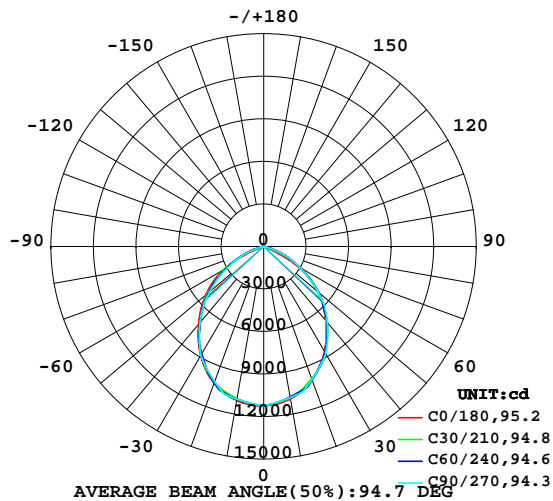


LUMINAIRE PHOTOMETRIC TEST REPORT

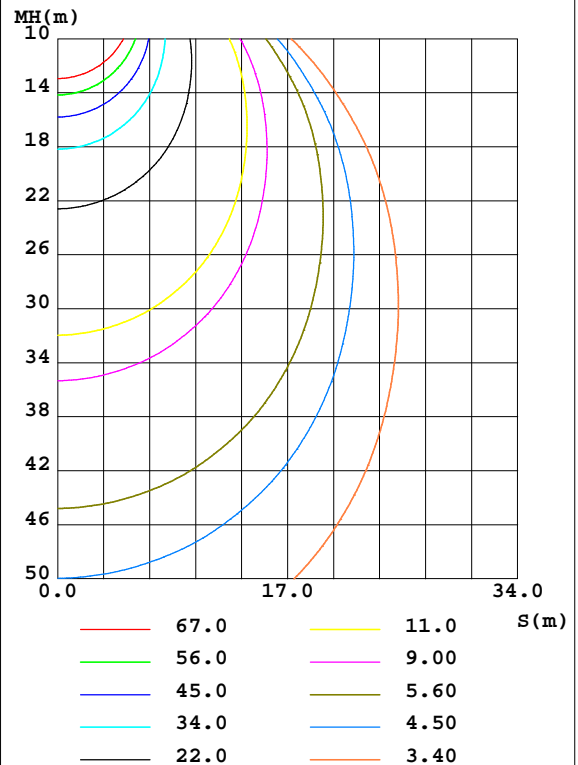
Test:U:120.00V I:1.2177A P:145.99W PF:0.9992 Freq:59.98Hz Lamp Flux:23833.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 163.25 lm/W			
MODEL	GHSL-24-U	Imax(cd)	11242	S/MH(C0/180)	1.18
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.18
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	23834	η UP,DN(C0-180)	0.0,50.0
NOMINAL FLUX(lm)	23833.7	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.0
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	1091	1079	1082	1083	1103	1091	1093	1085	0- 10	1052	1052	4.41,4.41
20	1002	1012	999.1	1014	1024	1028	1014	1021	10- 20	2977	4029	16.9,16.9
30	857.7	856.9	874.8	871.0	889.7	874.6	887.3	860.4	20- 30	4342	8371	35.1,35.1
40	681.5	690.3	699.6	711.0	715.5	705.6	698.9	688.1	30- 40	4903	13274	55.7,55.7
50	499.1	496.8	503.5	523.4	534.9	515.5	498.3	492.8	40- 50	4653	17927	75.2,75.2
60	268.0	290.7	286.6	319.1	326.6	311.6	285.3	291.8	50- 60	3617	21545	90.4,90.4
70	26.89	94.85	106.7	117.5	35.78	114.8	106.7	103.9	60- 70	1882	23426	98.3,98.3
80	5.863	6.673	0	7.801	8.830	7.285	0	6.995	70- 80	394.7	23821	99.9,99.9
90	0.4315	0	0	0	0.3674	0	0	0	80- 90	12.71	23834	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): 15678 lm

%lum = 65.8%

%lamp = 65.8%

Conical surface Flux(120deg): 21545 lm

%lum = 90.4%

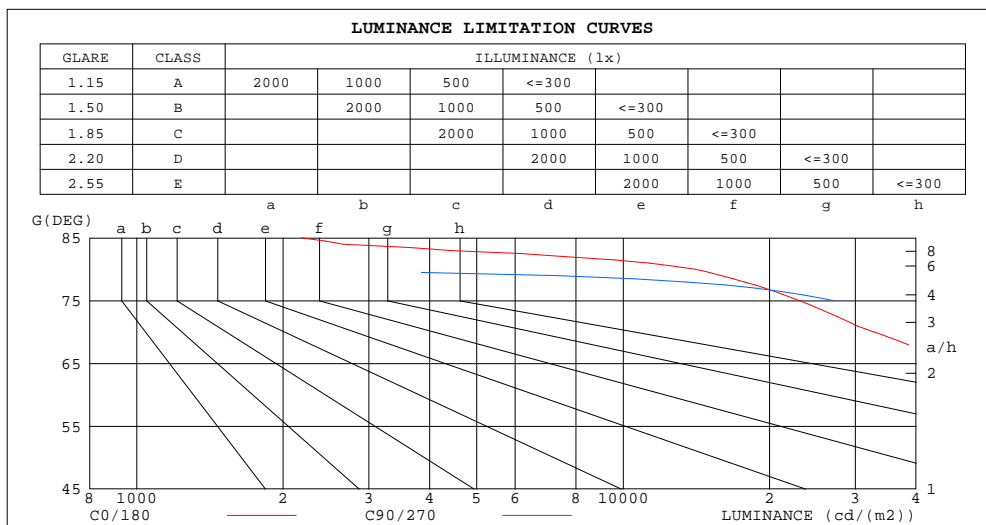
%lamp = 90.4%

$H(\beta)$ 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:120.00V I:1.2177A P:145.99W PF:0.9992 Freq:59.98Hz Lamp Flux:23833.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m ²)		
G(°)	C0/180	C90/270
85	2181	0
80	14069	0
75	23029	27088
70	32765	130027
65	78832	194231
60	223363	238857
55	283757	287318
50	323498	326372
45	348891	360838

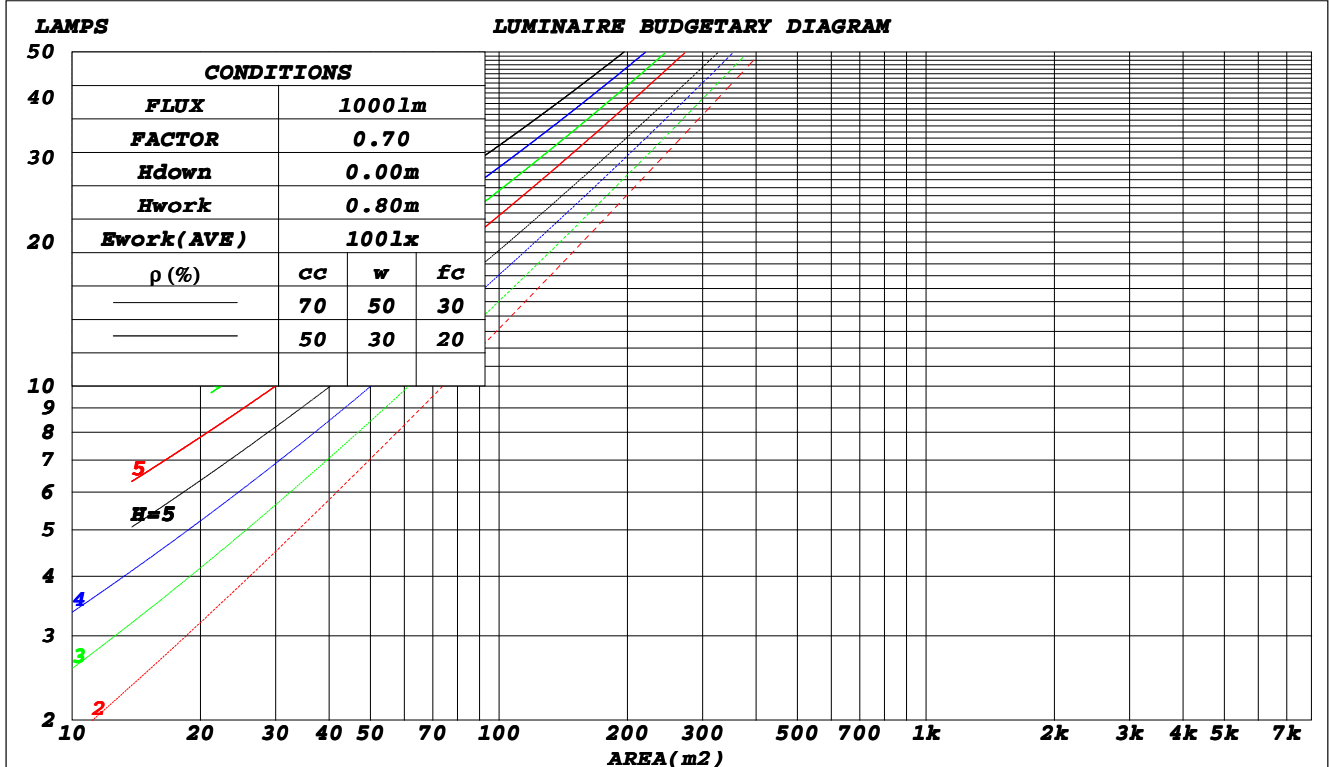
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-14

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:120.00V I:1.2177A P:145.99W PF:0.9992 Freq:59.98Hz Lamp Flux:23833.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/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															



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:120.00V I:1.2177A P:145.99W PF:0.9992 Freq:59.98Hz Lamp Flux:23833.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/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	.248	.141	.045	.241	.138	.044	.228	.131	.042	.216	.125	.040	.205	.119	.038		
2.0	.244	.134	.041	.238	.131	.040	.227	.126	.039	.216	.121	.038	.207	.117	.037		
3.0	.233	.124	.037	.227	.122	.037	.218	.118	.036	.208	.114	.035	.200	.111	.034		
4.0	.220	.114	.034	.215	.113	.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	.036	.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:2024-11-14

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:120.00V I:1.2177A P:145.99W PF:0.9992 Freq:59.98Hz Lamp Flux:23833.7x1 lm										
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:150W/5000K/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	21.1	22.4	21.3	22.6	22.8	21.2	22.6	21.5	22.8	23.0
3H	21.1	22.4	21.4	22.6	22.8	21.8	23.0	22.0	23.2	23.5
4H	21.0	22.2	21.3	22.4	22.7	21.7	22.9	22.0	23.2	23.4
6H	20.9	22.0	21.2	22.3	22.6	21.6	22.7	22.0	23.0	23.3
8H	20.9	21.9	21.2	22.2	22.5	21.6	22.6	21.9	22.9	23.2
12H	20.8	21.9	21.2	22.1	22.4	21.5	22.6	21.9	22.8	23.1
4H 2H	21.4	22.6	21.7	22.8	23.0	21.5	22.7	21.8	22.9	23.2
3H	21.5	22.5	21.8	22.8	23.1	22.2	23.2	22.5	23.5	23.8
4H	21.4	22.3	21.8	22.7	23.0	22.1	23.1	22.5	23.4	23.7
6H	21.3	22.1	21.7	22.5	22.8	22.1	22.9	22.4	23.2	23.6
8H	21.3	22.0	21.7	22.4	22.8	22.0	22.8	22.4	23.1	23.5
12H	21.2	21.9	21.7	22.3	22.7	22.0	22.7	22.4	23.0	23.4
8H 4H	21.4	22.1	21.8	22.5	22.9	22.1	22.8	22.5	23.2	23.6
6H	21.3	21.9	21.7	22.3	22.7	22.0	22.6	22.4	23.0	23.4
8H	21.3	21.8	21.7	22.2	22.7	21.9	22.5	22.4	22.9	23.3
12H	21.2	21.7	21.7	22.1	22.6	21.9	22.4	22.4	22.8	23.3
12H 4H	21.3	22.0	21.8	22.4	22.8	22.0	22.7	22.4	23.1	23.5
6H	21.3	21.8	21.7	22.2	22.7	21.9	22.5	22.4	22.9	23.4
8H	21.2	21.7	21.7	22.1	22.6	21.9	22.4	22.4	22.8	23.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.7 / - 0.8					+ 0.5 / - 0.6				
1.5H	+ 0.5 / - 1.1					+ 0.3 / - 0.5				
2.0H	+ 1.0 / - 1.3					+ 0.9 / - 1.3				

CIE Pub.117, 23834 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 11.0$)
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:120.00V I:1.2177A P:145.99W PF:0.9992 Freq:59.98Hz Lamp Flux:23833.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

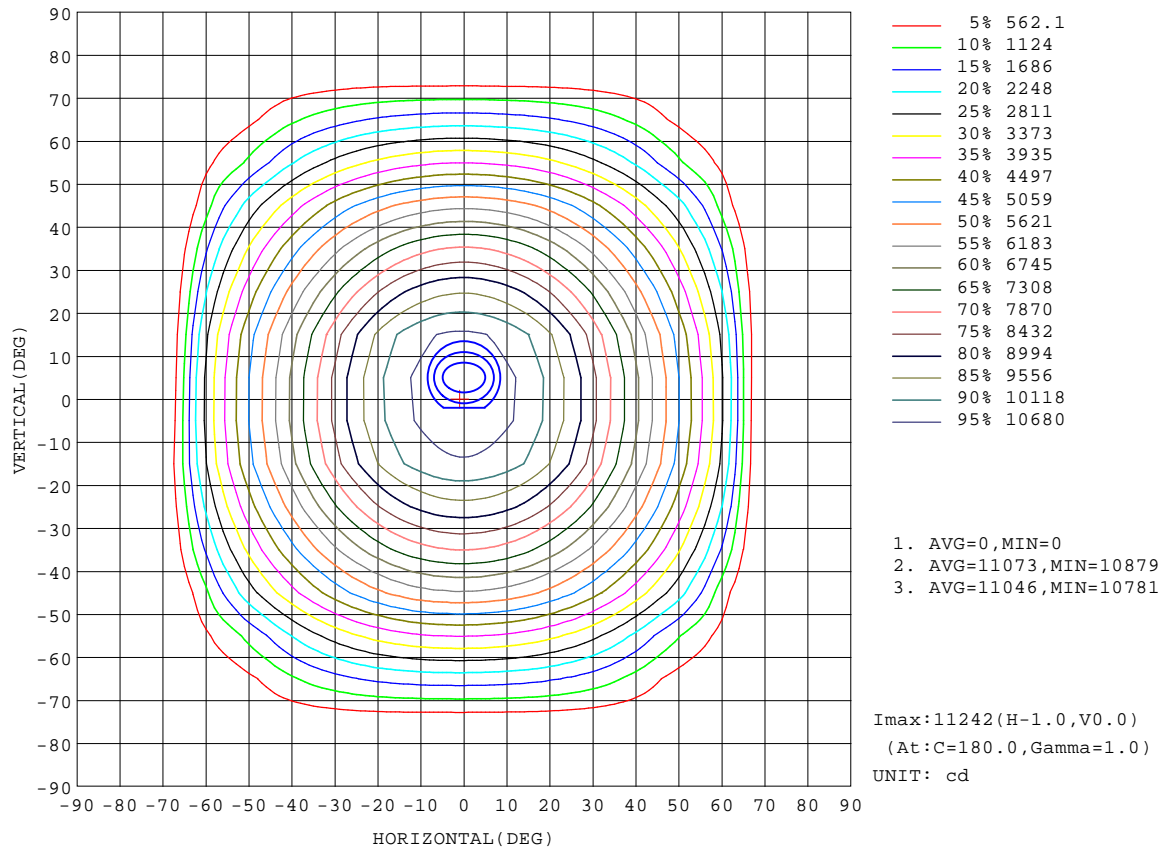
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	63	53	46	63	53	46	62	52	46	40
0.80	74	64	57	73	63	57	71	62	56	50
1.00	82	73	66	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:2024-11-14

$V(B)$ 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:120.00V I:1.2177A P:145.99W PF:0.9992 Freq:59.98Hz Lamp Flux:23833.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



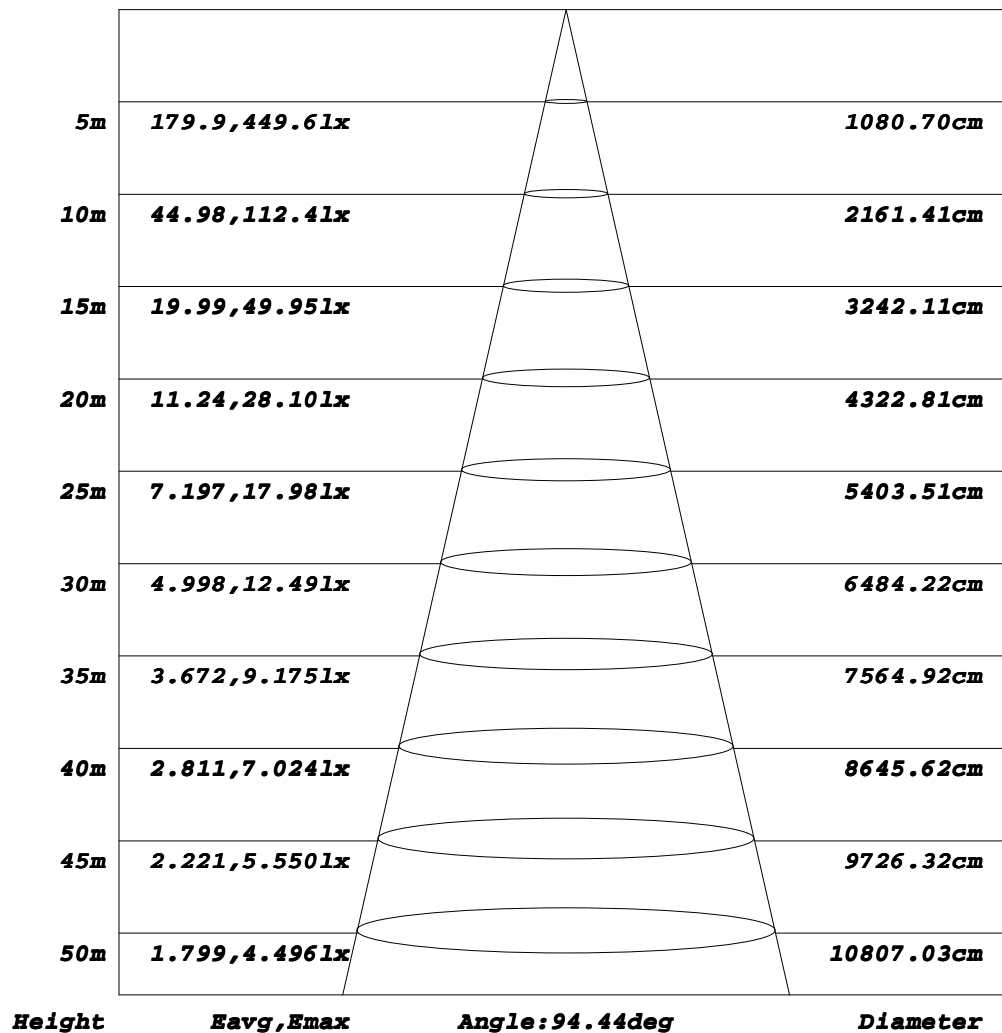
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-14

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:120.00V I:1.2177A P:145.99W PF:0.9992 Freq:59.98Hz Lamp Flux:23833.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:16829 lm



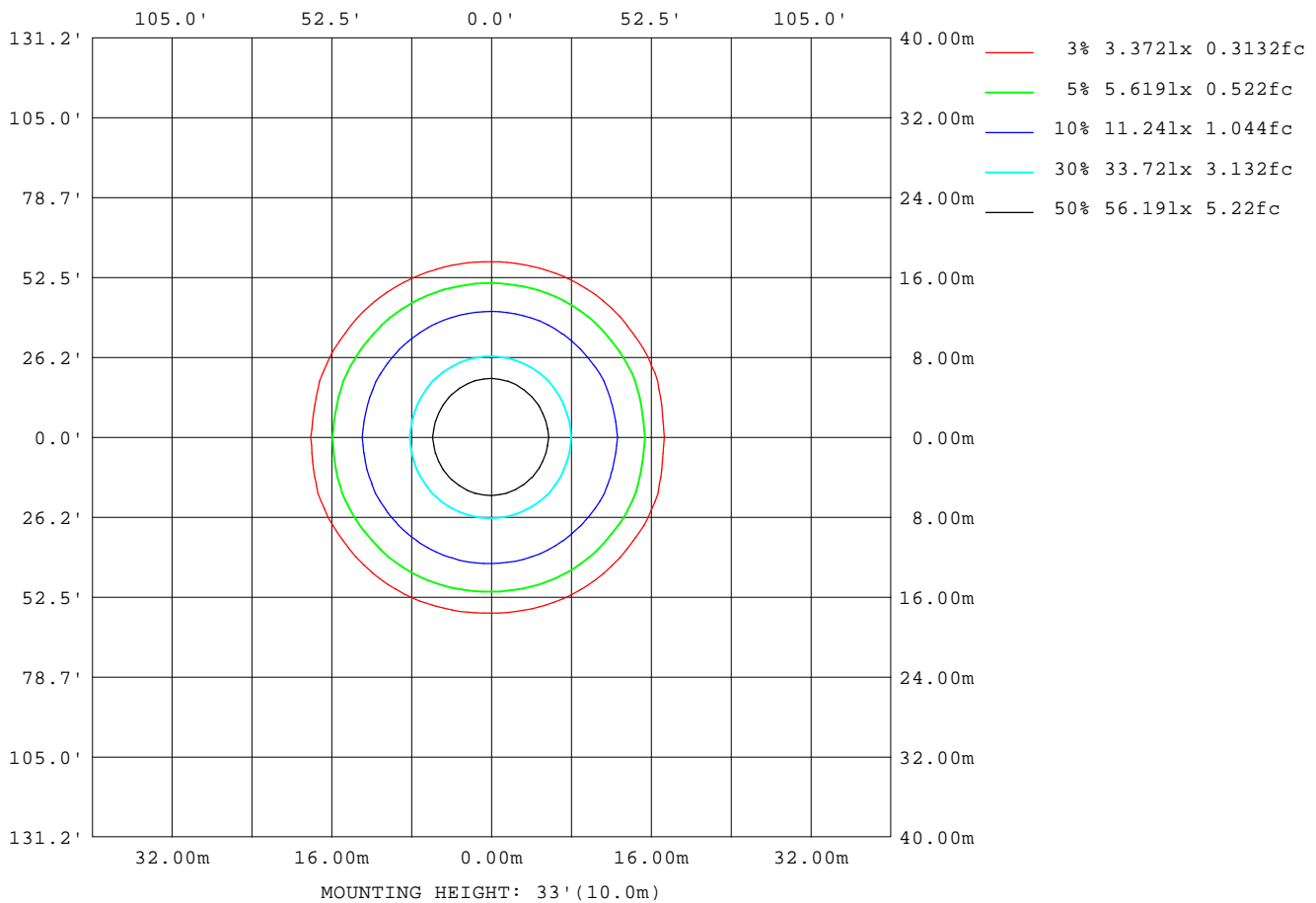
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.00V I:1.2177A P:145.99W PF:0.9992 Freq:59.98Hz Lamp Flux:23833.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/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:120.00V I:1.2177A P:145.99W PF:0.9992 Freq:59.98Hz Lamp Flux:23833.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

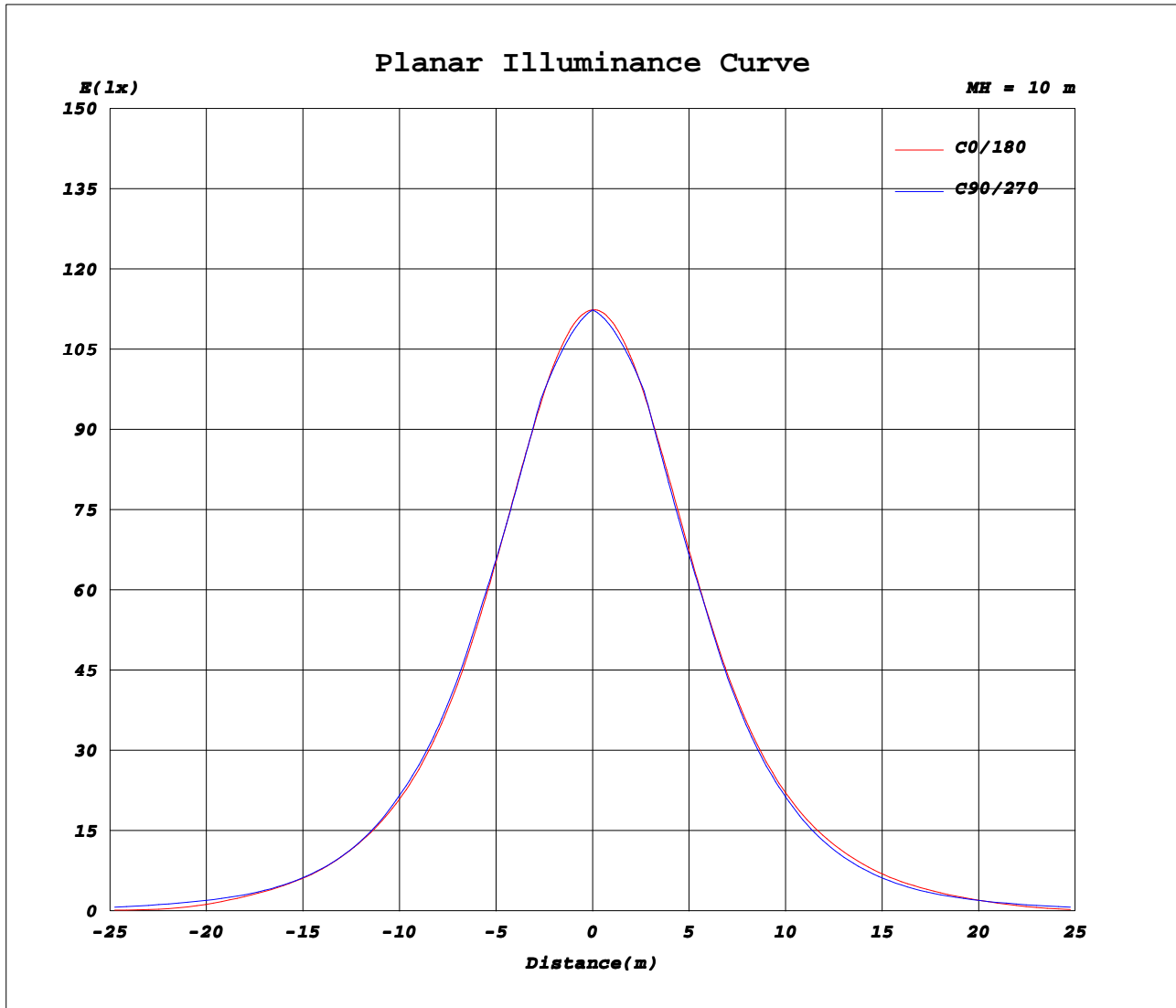
AvgL	cd/m2
L_0~180(65)av	122462
L_0~180(75)av	26905
L_0~180(85)av	3128
L_90~270(65)av	193821
L_90~270(75)av	27500
L_90~270(85)av	0
L_45(65)av	193054
L_45(75)av	81395
L_45(85)av	0

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	11238	11238	11238	11238	11238	11238	11238	11238	11238	11238
2.5	11206	11197	11190	11182	11176	11169	11164	11158	11154	11149
5.0	11145	11130	11115	11102	11090	11080	11071	11063	11057	11051
7.5	11041	11021	11004	10989	10977	10966	10958	10952	10947	10938
10.0	10913	10888	10868	10851	10839	10830	10824	10808	10796	10789
12.5	10748	10722	10704	10691	10683	10671	10649	10633	10623	10619
15.0	10535	10512	10499	10495	10491	10461	10443	10432	10429	10449
17.5	10290	10267	10258	10261	10232	10206	10193	10202	10248	10291
20.0	10022	10000	9994	9988	9942	9915	9921	9986	10056	10125
22.5	9710	9693	9700	9669	9620	9594	9669	9757	9851	9789
25.0	9360	9350	9368	9308	9257	9296	9399	9512	9429	9365
27.5	8982	8980	9002	8914	8869	8983	9114	9058	8979	8933
30.0	8577	8585	8584	8490	8512	8656	8683	8585	8532	8569
32.5	8145	8166	8142	8042	8140	8304	8186	8105	8155	8209
35.0	7697	7733	7685	7602	7765	7788	7678	7710	7785	7795
37.5	7255	7303	7229	7212	7393	7276	7231	7324	7360	7348
40.0	6815	6878	6773	6826	6925	6774	6837	6914	6896	6903
42.5	6363	6446	6311	6441	6415	6342	6459	6442	6440	6466
45.0	5921	6016	5846	6060	5904	5945	5997	5975	5997	6028
47.5	5466	5555	5422	5595	5414	5558	5511	5520	5559	5493
50.0	4991	5065	4994	5053	4989	5062	5033	5071	5013	4968
52.5	4469	4536	4535	4479	4558	4523	4567	4538	4458	4466
55.0	3906	3964	4055	3890	4057	4002	4077	3963	4029	4108
57.5	3337	3381	3560	3420	3476	3534	3479	3487	3591	3496
60.0	2680	2711	2899	2947	2912	2992	2938	3061	2946	2907
62.5	1831	1881	2117	2357	2396	2347	2516	2427	2342	2407
65.0	799.6	931.5	1195	1570	1787	1827	1925	1822	1831	1853
67.5	375.8	431.2	634.4	890.7	1052	1340	1301	1324	1248	1243
70.0	268.9	292.8	357.4	517.8	596.2	746.1	877.6	762.7	700.4	948.5
72.5	198.4	218.7	211.0	242.4	315.4	449.2	448.0	358.4	539.6	704.2
75.0	143.1	148.5	154.1	170.7	184.4	236.4	200.4	273.3	361.4	429.5
77.5	97.05	98.54	101.9	104.9	121.8	125.0	145.8	164.9	196.3	216.3
80.0	58.63	66.14	67.29	70.93	73.42	83.32	84.47	87.89	78.86	66.73
82.5	19.31	28.22	33.14	37.98	41.86	42.97	40.00	32.28	21.38	8.995
85.0	4.562	10.14	14.17	17.80	16.77	9.832	0	0	0	0
87.5	3.626	6.291	6.338	0	0	0	0	0	0	0
90.0	4.315	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	11238	11238	11238	11238	11238	11238	11238	11238	11238	11238
2.5	11145	11142	11140	11138	11136	11135	11135	11135	11136	11137
5.0	11046	11042	11039	11037	11035	11034	11033	11033	11034	11034
7.5	10930	10925	10921	10920	10919	10921	10922	10924	10928	10929
10.0	10785	10784	10786	10788	10794	10800	10807	10815	10821	10826
12.5	10621	10630	10648	10664	10679	10693	10704	10713	10719	10722
15.0	10474	10499	10524	10548	10569	10588	10602	10612	10617	10615
17.5	10331	10367	10373	10340	10318	10304	10299	10299	10304	10311
20.0	10119	10064	10023	9995	9979	9973	9973	9980	9991	10003
22.5	9733	9690	9660	9652	9654	9660	9666	9674	9682	9690
25.0	9321	9322	9332	9339	9347	9356	9363	9369	9374	9375
27.5	8958	8984	9007	9019	9020	9029	9039	9050	9061	9067
30.0	8608	8636	8636	8645	8663	8686	8711	8729	8748	8760
32.5	8222	8221	8234	8262	8277	8288	8296	8303	8312	8324
35.0	7788	7801	7817	7837	7853	7863	7868	7873	7876	7883
37.5	7352	7372	7392	7418	7416	7416	7428	7428	7436	7451
40.0	6922	6949	6942	6940	6944	6953	6963	6981	6996	7019
42.5	6498	6462	6454	6453	6488	6515	6530	6550	6560	6574
45.0	5979	5965	5988	6027	6072	6093	6102	6121	6124	6127
47.5	5468	5526	5574	5612	5616	5592	5575	5576	5579	5594
50.0	5045	5115	5103	5065	5054	5033	5025	5025	5035	5060
52.5	4631	4571	4533	4505	4505	4497	4492	4491	4495	4512
55.0	4037	3997	3995	3992	3977	3977	3964	3959	3955	3964
57.5	3455	3484	3498	3489	3472	3442	3421	3413	3411	3425
60.0	2956	2991	2974	2949	2930	2896	2875	2866	2866	2886
62.5	2437	2428	2417	2401	2432	2426	2420	2418	2418	2432
65.0	1854	1889	1971	2000	2015	1997	1982	1973	1970	1980
67.5	1416	1540	1596	1599	1588	1559	1534	1521	1519	1530
70.0	1120	1186	1197	1176	1148	1117	1086	1070	1067	1080
72.5	785.2	809.8	795.2	766.1	721.6	682.4	643.4	622.0	617.8	628.3
75.0	468.0	461.6	423.8	369.0	307.2	250.8	202.2	174.7	168.3	177.0
77.5	195.1	135.3	122.0	116.0	107.1	97.41	88.02	83.97	84.13	85.10
80.0	58.69	50.85	41.90	31.17	20.50	11.50	4.950	1.234	0	1.251
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(B) Range:-90 - 90DEG

H(B) 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	11238	11238	11238	11238	11238	11238	11238	11238	11238	11238
2.5	11138	11140	11144	11147	11150	11155	11160	11165	11172	11178
5.0	11036	11037	11040	11044	11048	11053	11060	11068	11077	11088
7.5	10932	10935	10936	10939	10941	10943	10946	10950	10957	10969
10.0	10830	10833	10834	10834	10834	10832	10831	10831	10830	10832
12.5	10722	10720	10718	10714	10712	10712	10709	10700	10692	10687
15.0	10610	10601	10588	10576	10563	10553	10547	10545	10544	10529
17.5	10321	10332	10346	10363	10384	10381	10364	10352	10347	10350
20.0	10016	10029	10042	10056	10075	10101	10132	10140	10121	10109
22.5	9698	9707	9720	9739	9766	9786	9811	9838	9864	9837
25.0	9375	9374	9376	9386	9409	9445	9484	9497	9513	9529
27.5	9067	9059	9045	9032	9037	9059	9093	9144	9148	9145
30.0	8763	8754	8736	8717	8695	8667	8675	8710	8764	8761
32.5	8335	8351	8369	8403	8371	8330	8282	8263	8304	8374
35.0	7884	7892	7907	7928	7963	7994	7934	7868	7840	7900
37.5	7450	7455	7458	7448	7473	7505	7559	7512	7432	7416
40.0	7022	7034	7041	7024	7007	7006	7044	7110	7067	6967
42.5	6585	6595	6613	6610	6588	6569	6534	6584	6671	6591
45.0	6145	6146	6144	6154	6153	6154	6116	6071	6132	6228
47.5	5624	5651	5660	5680	5686	5686	5702	5651	5593	5694
50.0	5091	5125	5143	5167	5198	5208	5207	5234	5169	5141
52.5	4549	4584	4617	4660	4690	4706	4717	4721	4752	4674
55.0	4002	4031	4068	4113	4163	4204	4214	4212	4229	4252
57.5	3464	3493	3530	3565	3605	3652	3713	3711	3704	3742
60.0	2932	2966	3014	3057	3077	3089	3133	3191	3201	3195
62.5	2465	2486	2523	2558	2581	2592	2582	2599	2662	2673
65.0	2008	2033	2070	2102	2117	2109	2096	2060	2034	2126
67.5	1558	1589	1628	1658	1675	1680	1653	1575	1489	1493
70.0	1110	1148	1198	1242	1270	1276	1245	1175	1011	966.3
72.5	658.0	704.1	763.5	824.7	878.2	909.7	902.5	831.3	697.4	563.1
75.0	206.1	259.9	326.7	400.4	472.1	535.2	576.4	565.8	472.8	349.0
77.5	89.60	101.3	114.9	128.8	139.1	157.6	236.6	289.7	289.8	236.9
80.0	5.040	11.96	22.03	34.63	47.82	59.32	68.55	78.01	98.04	122.5
82.5	0	0	0	0	0	0	0	10.52	25.27	38.48
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	11238	11238	11238	11238	11238	11238	11238	11238	11238	11238
2.5	11185	11193	11201	11209	11218	11228	11237	11230	11223	11217
5.0	11100	11114	11129	11146	11164	11183	11203	11188	11174	11161
7.5	10984	11003	11024	11048	11074	11104	11135	11111	11089	11070
10.0	10835	10856	10881	10912	10947	10987	11031	10997	10966	10940
12.5	10684	10685	10705	10742	10784	10835	10892	10846	10807	10775
15.0	10516	10507	10503	10534	10585	10646	10718	10659	10610	10572
17.5	10330	10302	10280	10280	10336	10407	10491	10420	10362	10320
20.0	10109	10075	10039	10014	10061	10143	10244	10155	10084	10050
22.5	9824	9829	9774	9732	9751	9848	9969	9857	9770	9764
25.0	9501	9500	9478	9417	9395	9507	9649	9512	9406	9440
27.5	9145	9135	9155	9075	9014	9125	9282	9126	9017	9086
30.0	8753	8748	8760	8719	8637	8723	8897	8720	8633	8718
32.5	8352	8338	8341	8347	8242	8297	8487	8290	8231	8334
35.0	7950	7911	7903	7945	7829	7845	8048	7835	7812	7921
37.5	7494	7490	7454	7489	7415	7388	7600	7377	7393	7457
40.0	6995	7074	7016	7033	7004	6933	7155	6921	6980	6997
42.5	6498	6597	6590	6575	6596	6475	6710	6461	6568	6535
45.0	6093	6092	6168	6113	6186	6011	6258	5997	6156	6069
47.5	5720	5581	5722	5661	5726	5574	5807	5560	5697	5619
50.0	5280	5175	5200	5222	5252	5137	5349	5121	5221	5181
52.5	4708	4794	4663	4787	4760	4683	4882	4663	4723	4742
55.0	4163	4307	4184	4321	4226	4192	4369	4165	4176	4264
57.5	3728	3702	3770	3732	3669	3683	3819	3651	3609	3659
60.0	3258	3164	3303	3111	3143	3154	3266	3108	3064	3014
62.5	2692	2716	2641	2555	2587	2548	2573	2486	2485	2447
65.0	2153	2138	2017	2103	1971	1765	1685	1611	1785	1944
67.5	1639	1537	1549	1403	1056	807.8	722.8	666.0	836.7	1163
70.0	1025	1118	884.9	660.3	453.5	365.1	357.8	334.5	366.4	509.3
72.5	560.7	638.4	483.7	408.8	300.1	238.6	259.2	230.6	265.5	330.7
75.0	282.8	305.2	291.0	210.1	188.5	181.5	191.2	176.9	175.6	187.9
77.5	180.6	162.8	154.7	149.3	130.5	128.0	135.8	124.4	121.5	134.1

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]

80.0	118.4	104.3	96.31	85.06	78.16	74.64	88.30	72.37	70.94	74.00
82.5	49.19	56.79	56.84	50.17	44.46	32.68	43.77	30.61	37.35	41.20
85.0	0	11.74	19.13	23.89	17.59	9.558	8.525	7.413	12.11	18.19
87.5	0	0	0	0	5.332	5.523	3.634	3.916	3.091	0
90.0	0	0	0	0	0	0	3.674	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	11238	11238	11238	11238	11238	11238	11238	11238	11238	11238
2.5	11211	11205	11200	11195	11190	11185	11181	11178	11175	11172
5.0	11149	11139	11129	11122	11115	11109	11104	11100	11097	11095
7.5	11054	11040	11028	11020	11013	11012	11013	11014	11015	11016
10.0	10918	10902	10891	10897	10904	10913	10921	10928	10934	10939
12.5	10750	10740	10751	10765	10781	10800	10819	10831	10839	10846
15.0	10553	10571	10594	10619	10646	10660	10674	10692	10713	10734
17.5	10335	10372	10415	10451	10462	10480	10505	10536	10549	10529
20.0	10092	10147	10199	10215	10243	10280	10279	10247	10225	10209
22.5	9822	9895	9907	9939	9989	9965	9938	9915	9899	9877
25.0	9517	9553	9570	9619	9608	9598	9588	9552	9519	9503
27.5	9178	9168	9194	9204	9213	9216	9166	9134	9119	9125
30.0	8764	8759	8774	8790	8800	8746	8713	8711	8752	8792
32.5	8327	8327	8348	8377	8308	8266	8290	8348	8403	8458
35.0	7874	7883	7927	7878	7817	7847	7917	7987	7965	7945
37.5	7414	7450	7457	7377	7391	7471	7520	7473	7445	7432
40.0	6973	7030	6949	6917	7016	7056	6990	6949	6960	6983
42.5	6546	6554	6452	6538	6613	6524	6467	6499	6527	6547
45.0	6124	6049	6050	6176	6068	6004	6042	6076	6077	6065
47.5	5678	5539	5678	5643	5527	5578	5626	5603	5586	5577
50.0	5153	5131	5237	5083	5100	5155	5130	5113	5093	5073
52.5	4614	4746	4654	4608	4678	4635	4628	4615	4592	4570
55.0	4122	4251	4094	4175	4144	4121	4127	4119	4072	4024
57.5	3690	3630	3649	3652	3608	3628	3628	3569	3517	3475
60.0	3211	3067	3172	3093	3116	3116	3054	3005	2990	2971
62.5	2535	2610	2596	2589	2590	2533	2509	2509	2496	2476
65.0	1905	2052	2047	2061	1973	2005	2030	2032	2043	2039
67.5	1424	1454	1553	1443	1449	1534	1597	1618	1617	1610
70.0	763.0	1042	976.8	929.7	993.2	1148	1205	1228	1227	1208
72.5	401.6	577.8	532.0	538.4	685.6	808.7	873.2	874.8	850.2	805.1
75.0	246.5	275.2	265.3	335.0	462.9	549.3	556.1	513.5	457.3	394.3
77.5	137.3	150.0	168.5	226.1	281.6	278.5	225.9	149.1	135.6	129.5
80.0	85.00	93.87	108.6	115.0	91.60	72.85	64.19	55.85	46.55	34.80
82.5	48.17	48.59	41.51	35.08	23.31	9.816	0	0	0	0
85.0	13.94	9.305	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	11238	11238	11238	11238	11238	11238	11238	11238	11238	11238
2.5	11170	11167	11166	11164	11164	11162	11162	11162	11162	11163
5.0	11093	11091	11090	11089	11089	11088	11087	11086	11085	11085
7.5	11016	11016	11014	11012	11010	11005	11000	10996	10992	10989
10.0	10941	10941	10940	10936	10930	10920	10910	10900	10889	10879
12.5	10853	10858	10861	10860	10856	10847	10833	10817	10797	10775
15.0	10753	10768	10778	10782	10782	10773	10757	10737	10710	10678
17.5	10514	10497	10484	10471	10462	10452	10448	10449	10458	10475
20.0	10197	10183	10168	10154	10142	10125	10113	10105	10105	10114
22.5	9860	9848	9839	9832	9826	9814	9799	9783	9769	9755
25.0	9498	9500	9504	9508	9511	9504	9490	9471	9453	9433
27.5	9150	9172	9185	9192	9192	9177	9154	9133	9115	9104
30.0	8827	8853	8870	8877	8873	8847	8812	8778	8745	8718
32.5	8436	8422	8411	8406	8403	8390	8373	8359	8342	8323
35.0	7932	7926	7925	7928	7933	7930	7919	7909	7896	7878
37.5	7445	7455	7461	7462	7461	7453	7442	7438	7439	7439
40.0	6996	7002	6998	6998	6989	6974	6959	6950	6945	6943
42.5	6540	6530	6525	6523	6519	6511	6500	6487	6467	6444
45.0	6053	6044	6043	6046	6048	6050	6048	6043	6031	6006
47.5	5560	5540	5529	5522	5515	5514	5520	5537	5564	5584
50.0	5050	5025	5010	4996	4983	4975	4975	4987	5009	5040
52.5	4531	4495	4473	4462	4451	4448	4448	4457	4467	4477
55.0	3985	3954	3933	3926	3920	3921	3926	3941	3958	3966
57.5	3452	3428	3409	3399	3386	3384	3388	3411	3439	3466
60.0	2944	2915	2889	2872	2853	2847	2847	2871	2896	2923
62.5	2463	2445	2427	2419	2407	2402	2397	2406	2403	2387
65.0	2021	1998	1977	1968	1962	1961	1964	1982	1992	1990
67.5	1590	1563	1536	1522	1514	1514	1522	1548	1573	1594
70.0	1173	1133	1096	1076	1067	1067	1079	1112	1145	1177

H(B) Range:-90 - 90DEG

H(B) 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	752.0	699.2	653.8	628.4	620.1	623.5	642.0	681.3	726.3	768.8
75.0	327.9	264.7	211.1	180.3	173.4	180.6	205.7	254.2	314.5	376.3
77.5	118.6	105.3	92.79	86.83	86.69	87.04	90.07	100.0	112.7	123.8
80.0	22.71	12.43	5.222	1.276	0	1.279	5.065	11.81	21.59	33.28
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	11238	11238	11238	11238	11238	11238	11238	11238	11238	11238
2.5	11163	11164	11166	11168	11171	11174	11177	11180	11184	11189
5.0	11084	11085	11086	11087	11090	11093	11097	11102	11108	11115
7.5	10987	10987	10988	10991	10994	10994	10994	10996	11001	11007
10.0	10870	10862	10857	10854	10854	10859	10868	10866	10867	10872
12.5	10750	10723	10703	10691	10686	10687	10695	10709	10713	10714
15.0	10643	10604	10565	10526	10494	10487	10489	10500	10522	10518
17.5	10502	10481	10428	10373	10317	10260	10243	10247	10265	10286
20.0	10133	10166	10214	10210	10130	10049	9972	9957	9974	10013
22.5	9753	9776	9814	9868	9930	9822	9720	9631	9647	9689
25.0	9415	9397	9390	9431	9493	9575	9444	9325	9276	9322
27.5	9082	9050	9016	8982	9024	9099	9149	9005	8883	8924
30.0	8700	8692	8653	8604	8557	8606	8704	8675	8527	8501
32.5	8284	8259	8252	8230	8167	8112	8198	8324	8155	8051
35.0	7850	7819	7801	7801	7785	7710	7682	7799	7776	7608
37.5	7410	7378	7352	7338	7349	7316	7223	7276	7400	7210
40.0	6947	6945	6911	6881	6874	6893	6819	6758	6916	6815
42.5	6441	6450	6476	6440	6404	6407	6428	6315	6392	6420
45.0	5966	5937	5953	5994	5957	5927	5959	5909	5871	6034
47.5	5545	5490	5431	5458	5517	5474	5464	5514	5382	5568
50.0	5075	5075	5005	4928	4971	5029	4983	5024	4962	5030
52.5	4504	4542	4593	4507	4424	4497	4526	4496	4534	4461
55.0	3963	3966	4011	4077	3997	3927	4046	3976	4034	3876
57.5	3469	3458	3437	3482	3563	3458	3453	3510	3451	3404
60.0	2949	2973	2953	2918	2947	3037	2916	2979	2894	2935
62.5	2403	2428	2454	2440	2374	2427	2501	2354	2403	2354
65.0	1962	1905	1897	1915	1893	1849	1940	1866	1828	1599
67.5	1591	1555	1469	1344	1334	1377	1333	1415	1117	940.2
70.0	1197	1201	1163	1039	806.3	829.5	916.9	826.7	667.2	558.6
72.5	800.7	825.2	822.9	774.3	620.8	419.1	479.7	500.4	359.1	261.5
75.0	432.5	476.0	495.8	477.8	416.5	317.0	218.8	259.4	201.5	181.6
77.5	131.3	145.1	207.5	238.1	225.0	185.9	157.8	132.7	130.6	110.7
80.0	45.10	54.89	62.44	69.95	83.93	95.11	89.67	87.98	77.38	74.37
82.5	0	0	0	9.422	22.30	33.33	41.38	44.73	43.10	38.76
85.0	0	0	0	0	0	0	0	10.10	16.27	15.97
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	11238	11238								
2.5	11194	11200								
5.0	11124	11134								
7.5	11016	11027								
10.0	10882	10895								
12.5	10718	10730								
15.0	10514	10519								
17.5	10274	10275								
20.0	10010	10008								
22.5	9713	9700								
25.0	9377	9354								
27.5	9009	8983								
30.0	8592	8589								
32.5	8148	8168								
35.0	7688	7735								
37.5	7225	7302								
40.0	6762	6873								
42.5	6294	6437								
45.0	5829	6008								
47.5	5405	5546								
50.0	4978	5058								
52.5	4526	4532								
55.0	4049	3959								
57.5	3545	3373								
60.0	2890	2710								
62.5	2127	1888								

H(B) Range:-90 - 90DEG

H(B) 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	1222	952.7
67.5	674.1	458.9
70.0	388.0	304.4
72.5	222.3	223.2
75.0	159.6	150.0
77.5	104.8	99.33
80.0	69.80	67.31
82.5	33.15	29.65
85.0	12.36	9.623
87.5	3.782	4.076
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: