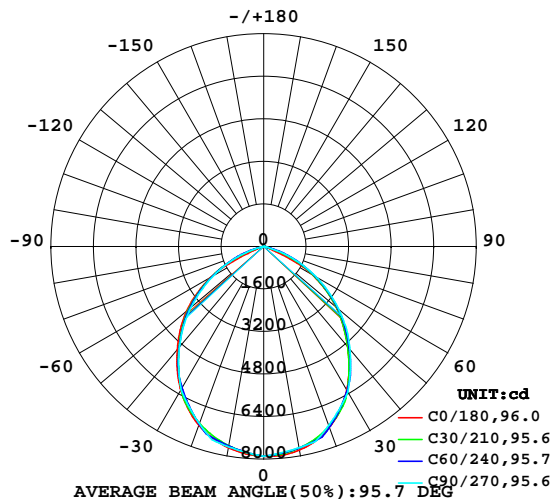


LUMINAIRE PHOTOMETRIC TEST REPORT

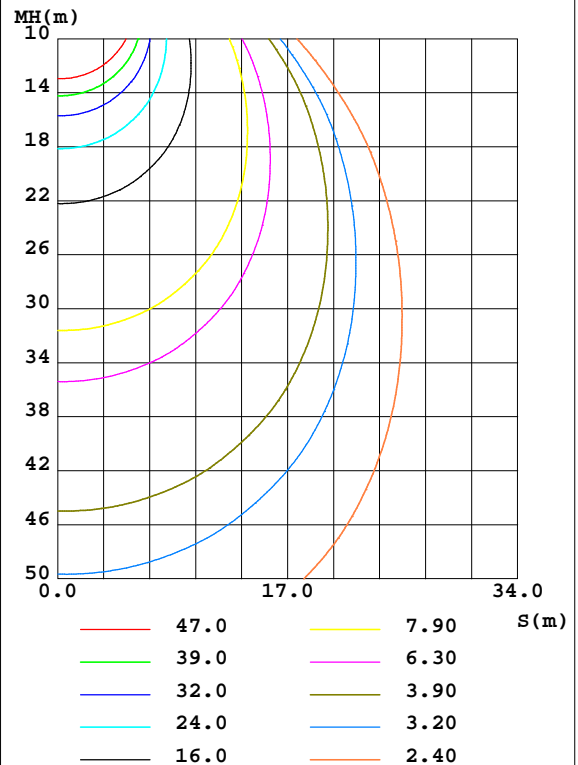
Test:U:120.07V I:0.8406A P:100.72W PF:0.9980 Freq:59.98Hz Lamp Flux:17086.3x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W/5000K/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 169.64 lm/W			
MODEL	GHSL-16-U	Imax(cd)	7897	S/MH(C0/180)	1.18
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH(C90/270)	1.18
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	17086	η UP,DN(C0-180)	0.0,50.4
NOMINAL FLUX(lm)	17086.3	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.6
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	7772	7695	7686	7624	7687	7602	7649	7664	0- 10	740.3	740.3	4.33,4.33
20	7232	7291	7165	7195	7151	7153	7091	7222	10- 20	2105	2845	16.7,16.7
30	6244	6241	6330	6210	6242	6136	6219	6162	20- 30	3090	5936	34.7,34.7
40	4915	4999	5051	5089	5061	4997	4931	4923	30- 40	3507	9443	55.3,55.3
50	3565	3591	3693	3742	3788	3645	3572	3511	40- 50	3325	12768	74.7,74.7
60	2091	2167	2257	2296	2266	2197	2143	2095	50- 60	2609	15378	90,90
70	207.6	832.3	839.4	875.0	226.0	785.3	793.3	771.0	60- 70	1404	16782	98.2,98.2
80	49.52	53.60	0	55.64	58.00	51.72	0	43.82	70- 80	295.3	17077	99.9,99.9
90	2.844	0	0	0	2.916	0	0	0	80- 90	8.944	17086	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 11161 lm

%lum = 65.3%

%lamp = 65.3%

Conical surface Flux(120deg): 15378 lm

%lum = 90.0%

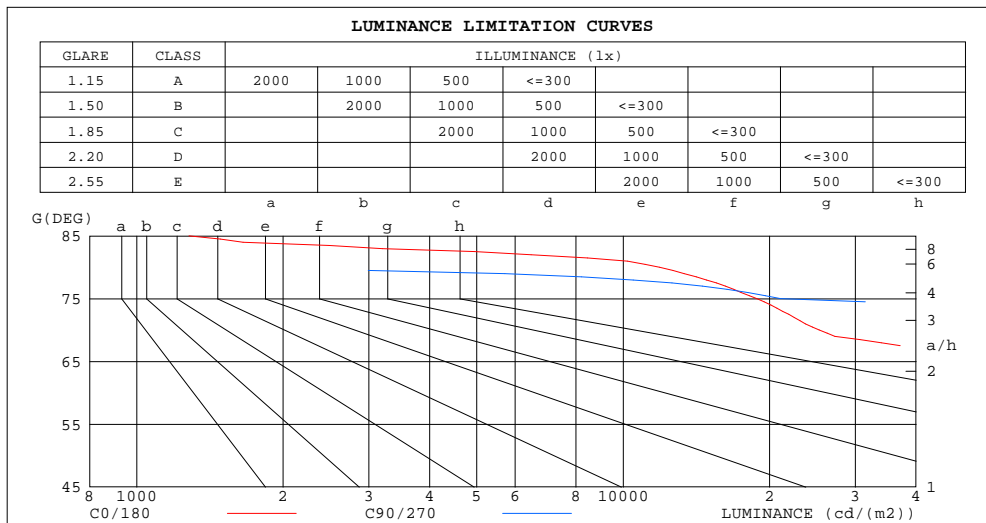
%lamp = 90.0%

$H(\beta)$ 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:120.07V I:0.8406A P:100.72W PF:0.9980 Freq:59.98Hz Lamp Flux:17086.3x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W/5000K/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m²)		
G(°)	C0/180	C90/270
85	1281	0
80	11881	0
75	18815	21068
70	25289	102262
65	92069	152616
60	174238	188042
55	206428	216100
50	231117	239392
45	249780	259943

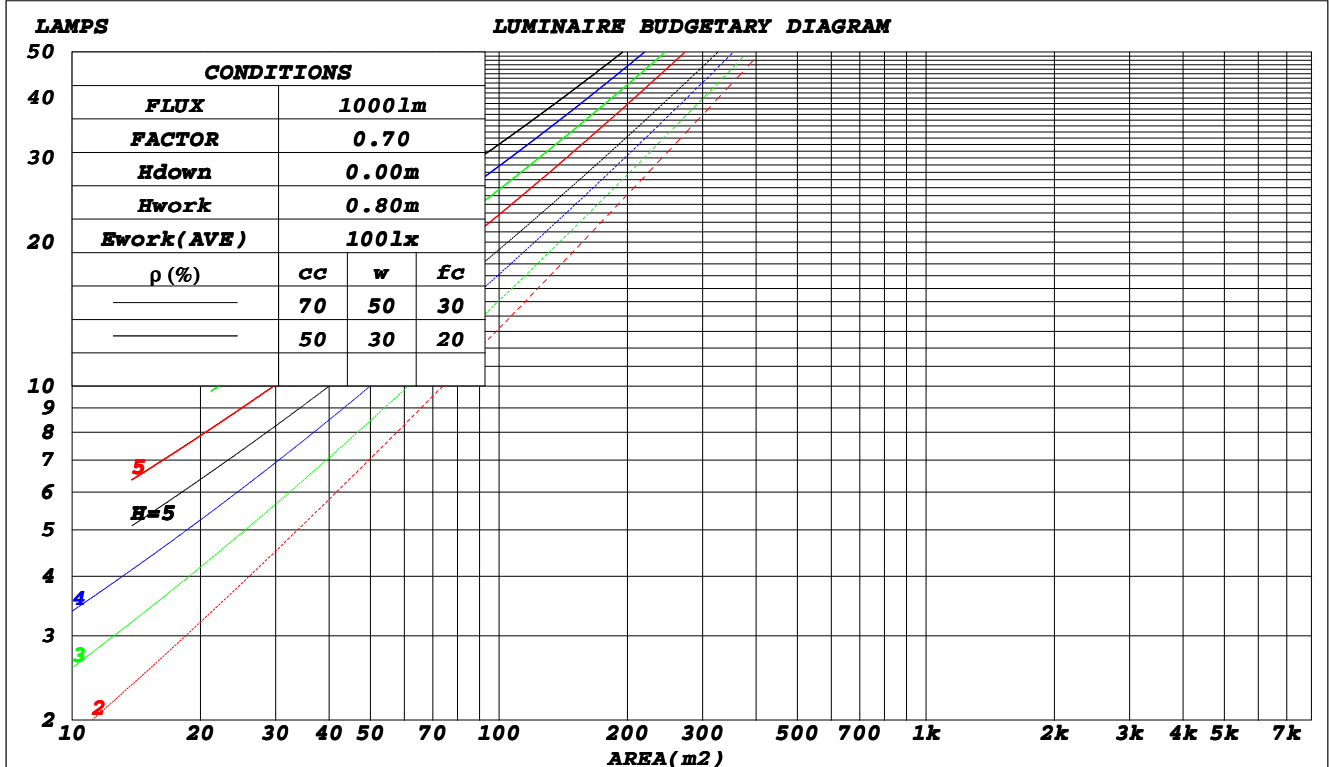
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-14

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:120.07V I:0.8406A P:100.72W PF:0.9980 Freq:59.98Hz Lamp Flux:17086.3x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W/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	Coefficients of Utilization(CU)															
	RCR:Room Cavity Ratio															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.07	1.04	1.00	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.95	.89	.85	.93	.88	.84	.90	.86	.82	.87	.83	.80	.84	.81	.78	.76
3.0	.85	.78	.72	.83	.77	.72	.81	.75	.70	.78	.73	.69	.75	.71	.68	.66
4.0	.76	.68	.62	.75	.68	.62	.72	.66	.61	.70	.65	.60	.68	.63	.60	.58
5.0	.69	.60	.54	.68	.60	.54	.66	.59	.54	.64	.58	.53	.62	.57	.53	.51
6.0	.62	.54	.48	.61	.54	.48	.60	.53	.47	.58	.52	.47	.56	.51	.47	.45
7.0	.57	.49	.43	.56	.48	.43	.54	.47	.42	.53	.47	.42	.52	.46	.42	.40
8.0	.52	.44	.39	.51	.44	.38	.50	.43	.38	.49	.43	.38	.48	.42	.38	.36
9.0	.48	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.34	.44	.38	.34	.33
10.0	.44	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.31	.41	.35	.31	.30



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:120.07V I:0.8406A P:100.72W PF:0.9980 Freq:59.98Hz Lamp Flux:17086.3x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W/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	.250	.142	.045	.243	.138	.044	.230	.132	.042	.218	.126	.040	.207	.120	.039		
2.0	.245	.134	.041	.239	.132	.041	.228	.127	.039	.218	.122	.038	.208	.118	.037		
3.0	.234	.125	.037	.229	.122	.037	.219	.119	.036	.210	.115	.035	.201	.111	.034		
4.0	.221	.115	.034	.216	.113	.033	.207	.110	.033	.199	.107	.032	.192	.104	.032		
5.0	.208	.106	.031	.204	.104	.030	.196	.102	.030	.188	.099	.030	.182	.097	.029		
6.0	.195	.098	.028	.192	.097	.028	.185	.095	.028	.178	.093	.027	.172	.091	.027		
7.0	.184	.091	.026	.180	.090	.026	.174	.088	.025	.168	.086	.025	.163	.085	.025		
8.0	.173	.085	.024	.170	.084	.024	.164	.082	.023	.159	.081	.023	.154	.079	.023		
9.0	.163	.079	.022	.161	.078	.022	.156	.077	.022	.151	.076	.022	.146	.074	.021		
10.0	.154	.074	.021	.152	.073	.020	.148	.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	.062	.056	.046	.037	.018	.015	.012	
3.0	.158	.114	.079	.135	.098	.069	.093	.068	.048	.054	.040	.028	.017	.013	.009	
4.0	.150	.100	.063	.129	.087	.054	.088	.060	.038	.051	.035	.023	.016	.012	.007	
5.0	.143	.090	.051	.123	.078	.044	.084	.054	.031	.049	.032	.018	.016	.010	.006	
6.0	.136	.081	.042	.117	.070	.036	.081	.049	.026	.047	.029	.015	.015	.009	.005	
7.0	.130	.074	.035	.112	.064	.031	.077	.045	.022	.045	.027	.013	.014	.009	.004	
8.0	.124	.068	.030	.106	.059	.026	.074	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.118	.063	.026	.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	

$H(\beta)$ 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:

UGR(Unified Glare Rating) Table

Test:U:120.07V I:0.8406A P:100.72W PF:0.9980 Freq:59.98Hz Lamp Flux:17086.3x1 lm										
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:100W/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	22.5	21.4	22.7	22.9	21.4	22.8	21.7	23.0	23.2
3H	21.3	22.5	21.6	22.7	23.0	22.1	23.3	22.4	23.5	23.8
4H	21.2	22.4	21.5	22.6	22.9	22.0	23.2	22.3	23.5	23.7
6H	21.1	22.2	21.4	22.5	22.7	21.9	23.1	22.3	23.3	23.6
8H	21.0	22.1	21.4	22.4	22.7	21.9	23.0	22.2	23.2	23.5
12H	21.0	22.0	21.3	22.3	22.6	21.8	22.9	22.2	23.2	23.4
4H 2H	21.5	22.7	21.8	22.9	23.1	21.7	22.9	22.0	23.2	23.4
3H	21.7	22.7	22.1	23.0	23.3	22.5	23.5	22.8	23.8	24.1
4H	21.7	22.6	22.0	22.9	23.2	22.5	23.4	22.8	23.7	24.1
6H	21.6	22.4	22.0	22.7	23.1	22.4	23.2	22.8	23.6	23.9
8H	21.5	22.3	21.9	22.6	23.0	22.4	23.1	22.8	23.5	23.8
12H	21.5	22.2	21.9	22.6	23.0	22.3	23.0	22.7	23.4	23.8
8H 4H	21.6	22.4	22.0	22.8	23.1	22.4	23.2	22.8	23.5	23.9
6H	21.6	22.2	22.0	22.6	23.0	22.3	23.0	22.8	23.4	23.8
8H	21.5	22.1	22.0	22.5	22.9	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	21.6	22.3	22.0	22.7	23.1	22.4	23.1	22.8	23.5	23.8
6H	21.5	22.1	22.0	22.5	22.9	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	+ 0.4 / - 0.8					+ 0.2 / - 0.4				
2.0H	+ 0.9 / - 0.8					+ 0.9 / - 1.0				

CIE Pub.117, 17086 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 9.9$)
Area: 0.024 m²

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

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.07V I:0.8406A P:100.72W PF:0.9980 Freq:59.98Hz Lamp Flux:17086.3x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W/5000K/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

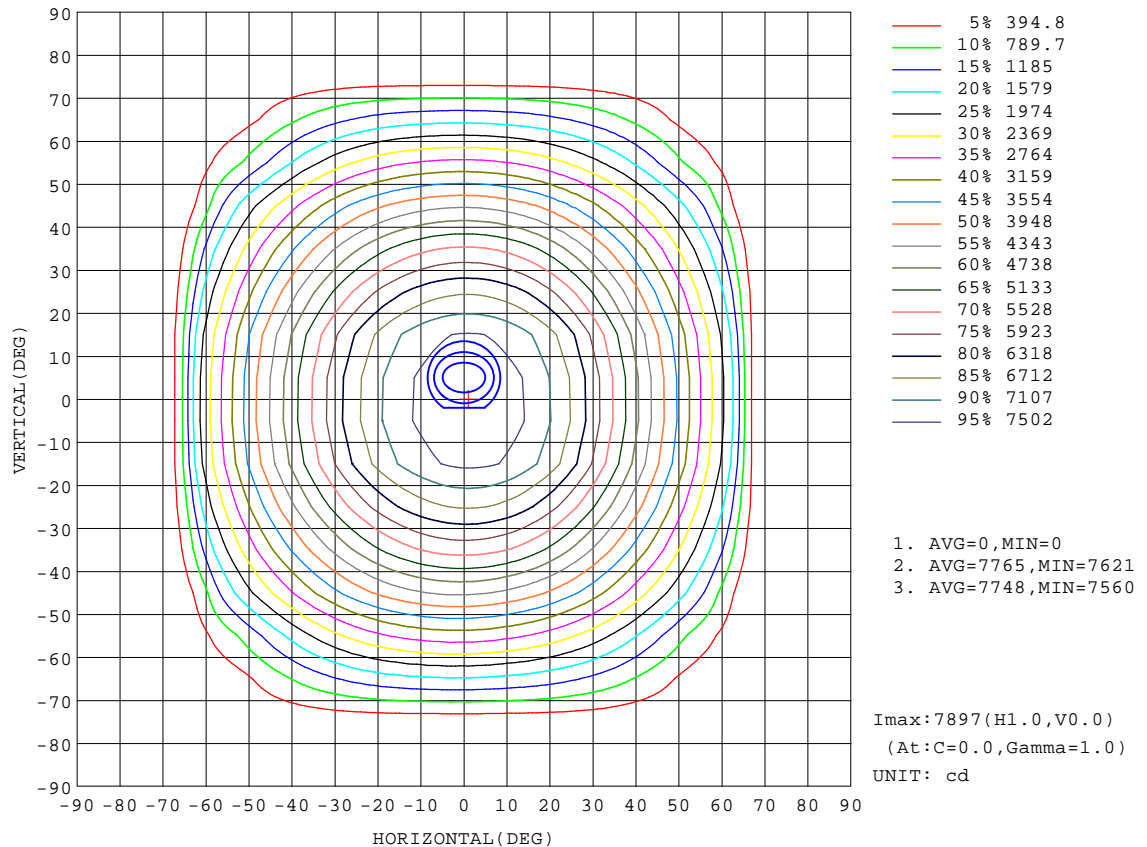
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	63	53	46	62	52	46	61	52	46	40
0.80	74	63	57	73	63	57	71	62	56	50
1.00	82	73	66	81	72	66	79	73	65	59
1.25	89	80	74	88	79	74	85	78	73	66
1.50	94	85	80	92	85	79	89	83	78	71
2.00	100	93	87	98	92	87	95	89	85	78
2.50	103	97	92	101	95	91	97	93	89	81
3.00	106	100	96	104	99	95	100	96	93	85
4.00	109	105	101	107	103	99	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(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-14

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.07V I:0.8406A P:100.72W PF:0.9980 Freq:59.98Hz Lamp Flux:17086.3x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W/5000K/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



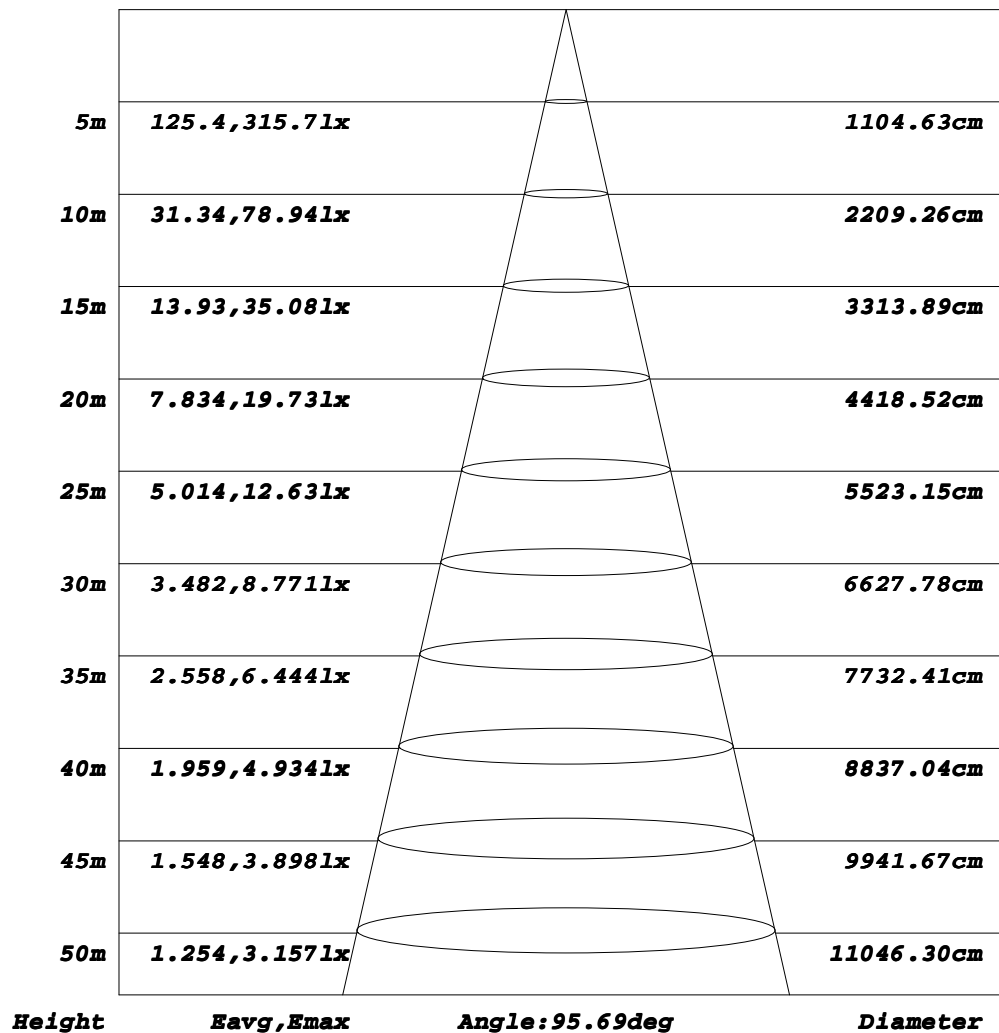
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-14

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:120.07V I:0.8406A P:100.72W PF:0.9980 Freq:59.98Hz Lamp Flux:17086.3x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W/5000K/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:12143 lm



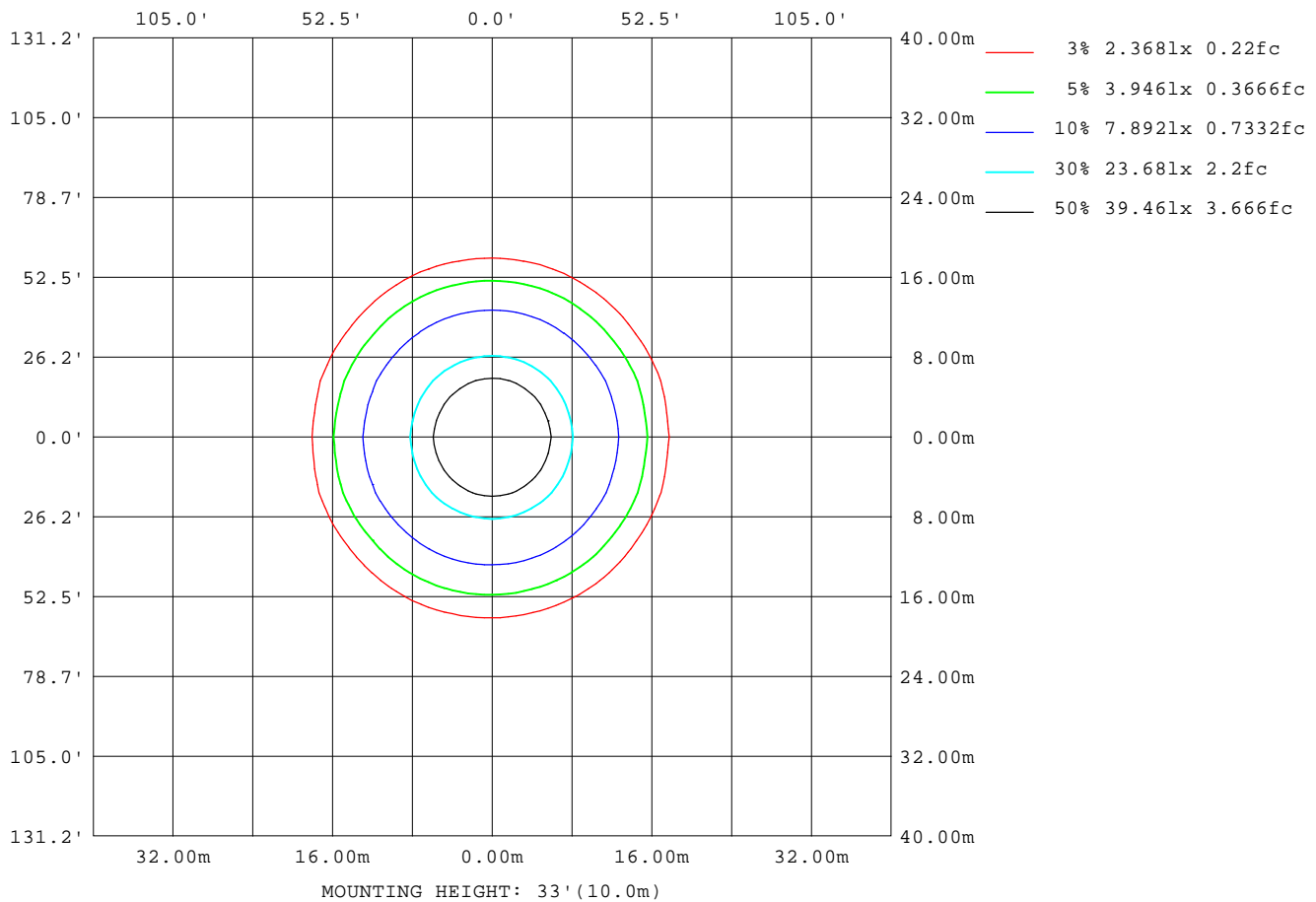
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.07V I:0.8406A P:100.72W PF:0.9980 Freq:59.98Hz Lamp Flux:17086.3x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W/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:120.07V I:0.8406A P:100.72W PF:0.9980 Freq:59.98Hz Lamp Flux:17086.3x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W/5000K/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

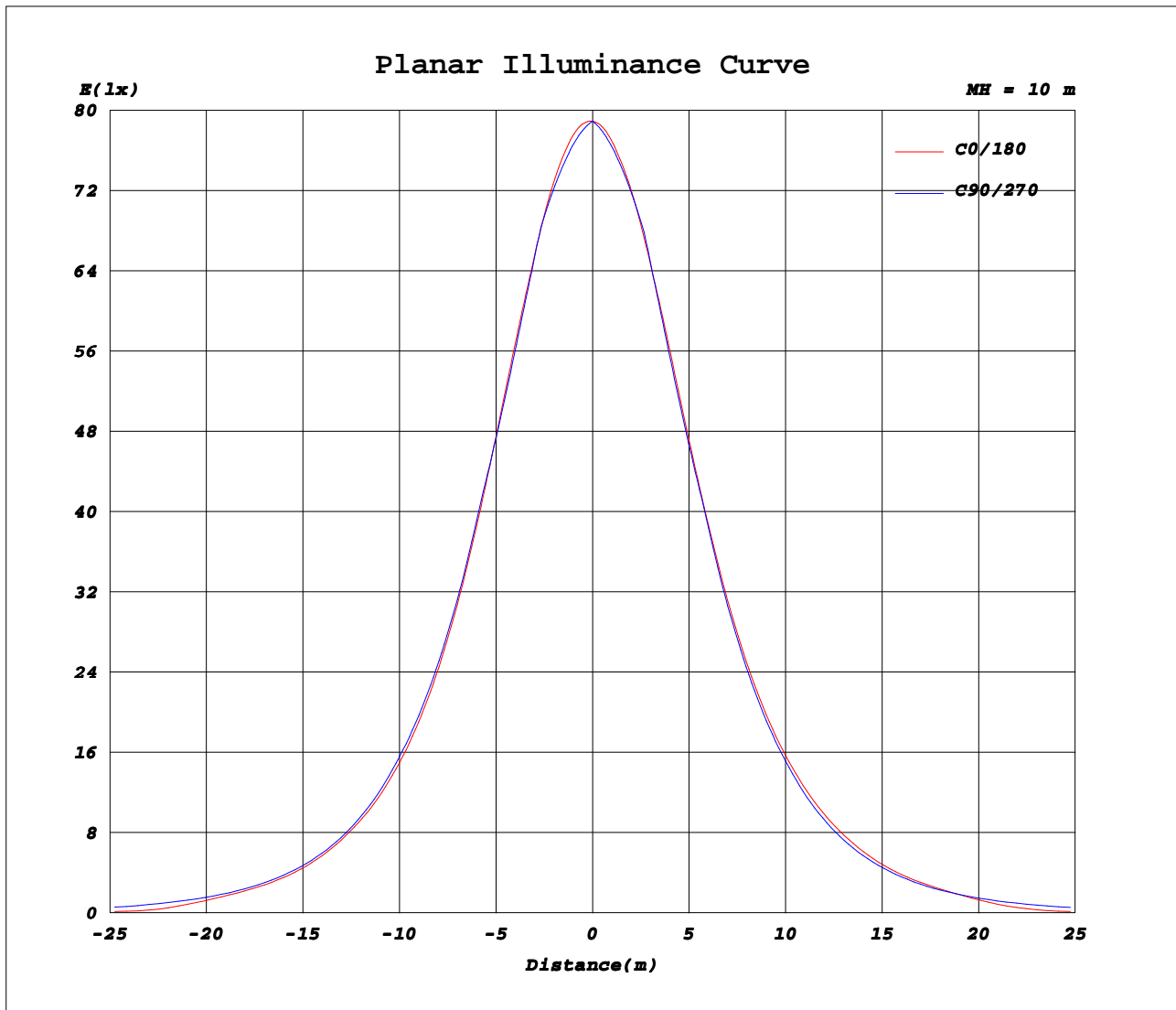
AvgL	cd/m2
L_0~180(65)av	93550
L_0~180(75)av	19710
L_0~180(85)av	1470
L_90~270(65)av	148670
L_90~270(75)av	20083
L_90~270(85)av	0
L_45(65)av	142118
L_45(75)av	62013
L_45(85)av	0

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	7892	7892	7892	7892	7892	7892	7892	7892	7892	7892
2.5	7896	7892	7887	7883	7879	7875	7871	7867	7863	7860
5.0	7881	7872	7863	7855	7848	7841	7835	7829	7824	7819
7.5	7837	7824	7812	7801	7792	7784	7778	7773	7768	7764
10.0	7772	7754	7738	7725	7715	7707	7702	7698	7696	7695
12.5	7686	7663	7645	7630	7619	7612	7609	7608	7610	7614
15.0	7566	7539	7517	7503	7496	7493	7496	7502	7511	7522
17.5	7407	7377	7356	7344	7340	7344	7354	7371	7392	7415
20.0	7232	7198	7176	7166	7167	7177	7196	7222	7252	7291
22.5	7038	6998	6974	6965	6973	6992	7023	7062	7105	7069
25.0	6806	6761	6736	6733	6747	6779	6825	6884	6842	6806
27.5	6534	6485	6462	6464	6489	6536	6601	6582	6552	6531
30.0	6244	6190	6167	6175	6209	6268	6290	6262	6246	6241
32.5	5931	5874	5852	5865	5910	5984	5947	5931	5930	5940
35.0	5601	5541	5523	5543	5598	5620	5598	5595	5609	5634
37.5	5259	5199	5184	5212	5278	5259	5250	5259	5285	5325
40.0	4915	4858	4847	4882	4921	4901	4907	4931	4966	4999
42.5	4580	4523	4517	4562	4566	4552	4570	4609	4643	4637
45.0	4239	4185	4187	4241	4217	4217	4245	4293	4283	4282
47.5	3902	3849	3858	3901	3872	3885	3930	3932	3924	3934
50.0	3565	3514	3531	3546	3529	3559	3595	3570	3570	3591
52.5	3221	3172	3199	3189	3181	3232	3223	3209	3220	3252
55.0	2842	2795	2839	2821	2832	2871	2856	2853	2876	2912
57.5	2461	2417	2464	2443	2478	2487	2488	2501	2531	2537
60.0	2091	2053	2085	2079	2122	2114	2130	2158	2153	2167
62.5	1653	1634	1687	1726	1744	1750	1786	1780	1780	1803
65.0	933.8	977.9	1140	1324	1351	1398	1420	1405	1414	1443
67.5	340.8	380.7	577.1	806.8	944.3	1042	1047	1036	1055	1088
70.0	207.6	214.6	275.8	417.9	553.1	679.7	698.2	669.3	720.0	832.3
72.5	158.0	156.4	168.1	218.3	286.8	401.0	378.8	386.5	524.9	605.9
75.0	116.9	113.3	115.7	128.8	162.3	198.8	184.2	263.9	353.3	395.7
77.5	80.82	76.97	78.48	85.01	96.03	101.9	122.8	163.8	201.7	199.4
80.0	49.52	47.12	48.01	52.41	58.12	65.07	72.62	80.71	66.33	53.60
82.5	15.49	17.65	23.88	28.27	31.95	32.67	29.88	25.04	16.93	7.218
85.0	2.680	5.306	8.792	12.27	9.740	6.641	0	0	0	0
87.5	2.378	4.189	4.144	0	0	0	0	0	0	0
90.0	2.844	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	7892	7892	7892	7892	7892	7892	7892	7892	7892	7892
2.5	7857	7854	7852	7850	7848	7845	7843	7842	7841	7839
5.0	7815	7811	7806	7803	7800	7797	7795	7791	7789	7787
7.5	7761	7758	7755	7753	7750	7747	7744	7741	7737	7734
10.0	7696	7696	7697	7697	7697	7695	7693	7690	7686	7681
12.5	7620	7625	7632	7636	7640	7642	7642	7639	7634	7629
15.0	7534	7547	7560	7571	7580	7586	7589	7588	7583	7575
17.5	7438	7461	7465	7440	7421	7405	7393	7382	7374	7369
20.0	7292	7264	7240	7220	7204	7192	7182	7173	7165	7160
22.5	7042	7023	7008	6993	6983	6976	6970	6964	6957	6951
25.0	6783	6773	6767	6763	6759	6757	6757	6753	6748	6741
27.5	6517	6513	6520	6527	6532	6537	6542	6543	6539	6532
30.0	6242	6250	6266	6286	6302	6314	6327	6332	6330	6323
32.5	5957	5980	6008	6042	6032	6021	6018	6014	6011	6009
35.0	5666	5703	5703	5701	5697	5692	5692	5692	5691	5690
37.5	5359	5356	5357	5360	5362	5363	5366	5370	5371	5373
40.0	5000	5006	5014	5021	5027	5032	5039	5047	5051	5055
42.5	4648	4660	4673	4684	4694	4702	4712	4724	4731	4738
45.0	4299	4319	4335	4350	4362	4371	4386	4401	4411	4421
47.5	3956	3982	4001	4018	4022	4022	4031	4043	4052	4065
50.0	3620	3651	3658	3659	3660	3662	3671	3683	3693	3707
52.5	3288	3292	3294	3296	3300	3302	3311	3324	3334	3349
55.0	2918	2927	2932	2935	2942	2944	2951	2964	2975	2990
57.5	2551	2565	2573	2577	2583	2587	2593	2605	2616	2631
60.0	2189	2207	2217	2222	2228	2231	2235	2246	2257	2272
62.5	1830	1853	1864	1872	1882	1885	1886	1894	1902	1915
65.0	1476	1509	1537	1549	1550	1544	1539	1542	1548	1559
67.5	1166	1215	1230	1230	1219	1205	1192	1190	1194	1203
70.0	898.6	927.8	928.4	913.2	891.1	866.9	846.0	839.0	839.4	846.8
72.5	643.5	649.1	631.6	600.5	565.1	529.7	500.7	487.8	485.1	491.1
75.0	399.1	377.2	339.1	291.2	241.0	193.8	156.0	136.7	130.9	135.7
77.5	164.1	111.5	100.0	93.66	84.47	75.06	67.65	65.68	65.43	65.13
80.0	47.80	41.91	34.36	25.18	16.19	8.862	3.803	0.9651	0	0.9569
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0

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

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-14

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.938m [K=1.0000]

Remarks:

Photometric Data Table [cd]

87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	7892	7892	7892	7892	7892	7892	7892	7892	7892	7892
2.5	7839	7838	7838	7839	7839	7840	7841	7843	7845	7847
5.0	7785	7784	7783	7782	7781	7781	7781	7782	7783	7786
7.5	7731	7728	7723	7720	7716	7713	7710	7708	7707	7708
10.0	7676	7669	7661	7653	7645	7636	7629	7624	7620	7619
12.5	7620	7608	7596	7582	7567	7554	7542	7532	7525	7521
15.0	7562	7547	7528	7507	7486	7466	7448	7431	7417	7406
17.5	7365	7364	7365	7372	7384	7372	7345	7318	7295	7275
20.0	7154	7150	7149	7153	7162	7177	7198	7195	7161	7129
22.5	6943	6935	6931	6931	6936	6945	6962	6986	7016	6971
25.0	6732	6721	6713	6708	6705	6709	6718	6736	6763	6799
27.5	6520	6507	6493	6481	6471	6466	6468	6476	6495	6524
30.0	6309	6291	6273	6252	6234	6220	6210	6210	6217	6237
32.5	6007	6008	6013	6021	5994	5969	5950	5937	5934	5944
35.0	5689	5690	5693	5699	5708	5715	5685	5662	5648	5645
37.5	5372	5373	5374	5377	5383	5392	5405	5385	5359	5346
40.0	5056	5056	5056	5058	5059	5063	5071	5089	5071	5046
42.5	4740	4741	4740	4741	4740	4738	4740	4748	4771	4749
45.0	4426	4426	4426	4426	4422	4415	4411	4410	4425	4454
47.5	4074	4084	4100	4114	4106	4096	4082	4075	4080	4103
50.0	3715	3724	3738	3757	3775	3780	3758	3742	3733	3747
52.5	3357	3366	3377	3393	3408	3423	3437	3411	3389	3391
55.0	2999	3009	3019	3030	3041	3049	3058	3071	3047	3036
57.5	2642	2653	2665	2673	2678	2679	2679	2682	2701	2683
60.0	2284	2298	2311	2316	2319	2312	2304	2296	2302	2336
62.5	1929	1945	1959	1963	1960	1946	1929	1911	1904	1928
65.0	1573	1594	1613	1623	1618	1586	1557	1528	1509	1517
67.5	1218	1244	1268	1288	1292	1275	1229	1148	1111	1111
70.0	864.0	894.1	925.7	954.1	971.8	972.8	947.1	875.0	743.7	705.4
72.5	510.4	545.1	585.3	624.8	659.0	679.1	677.0	634.7	540.4	391.1
75.0	157.3	197.5	246.6	299.2	350.5	392.6	418.2	413.1	362.3	267.6
77.5	68.02	75.83	84.77	93.00	99.31	111.8	169.6	207.8	207.4	167.6
80.0	3.827	8.945	16.23	25.00	34.14	41.76	48.29	55.64	70.00	84.89
82.5	0	0	0	0	0	0	0	7.509	18.05	27.63
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	7892	7892	7892	7892	7892	7892	7892	7892	7892	7892
2.5	7850	7852	7855	7859	7863	7867	7871	7866	7861	7856
5.0	7789	7792	7797	7803	7810	7818	7827	7817	7807	7799
7.5	7710	7714	7721	7728	7738	7749	7762	7747	7734	7722
10.0	7621	7625	7631	7641	7654	7669	7687	7666	7648	7633
12.5	7519	7521	7526	7535	7549	7567	7590	7564	7542	7525
15.0	7399	7395	7397	7404	7417	7437	7464	7433	7409	7392
17.5	7259	7248	7245	7249	7262	7284	7314	7279	7253	7236
20.0	7105	7087	7078	7079	7092	7116	7151	7110	7080	7063
22.5	6935	6908	6891	6886	6895	6918	6956	6911	6882	6866
25.0	6749	6708	6680	6668	6671	6693	6734	6685	6655	6645
27.5	6544	6489	6451	6430	6431	6452	6496	6442	6411	6402
30.0	6270	6258	6208	6179	6174	6195	6242	6184	6152	6146
32.5	5968	6011	5951	5911	5900	5917	5966	5904	5874	5873
35.0	5660	5692	5681	5629	5607	5620	5669	5606	5579	5586
37.5	5348	5368	5399	5337	5307	5316	5364	5301	5277	5291
40.0	5035	5042	5078	5045	5009	5014	5061	4998	4977	4998
42.5	4724	4721	4751	4755	4709	4708	4754	4690	4675	4704
45.0	4418	4404	4422	4462	4405	4397	4442	4379	4369	4409
47.5	4114	4086	4090	4139	4095	4079	4123	4061	4058	4084
50.0	3789	3764	3753	3789	3774	3747	3788	3726	3735	3734
52.5	3417	3438	3405	3427	3439	3397	3436	3374	3393	3367
55.0	3045	3076	3049	3050	3071	3016	3053	2993	3023	2991
57.5	2678	2687	2689	2662	2692	2626	2657	2604	2648	2604
60.0	2314	2303	2324	2282	2288	2242	2266	2219	2245	2228
62.5	1961	1925	1919	1898	1844	1765	1756	1741	1801	1842
65.0	1563	1545	1489	1416	1232	1040	963.9	1024	1194	1360
67.5	1149	1146	1011	855.2	616.8	425.3	363.6	423.5	597.1	810.5
70.0	759.8	747.5	576.2	431.5	300.0	235.9	226.0	234.1	290.7	407.0
72.5	406.4	427.8	309.6	228.7	185.7	172.2	171.3	169.2	179.9	216.1
75.0	193.4	213.4	175.4	145.0	131.8	127.7	128.0	124.7	125.0	137.5
77.5	131.0	112.1	107.5	98.38	91.31	89.64	90.67	86.47	86.34	92.32

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

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-14

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.938m [K=1.0000]

Remarks:

Photometric Data Table [cd]

80.0	79.62	73.27	66.73	62.08	59.42	57.88	58.00	54.98	54.80	56.89
82.5	34.93	38.62	38.15	34.83	32.27	26.52	22.51	22.11	28.03	30.63
85.0	0	8.310	13.16	15.15	12.61	7.646	3.468	5.828	9.365	12.28
87.5	0	0	0	0	3.531	3.639	2.535	2.759	2.307	0
90.0	0	0	0	0	0	0	2.916	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	7892	7892	7892	7892	7892	7892	7892	7892	7892	7892
2.5	7852	7848	7845	7842	7839	7836	7834	7832	7831	7830
5.0	7792	7785	7780	7776	7772	7769	7768	7766	7765	7766
7.5	7713	7705	7698	7694	7691	7690	7691	7692	7694	7696
10.0	7621	7612	7605	7602	7601	7602	7605	7610	7616	7622
12.5	7513	7504	7500	7499	7501	7506	7513	7523	7533	7544
15.0	7381	7376	7375	7379	7387	7399	7413	7429	7446	7464
17.5	7227	7226	7232	7245	7261	7280	7303	7328	7338	7322
20.0	7057	7062	7074	7095	7121	7153	7150	7124	7106	7094
22.5	6865	6876	6899	6932	6972	6936	6907	6884	6870	6863
25.0	6650	6671	6706	6751	6712	6679	6654	6640	6630	6629
27.5	6414	6446	6495	6469	6434	6411	6396	6388	6388	6392
30.0	6165	6208	6214	6176	6151	6136	6132	6133	6141	6154
32.5	5902	5951	5905	5876	5861	5858	5863	5875	5891	5915
35.0	5624	5628	5592	5573	5570	5577	5592	5613	5599	5588
37.5	5339	5301	5277	5271	5277	5295	5309	5287	5272	5262
40.0	5017	4975	4962	4969	4986	4997	4973	4957	4947	4939
42.5	4690	4655	4650	4668	4686	4655	4640	4631	4624	4619
45.0	4359	4336	4344	4373	4338	4318	4310	4307	4304	4301
47.5	4026	4014	4038	4021	3989	3982	3981	3986	3987	3985
50.0	3687	3691	3708	3664	3644	3645	3656	3668	3655	3631
52.5	3337	3361	3338	3307	3300	3309	3334	3311	3291	3272
55.0	2979	2997	2967	2952	2957	2972	2956	2940	2928	2914
57.5	2621	2610	2600	2601	2611	2584	2575	2571	2566	2557
60.0	2255	2230	2239	2257	2211	2197	2197	2204	2204	2201
62.5	1851	1849	1886	1847	1811	1810	1823	1837	1844	1847
65.0	1420	1463	1489	1435	1411	1423	1451	1481	1516	1527
67.5	946.5	1061	1080	1031	1013	1039	1133	1190	1211	1211
70.0	524.6	684.9	703.3	634.4	645.8	785.3	870.3	907.0	911.9	897.7
72.5	280.0	389.6	368.0	333.6	466.7	568.0	621.0	632.6	617.8	587.8
75.0	161.2	194.8	172.7	229.5	313.1	369.4	383.5	365.4	328.2	280.6
77.5	99.61	104.3	118.5	145.4	180.3	186.4	156.5	104.6	92.69	86.50
80.0	61.20	67.14	72.06	75.10	63.67	51.72	45.23	39.14	31.87	23.26
82.5	33.83	34.01	30.65	25.04	16.64	6.974	0	0	0	0
85.0	10.30	6.964	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	7892	7892	7892	7892	7892	7892	7892	7892	7892	7892
2.5	7830	7829	7830	7830	7831	7832	7834	7836	7839	7841
5.0	7765	7766	7767	7768	7771	7773	7776	7778	7781	7785
7.5	7698	7701	7704	7707	7710	7712	7715	7718	7721	7725
10.0	7628	7634	7640	7645	7649	7652	7654	7656	7658	7659
12.5	7556	7566	7575	7583	7588	7591	7592	7593	7590	7586
15.0	7481	7497	7509	7520	7528	7529	7529	7526	7518	7510
17.5	7311	7305	7304	7305	7309	7315	7325	7335	7350	7370
20.0	7086	7082	7083	7086	7091	7096	7104	7113	7126	7141
22.5	6859	6859	6863	6868	6873	6877	6884	6889	6898	6908
25.0	6631	6635	6642	6649	6655	6658	6662	6664	6667	6671
27.5	6401	6410	6421	6430	6437	6439	6440	6437	6433	6431
30.0	6170	6185	6200	6212	6219	6219	6217	6208	6198	6187
32.5	5903	5897	5893	5894	5897	5900	5907	5915	5924	5939
35.0	5578	5573	5571	5572	5575	5577	5581	5586	5593	5603
37.5	5255	5252	5250	5251	5253	5254	5255	5257	5261	5265
40.0	4934	4930	4929	4931	4931	4931	4930	4928	4929	4926
42.5	4614	4611	4609	4609	4609	4608	4604	4600	4598	4594
45.0	4296	4291	4290	4288	4287	4284	4279	4273	4269	4262
47.5	3968	3950	3940	3933	3929	3928	3926	3927	3929	3927
50.0	3611	3593	3583	3576	3572	3570	3568	3568	3568	3565
52.5	3254	3237	3227	3219	3215	3213	3211	3211	3208	3205
55.0	2898	2882	2870	2863	2857	2855	2853	2854	2851	2847
57.5	2544	2527	2514	2506	2500	2497	2496	2497	2494	2486
60.0	2189	2174	2158	2150	2143	2140	2139	2141	2138	2128
62.5	1846	1834	1820	1811	1805	1803	1802	1803	1798	1778
65.0	1519	1502	1484	1474	1468	1467	1469	1476	1480	1471
67.5	1195	1171	1149	1136	1131	1131	1137	1150	1161	1167
70.0	871.7	841.3	814.0	799.0	793.3	794.7	804.9	825.0	845.2	862.8

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-14

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.938m [K=1.0000]

Remarks:

Photometric Data Table [cd]

72.5	550.4	511.9	479.4	461.6	455.9	459.0	473.3	501.0	532.2	562.9
75.0	230.2	183.1	145.1	124.3	118.6	123.3	142.0	178.0	221.2	266.5
77.5	78.20	69.63	62.35	59.53	59.31	59.06	60.78	67.24	74.30	80.36
80.0	14.98	8.220	3.507	0.8748	0	0.8677	3.417	7.936	14.22	21.60
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	7892	7892	7892	7892	7892	7892	7892	7892	7892	7892
2.5	7844	7846	7850	7853	7857	7861	7866	7870	7875	7880
5.0	7789	7794	7799	7805	7811	7817	7824	7832	7840	7849
7.5	7729	7732	7736	7741	7747	7754	7761	7770	7781	7793
10.0	7659	7660	7661	7664	7666	7671	7678	7687	7699	7713
12.5	7583	7580	7576	7573	7571	7573	7578	7586	7598	7614
15.0	7500	7489	7478	7469	7463	7459	7459	7462	7471	7485
17.5	7394	7391	7372	7354	7337	7323	7313	7309	7311	7322
20.0	7161	7187	7218	7222	7191	7167	7148	7134	7132	7139
22.5	6923	6942	6966	6997	7036	6996	6965	6943	6933	6936
25.0	6680	6690	6705	6730	6766	6810	6763	6727	6706	6703
27.5	6429	6430	6437	6452	6476	6511	6536	6483	6448	6433
30.0	6175	6164	6160	6162	6172	6194	6228	6214	6167	6144
32.5	5915	5892	5875	5863	5858	5865	5886	5930	5868	5834
35.0	5611	5616	5584	5558	5539	5531	5540	5568	5558	5514
37.5	5267	5270	5277	5249	5215	5197	5194	5211	5242	5184
40.0	4923	4917	4917	4923	4897	4868	4853	4856	4885	4856
42.5	4583	4575	4565	4559	4574	4545	4516	4508	4532	4536
45.0	4247	4230	4214	4207	4212	4230	4190	4172	4183	4217
47.5	3901	3877	3865	3854	3852	3869	3873	3841	3839	3878
50.0	3561	3561	3533	3511	3500	3508	3540	3515	3497	3524
52.5	3205	3197	3198	3171	3153	3148	3171	3191	3153	3170
55.0	2837	2826	2826	2829	2810	2798	2806	2836	2809	2807
57.5	2475	2468	2467	2462	2466	2450	2444	2457	2463	2436
60.0	2123	2114	2101	2095	2091	2101	2092	2090	2113	2075
62.5	1768	1761	1750	1731	1717	1730	1749	1732	1736	1722
65.0	1450	1420	1393	1372	1353	1353	1389	1382	1339	1315
67.5	1157	1138	1089	1018	990.1	983.6	1019	1024	931.7	790.4
70.0	870.0	870.0	840.6	771.0	652.1	620.0	671.6	660.0	537.9	406.4
72.5	587.1	605.5	599.5	558.5	474.8	346.3	356.8	386.9	274.4	211.6
75.0	309.2	345.3	367.5	362.6	315.7	235.7	167.5	187.5	154.4	124.5
77.5	84.29	93.89	145.3	177.9	177.1	144.9	110.7	93.13	89.92	81.60
80.0	28.95	34.77	39.55	43.82	55.06	68.94	64.06	58.68	53.15	49.28
82.5	0	0	0	5.893	13.82	20.39	24.32	28.22	28.34	25.62
85.0	0	0	0	0	0	0	0	5.382	7.492	10.09
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	7892	7892								
2.5	7886	7891								
5.0	7859	7870								
7.5	7806	7821								
10.0	7730	7750								
12.5	7634	7658								
15.0	7505	7532								
17.5	7341	7369								
20.0	7158	7189								
22.5	6955	6988								
25.0	6716	6751								
27.5	6442	6475								
30.0	6147	6180								
32.5	5832	5864								
35.0	5505	5533								
37.5	5166	5191								
40.0	4831	4849								
42.5	4502	4515								
45.0	4172	4177								
47.5	3843	3842								
50.0	3516	3507								
52.5	3187	3166								
55.0	2830	2792								
57.5	2460	2416								
60.0	2082	2052								
62.5	1683	1630								

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

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-14

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.938m [K=1.0000]

Remarks:

Photometric Data Table [cd]

65.0	1130	971.7
67.5	566.7	375.0
70.0	270.4	214.1
72.5	165.7	157.5
75.0	115.0	114.5
77.5	77.85	78.22
80.0	47.29	48.42
82.5	22.89	17.66
85.0	7.034	4.135
87.5	2.373	2.710
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: