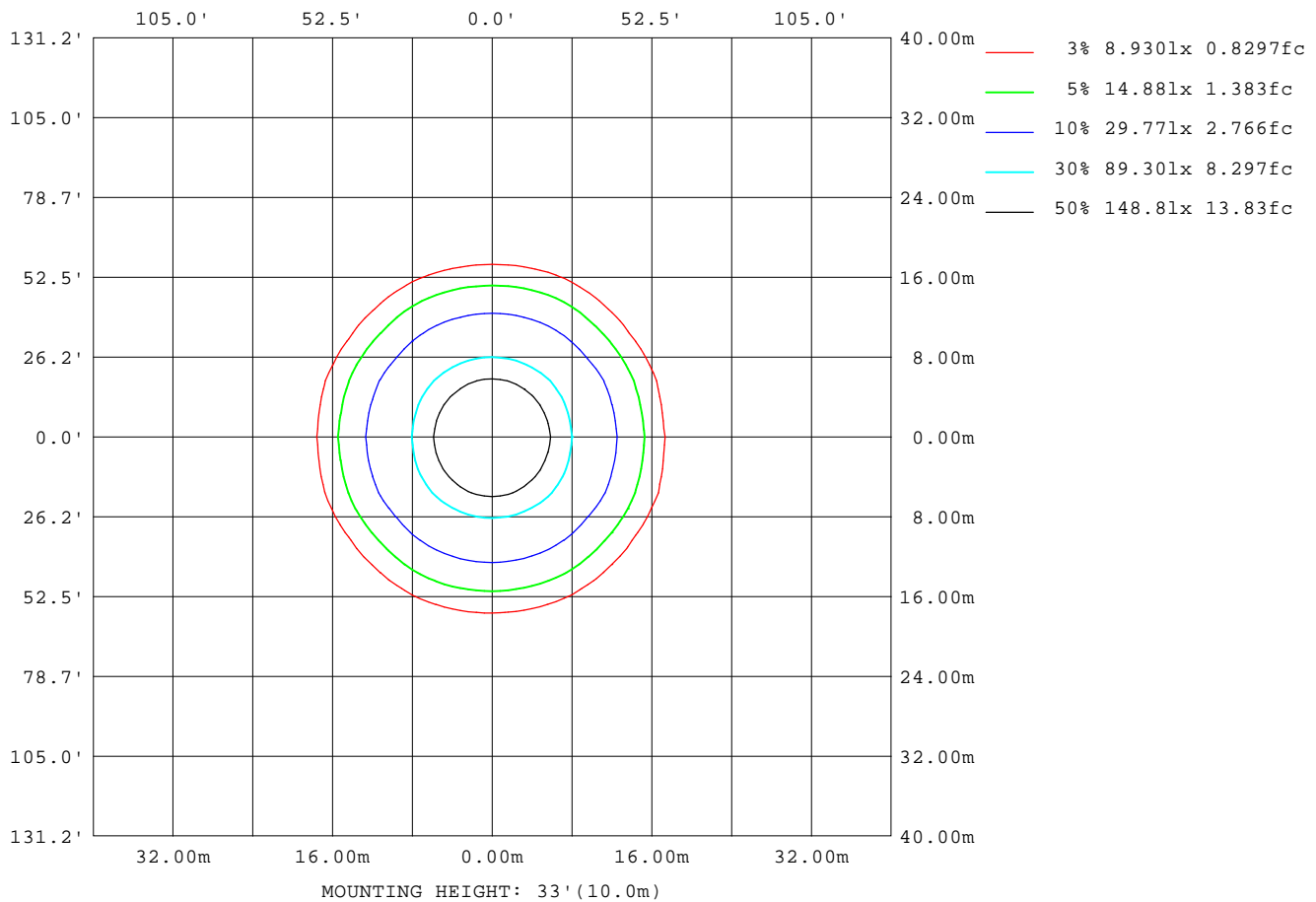
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessy
Test Date: 2024-11-07

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65%
Test Distance: 6.898m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:119.89V I:3.3018A P:395.10W PF:0.9981 Freq:59.98Hz Lamp Flux:62327.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:400W/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:2024-11-07

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:119.89V I:3.3018A P:395.10W PF:0.9981 Freq:59.98Hz Lamp Flux:62327.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:400W/5000K/Ra≥70	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

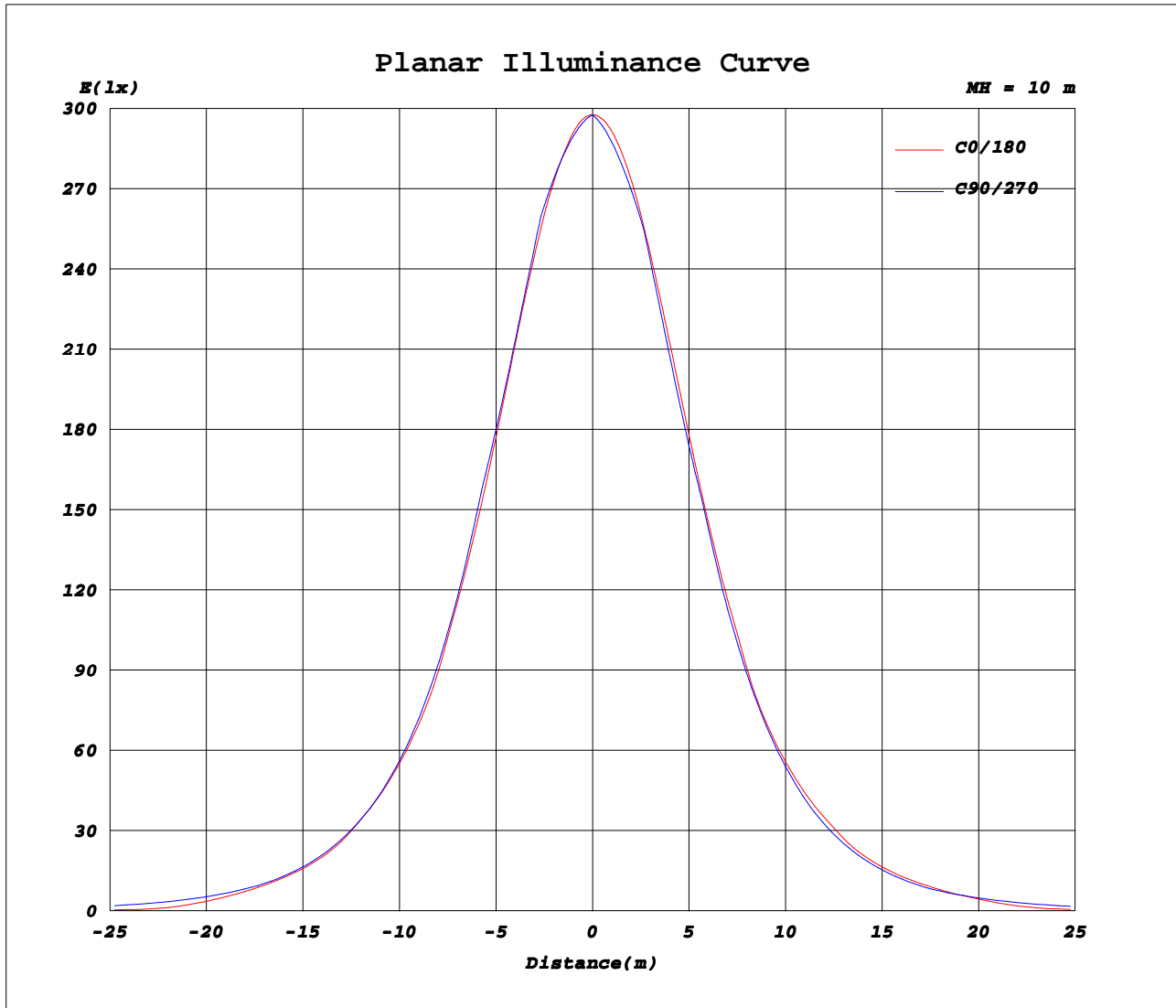
AvgL	cd/m2
L_0~180(65)av	284553
L_0~180(75)av	73116
L_0~180(85)av	23862
L_90~270(65)av	497780
L_90~270(75)av	75569
L_90~270(85)av	0
L_45(65)av	461237
L_45(75)av	192974
L_45(85)av	0

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:2024-11-07

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [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:2024-11-07

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [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	29768	29768	29768	29768	29768	29768	29768	29768	29768	29768
2.5	29724	29711	29700	29688	29678	29669	29660	29653	29645	29638
5.0	29597	29575	29556	29540	29526	29515	29507	29501	29494	29487
7.5	29374	29347	29326	29311	29301	29294	29292	29294	29297	29294
10.0	29085	29052	29029	29015	29011	29016	29025	29010	29004	29008
12.5	28753	28713	28686	28674	28677	28673	28649	28639	28644	28662
15.0	28305	28275	28268	28280	28289	28236	28215	28213	28232	28309
17.5	27713	27687	27695	27735	27693	27658	27660	27714	27856	27986
20.0	27050	27026	27046	27064	26979	26949	27000	27207	27421	27629
22.5	26259	26248	26296	26250	26158	26132	26374	26648	26936	26773
25.0	25368	25370	25445	25318	25218	25361	25681	26032	25824	25661
27.5	24387	24410	24495	24291	24206	24544	24935	24811	24619	24516
30.0	23332	23381	23407	23187	23274	23685	23782	23537	23419	23544
32.5	22201	22285	22251	22019	22307	22767	22450	22245	22409	22584
35.0	21010	21138	21035	20850	21323	21396	21096	21189	21414	21474
37.5	19529	19817	19644	19698	20326	20000	19892	20154	20264	20262
40.0	17976	18262	18008	18292	18827	18461	18795	19037	19007	19020
42.5	16783	17015	16680	17061	17079	16991	17605	17692	17730	17726
45.0	15613	15890	15458	16044	15646	15797	16067	16136	16372	16418
47.5	14412	14669	14348	14817	14354	14751	14661	14681	14989	14779
50.0	13158	13396	13249	13401	13250	13447	13359	13387	13253	13117
52.5	11489	11805	11895	11821	12106	12056	12072	11907	11611	11793
55.0	10060	10238	10518	10098	10606	10555	10682	10331	10397	10508
57.5	8682	8802	9273	8913	9032	9143	9033	8961	9185	8981
60.0	7141	7236	7678	7770	7630	7738	7494	7692	7618	7530
62.5	5088	5245	5794	6292	6382	6118	6370	6147	6132	6302
65.0	2430	2816	3525	4453	4902	4854	4987	4721	4900	4960
67.5	1008	1338	1968	2714	3068	3704	3445	3556	3476	3505
70.0	740.0	839.2	1106	1599	1872	2245	2397	2199	2155	2725
72.5	576.0	634.5	640.7	734.7	1016	1380	1288	1156	1670	2046
75.0	436.3	450.6	471.4	513.6	570.6	730.9	618.4	884.7	1138	1292
77.5	314.0	301.8	293.9	303.5	375.5	388.9	457.9	536.0	639.2	669.2
80.0	205.4	181.8	168.7	200.1	227.2	269.2	278.2	295.5	266.8	220.5
82.5	117.3	83.20	89.43	107.8	134.8	153.1	150.3	114.1	73.05	29.78
85.0	40.96	48.84	50.12	59.03	64.86	38.33	0	0	0	0
87.5	9.273	24.74	23.22	0	0	0	0	0	0	0
90.0	9.051	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	29768	29768	29768	29768	29768	29768	29768	29768	29768	29768
2.5	29631	29626	29621	29618	29614	29611	29608	29607	29607	29605
5.0	29483	29478	29472	29467	29462	29458	29454	29449	29446	29439
7.5	29290	29288	29289	29291	29292	29293	29291	29290	29290	29283
10.0	29016	29031	29051	29072	29094	29112	29123	29128	29133	29130
12.5	28691	28740	28802	28858	28909	28948	28966	28972	28970	28959
15.0	28401	28492	28582	28663	28733	28790	28813	28817	28808	28784
17.5	28113	28238	28274	28188	28127	28088	28064	28035	28023	28018
20.0	27624	27477	27370	27298	27258	27240	27237	27237	27238	27241
22.5	26625	26512	26431	26412	26421	26437	26450	26454	26448	26436
25.0	25550	25557	25582	25602	25629	25655	25672	25672	25658	25626
27.5	24594	24672	24738	24772	24782	24811	24840	24861	24871	24848
30.0	23669	23759	23766	23798	23854	23925	23996	24046	24084	24074
32.5	22644	22656	22709	22797	22770	22750	22732	22719	22720	22714
35.0	21484	21538	21514	21491	21460	21430	21402	21375	21357	21329
37.5	20290	20255	20225	20201	20121	20054	20015	19996	19993	19985
40.0	18998	18981	18873	18766	18690	18637	18613	18614	18630	18645
42.5	17725	17546	17413	17320	17298	17283	17269	17265	17267	17271
45.0	16214	16067	16024	16025	16009	15973	15941	15919	15904	15896
47.5	14698	14754	14775	14767	14686	14607	14555	14537	14534	14540
50.0	13427	13525	13457	13343	13256	13195	13157	13152	13164	13186
52.5	12175	12075	11982	11892	11858	11832	11805	11795	11796	11808
55.0	10508	10539	10571	10542	10505	10465	10439	10427	10428	10428
57.5	8928	9177	9274	9276	9201	9136	9087	9061	9057	9070
60.0	7692	7883	7878	7866	7799	7742	7702	7681	7687	7713
62.5	6421	6427	6380	6470	6511	6513	6502	6491	6494	6507
65.0	4961	5044	5199	5400	5404	5374	5337	5311	5301	5306
67.5	3834	4127	4225	4333	4278	4210	4150	4116	4108	4118
70.0	3042	3196	3183	3207	3127	3037	2961	2920	2915	2931
72.5	2158	2212	2143	2104	1999	1883	1786	1734	1721	1737
75.0	1320	1295	1178	1047	890.6	737.6	613.5	548.4	527.6	543.0
77.5	582.4	424.7	383.1	360.1	331.9	300.7	274.7	266.0	263.8	263.2
80.0	190.1	162.9	131.7	96.72	63.55	35.49	15.44	3.909	0	3.868
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:2024-11-07

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411

Humidity:65%

Test Distance:6.898m [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	29768	29768	29768	29768	29768	29768	29768	29768	29768	29768
2.5	29605	29606	29608	29611	29613	29617	29622	29629	29636	29645
5.0	29435	29430	29427	29427	29428	29432	29437	29445	29456	29468
7.5	29277	29269	29261	29254	29248	29241	29234	29221	29213	29218
10.0	29122	29110	29098	29088	29079	29054	29020	28984	28946	28912
12.5	28941	28926	28915	28897	28867	28829	28778	28711	28646	28586
15.0	28756	28742	28706	28635	28560	28487	28422	28367	28313	28217
17.5	28032	28077	28109	28127	28157	28103	28000	27908	27833	27778
20.0	27253	27295	27311	27319	27339	27370	27415	27376	27249	27150
22.5	26434	26450	26456	26478	26513	26521	26536	26557	26582	26431
25.0	25600	25567	25537	25525	25539	25587	25639	25621	25612	25616
27.5	24807	24739	24656	24560	24511	24511	24554	24647	24611	24564
30.0	24023	23942	23843	23719	23577	23426	23393	23444	23554	23502
32.5	22715	22744	22797	22877	22700	22510	22314	22208	22281	22431
35.0	21314	21325	21357	21416	21505	21598	21363	21122	20986	21101
37.5	19977	19975	19962	19951	20019	20136	20312	20143	19851	19753
40.0	18658	18674	18674	18657	18624	18632	18781	19000	18845	18501
42.5	17288	17321	17362	17398	17369	17322	17258	17435	17716	17396
45.0	15906	15928	15961	16005	16064	16086	16006	15862	16050	16197
47.5	14556	14574	14584	14597	14641	14702	14777	14541	14269	14473
50.0	13217	13246	13268	13274	13261	13259	13251	13205	12940	12907
52.5	11836	11874	11926	11973	11961	11898	11608	11624	11728	11596
55.0	10443	10468	10506	10550	10585	10586	10287	10136	10253	10390
57.5	9092	9111	9121	9115	9075	9114	9012	8892	8791	8848
60.0	7751	7787	7813	7813	7672	7586	7539	7597	7539	7273
62.5	6528	6548	6555	6535	6368	6298	6141	6117	6201	6071
65.0	5325	5355	5373	5365	5184	5098	4935	4787	4625	4821
67.5	4149	4197	4227	4217	4094	4049	3837	3605	3367	3358
70.0	2979	3055	3125	3163	3108	3067	2876	2686	2287	2140
72.5	1798	1900	2011	2116	2161	2193	2092	1897	1577	1220
75.0	616.4	741.4	886.2	1038	1171	1299	1349	1303	1075	762.7
77.5	276.0	301.2	325.1	344.4	359.6	397.8	572.8	682.7	673.1	531.3
80.0	15.52	35.51	62.18	92.47	123.5	150.7	176.3	203.1	251.4	295.1
82.5	0	0	0	0	0	0	0	27.42	66.89	104.2
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	29768	29768	29768	29768	29768	29768	29768	29768	29768	29768
2.5	29654	29665	29677	29689	29703	29717	29732	29709	29686	29664
5.0	29482	29499	29519	29542	29568	29597	29628	29578	29531	29487
7.5	29228	29247	29274	29305	29344	29390	29443	29363	29290	29224
10.0	28882	28897	28925	28966	29020	29086	29163	29052	28953	28865
12.5	28532	28485	28492	28542	28608	28695	28800	28656	28530	28424
15.0	28126	28039	27967	27997	28079	28191	28329	28148	27993	27868
17.5	27654	27516	27398	27339	27432	27566	27739	27518	27337	27196
20.0	27087	26929	26759	26624	26691	26854	27067	26803	26587	26467
22.5	26327	26273	26054	25872	25858	26057	26322	26004	25751	25707
25.0	25468	25395	25267	25031	24906	25144	25464	25089	24796	24861
27.5	24516	24413	24401	24116	23888	24131	24498	24073	23773	23939
30.0	23433	23354	23321	23147	22861	23039	23460	22979	22740	22962
32.5	22312	22227	22173	22179	22179	22180	22330	21808	21653	21937
35.0	21196	21050	20975	21032	20660	20645	21163	20588	20538	20838
37.5	19931	19870	19701	19714	19356	19135	19812	19092	19256	19545
40.0	18466	18603	18156	18070	17865	17569	18160	17522	17773	17933
42.5	16834	17010	16790	16692	16703	16357	16921	16311	16605	16545
45.0	15570	15500	15662	15503	15659	15182	15780	15138	15566	15366
47.5	14558	14156	14501	14338	14484	14065	14641	14021	14391	14202
50.0	13377	13085	13112	13166	13225	12874	13468	12836	13140	13037
52.5	11748	12051	11519	11855	11630	11322	11956	11280	11549	11741
55.0	10176	10601	10056	10378	10039	9953	10410	9914	9958	10266
57.5	8921	8762	8908	8793	8617	8667	9025	8639	8559	8695
60.0	7613	7359	7723	7208	7316	7338	7622	7312	7264	7141
62.5	6145	6245	6053	5862	5866	5743	5828	5757	5849	5799
65.0	4837	4881	4527	4581	4034	3397	3342	3551	4162	4594
67.5	3661	3390	3335	2637	1795	1338	1393	1456	1978	2776
70.0	2289	2412	1729	1171	838.5	764.9	801.9	777.8	879.2	1249
72.5	1225	1336	917.5	772.5	636.9	564.1	614.8	563.1	644.1	795.1
75.0	610.3	649.0	582.6	455.4	428.1	442.5	472.0	444.9	442.5	465.9
77.5	408.2	376.4	343.5	325.3	280.7	303.7	345.8	324.1	318.2	343.8

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-07

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411

Humidity:65%

Test Distance:6.898m [K=1.0000]

Remarks:

Photometric Data Table [cd]

80.0	280.6	251.1	221.2	175.3	146.2	151.3	236.1	201.3	198.5	205.8
82.5	134.6	148.3	137.1	104.0	86.75	71.74	147.1	116.6	118.7	124.3
85.0	0	33.63	55.99	60.24	44.80	36.16	58.86	50.66	50.09	61.13
87.5	0	0	0	0	19.71	22.98	17.72	14.67	7.473	0
90.0	0	0	0	0	0	0	8.741	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	29768	29768	29768	29768	29768	29768	29768	29768	29768	29768
2.5	29643	29623	29605	29589	29573	29559	29547	29536	29528	29522
5.0	29446	29409	29376	29347	29322	29299	29282	29268	29256	29249
7.5	29167	29115	29071	29037	29008	28994	28989	28985	28983	28983
10.0	28790	28729	28680	28677	28679	28686	28694	28703	28713	28720
12.5	28335	28287	28291	28303	28323	28349	28379	28396	28403	28415
15.0	27793	27817	27855	27896	27942	27951	27962	27986	28020	28060
17.5	27205	27273	27359	27428	27432	27455	27492	27543	27553	27492
20.0	26546	26662	26766	26778	26825	26896	26878	26784	26708	26653
22.5	25828	25985	25983	26029	26125	26058	25988	25918	25857	25784
25.0	25035	25102	25114	25195	25143	25107	25076	24974	24874	24813
27.5	24160	24114	24155	24149	24138	24121	23985	23893	23840	23833
30.0	23074	23047	23071	23090	23085	22924	22822	22799	22886	22962
32.5	21918	21910	21955	22024	21827	21699	21739	21863	21982	22088
35.0	20717	20738	20845	20712	20550	20616	20778	20935	20803	20683
37.5	19464	19581	19596	19381	19424	19637	19731	19522	19371	19270
40.0	17975	18359	18187	18154	18424	18516	18256	18070	18020	18013
42.5	16605	16791	16592	17094	17316	17005	16785	16796	16796	16785
45.0	15478	15284	15318	15945	15716	15495	15561	15590	15525	15432
47.5	14328	13952	14301	14201	14001	14210	14358	14243	14144	14065
50.0	12942	12880	13134	12641	12666	12890	12901	12834	12792	12746
52.5	11376	11842	11529	11349	11451	11320	11330	11487	11495	11444
55.0	9916	10421	9961	10162	9985	9845	9982	10177	10135	10032
57.5	8774	8586	8715	8648	8545	8590	8683	8722	8645	8609
60.0	7597	7183	7411	7059	7276	7275	7194	7215	7243	7306
62.5	5930	6047	5928	5825	5915	5773	5789	5911	5940	6027
65.0	4382	4637	4608	4554	4302	4417	4569	4700	4789	4946
67.5	3192	3130	3445	3094	3002	3202	3490	3721	3767	3885
70.0	1660	2217	2113	1874	1906	2339	2583	2804	2845	2896
72.5	872.4	1225	1100	988.9	1298	1629	1866	1992	1960	1913
75.0	560.0	604.0	539.5	631.4	880.8	1115	1194	1163	1037	904.5
77.5	337.9	350.6	365.9	440.8	552.5	578.3	490.9	328.1	287.1	271.8
80.0	221.6	231.7	245.8	244.8	208.0	167.6	143.9	122.5	98.64	72.99
82.5	134.2	131.9	111.4	85.88	55.46	22.65	0	0	0	0
85.0	47.91	28.83	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	29768	29768	29768	29768	29768	29768	29768	29768	29768	29768
2.5	29515	29510	29507	29506	29507	29507	29509	29513	29519	29526
5.0	29243	29240	29241	29247	29249	29255	29261	29270	29280	29280
7.5	28982	28984	28984	28985	28987	28986	28987	28990	28994	29002
10.0	28726	28730	28732	28732	28727	28719	28710	28701	28694	28688
12.5	28429	28444	28457	28466	28468	28463	28451	28433	28410	28380
15.0	28101	28139	28170	28195	28209	28208	28194	28171	28136	28090
17.5	27447	27411	27388	27371	27367	27368	27385	27417	27470	27548
20.0	26613	26582	26556	26537	26524	26512	26513	26529	26565	26627
22.5	25730	25698	25683	25679	25682	25681	25680	25683	25692	25709
25.0	24786	24785	24795	24816	24840	24852	24856	24858	24860	24868
27.5	23877	23921	23955	23982	23999	23994	23983	23976	23984	24012
30.0	23028	23085	23126	23151	23158	23132	23098	23059	23038	23028
32.5	21979	21906	21859	21841	21845	21853	21873	21909	21963	22020
35.0	20593	20536	20512	20511	20533	20560	20595	20641	20700	20759
37.5	19247	19229	19221	19216	19237	19237	19268	19322	19409	19510
40.0	17995	17966	17945	17924	17913	17911	17926	17964	18033	18123
42.5	16720	16654	16618	16602	16601	16613	16636	16661	16690	16723
45.0	15364	15306	15278	15277	15288	15319	15360	15398	15440	15462
47.5	14015	13965	13927	13909	13906	13933	13982	14049	14146	14236
50.0	12693	12630	12577	12541	12524	12542	12581	12641	12726	12824
52.5	11350	11256	11186	11150	11140	11170	11221	11280	11337	11385
55.0	9938	9852	9787	9757	9755	9800	9872	9952	10026	10074
57.5	8557	8491	8425	8383	8373	8419	8495	8589	8695	8790
60.0	7244	7158	7072	7011	6990	7037	7113	7203	7310	7401
62.5	6018	5977	5932	5900	5893	5929	5980	6025	6054	6026
65.0	4922	4878	4830	4800	4797	4832	4892	4957	5012	5009
67.5	3859	3806	3748	3709	3700	3730	3790	3869	3950	4008
70.0	2832	2748	2669	2620	2604	2629	2686	2773	2865	2933

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-07

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411

Humidity:65%

Test Distance:6.898m [K=1.0000]

Remarks:

Photometric Data Table [cd]

72.5	1795	1680	1581	1524	1508	1530	1590	1692	1802	1888
75.0	749.1	608.3	492.0	428.1	411.2	430.5	496.2	617.2	758.2	901.2
77.5	253.2	233.4	213.4	205.8	205.6	207.0	215.4	238.3	259.7	279.9
80.0	48.44	27.54	12.00	3.024	0	3.042	12.11	28.12	49.70	75.20
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	29768	29768	29768	29768	29768	29768	29768	29768	29768	29768
2.5	29533	29542	29553	29565	29579	29593	29608	29625	29643	29662
5.0	29291	29305	29320	29337	29357	29378	29400	29425	29454	29485
7.5	29013	29027	29046	29069	29093	29112	29134	29161	29193	29229
10.0	28685	28687	28695	28713	28736	28772	28817	28841	28869	28908
12.5	28348	28315	28295	28296	28311	28341	28389	28453	28498	28539
15.0	28040	27983	27924	27868	27830	27854	27901	27973	28075	28119
17.5	27652	27643	27555	27469	27388	27304	27309	27365	27457	27557
20.0	26717	26839	27000	27039	26898	26755	26620	26633	26726	26873
22.5	25753	25854	25993	26171	26368	26160	25965	25802	25895	26052
25.0	24879	24890	24925	25071	25269	25515	25253	25020	24954	25120
27.5	24016	23995	23967	23935	24080	24316	24496	24196	23941	24095
30.0	23037	23075	23035	22961	22893	23064	23358	23334	23010	22996
32.5	21982	21976	22004	21992	21881	21782	22044	22418	22042	21826
35.0	20809	20854	20838	20879	20879	20721	20698	21056	21052	20652
37.5	19558	19598	19645	19663	19717	19673	19482	19642	20042	19456
40.0	18243	18353	18384	18415	18447	18540	18340	18057	18481	18037
42.5	16818	16950	17134	17142	17160	17127	17087	16598	16780	16855
45.0	15460	15499	15648	15835	15795	15523	15601	15446	15379	15839
47.5	14237	14207	14140	14200	14425	14174	14237	14401	14077	14599
50.0	12939	12994	12859	12596	12731	12939	12944	13091	12958	13152
52.5	11468	11568	11576	11308	11177	11495	11660	11690	11763	11549
55.0	10058	10056	9957	10074	9990	9902	10303	10134	10304	9868
57.5	8761	8703	8471	8566	8795	8540	8690	8816	8767	8695
60.0	7385	7436	7254	7128	7209	7325	7183	7445	7371	7527
62.5	5944	6006	5972	5901	5681	5830	6090	5858	6097	6037
65.0	4825	4661	4518	4548	4457	4415	4693	4588	4597	4103
67.5	3905	3800	3451	3074	3079	3248	3221	3423	2773	2414
70.0	2930	2926	2730	2357	1794	1922	2207	1983	1635	1426
72.5	1949	1996	1926	1756	1387	950.0	1159	1209	879.7	675.9
75.0	1038	1137	1157	1085	937.5	727.6	538.9	647.4	519.7	488.9
77.5	297.0	337.3	489.7	553.5	519.0	445.9	396.9	351.8	354.7	319.8
80.0	102.1	127.3	151.1	176.3	215.1	244.3	238.7	241.1	223.7	225.4
82.5	0	0	0	23.82	58.89	92.54	121.5	132.5	130.2	125.6
85.0	0	0	0	0	0	0	0	31.81	53.21	56.46
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	29768	29768								
2.5	29681	29702								
5.0	29520	29557								
7.5	29271	29320								
10.0	28957	29016								
12.5	28596	28668								
15.0	28161	28222								
17.5	27576	27628								
20.0	26918	26963								
22.5	26163	26182								
25.0	25312	25304								
27.5	24362	24344								
30.0	23278	23316								
32.5	22122	22220								
35.0	20900	21071								
37.5	19474	19731								
40.0	17865	18187								
42.5	16551	16949								
45.0	15320	15821								
47.5	14194	14591								
50.0	13071	13300								
52.5	11666	11703								
55.0	10338	10152								
57.5	9095	8715								
60.0	7484	7113								
62.5	5536	5076								

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-07

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411

Humidity:65%

Test Distance:6.898m [K=1.0000]

Remarks:

Photometric Data Table [cd]

65.0	3247	2665
67.5	1786	1256
70.0	1010	810.0
72.5	603.9	622.4
75.0	457.2	445.9
77.5	319.2	314.7
80.0	224.7	225.0
82.5	120.6	127.7
85.0	53.24	60.87
87.5	11.50	15.37
90.0	0	0

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-07

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks: