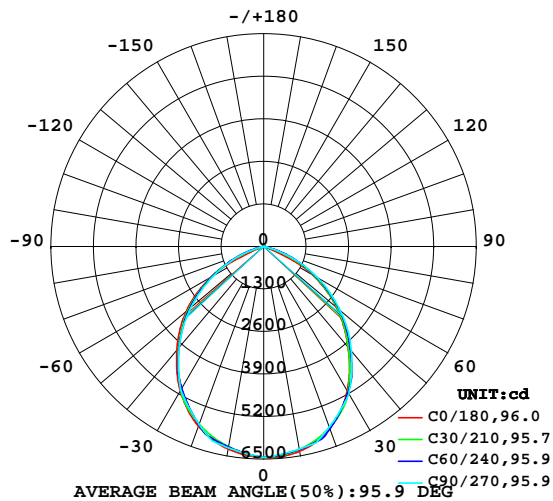


LUMINAIRE PHOTOMETRIC TEST REPORT

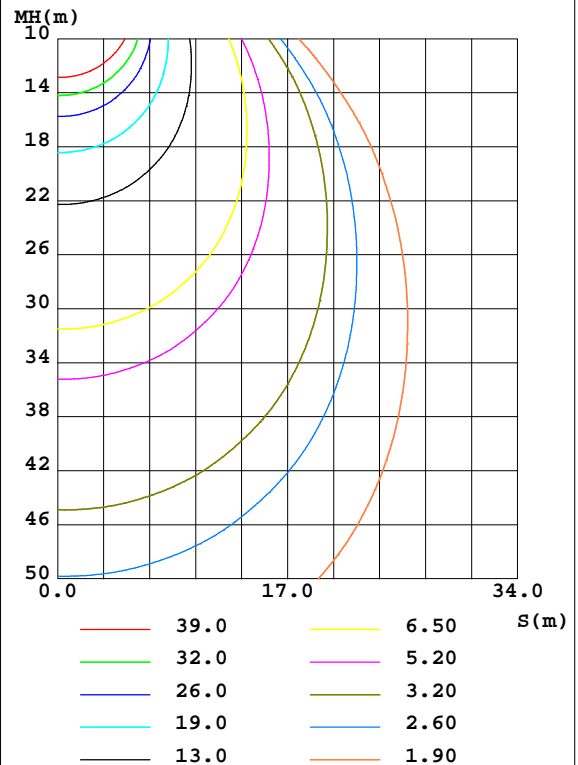
Test:U:120.05V I:0.6755A P:80.881W PF:0.9974 Freq:59.98Hz Lamp Flux:13994.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W/5000K/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 173.03 lm/W			
MODEL	GHSL-13-U	Imax(cd)	6455	S/MH(C0/180)	1.18
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	1.18
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	13995	η UP,DN(C0-180)	0.0,50.7
NOMINAL FLUX(lm)	13994.9	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:2024-11-14

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	6351	6294	6288	6236	6283	6209	6245	6260	0- 10	605.1	605.1	4.32,4.32
20	5911	5968	5874	5890	5843	5837	5785	5893	10- 20	1721	2326	16.6,16.6
30	5103	5122	5209	5094	5101	5004	5070	5025	20- 30	2527	4853	34.7,34.7
40	4016	4115	4168	4186	4135	4072	4017	4011	30- 40	2870	7723	55.2,55.2
50	2908	2964	3061	3084	3095	2966	2904	2868	40- 50	2724	10447	74.6,74.6
60	1709	1799	1887	1911	1852	1782	1732	1715	50- 60	2140	12587	89.9,89.9
70	169.7	700.2	705.4	749.1	184.3	630.2	640.5	634.7	60- 70	1156	13742	98.2,98.2
80	40.48	47.06	0	48.82	47.25	41.36	0	36.53	70- 80	244.9	13987	99.9,99.9
90	2.297	0	0	0	2.235	0	0	0	80- 90	7.456	13995	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): 9129.9 lm

%lum = 65.2%

%lamp = 65.2%

Conical surface Flux(120deg): 12587 lm

%lum = 89.9%

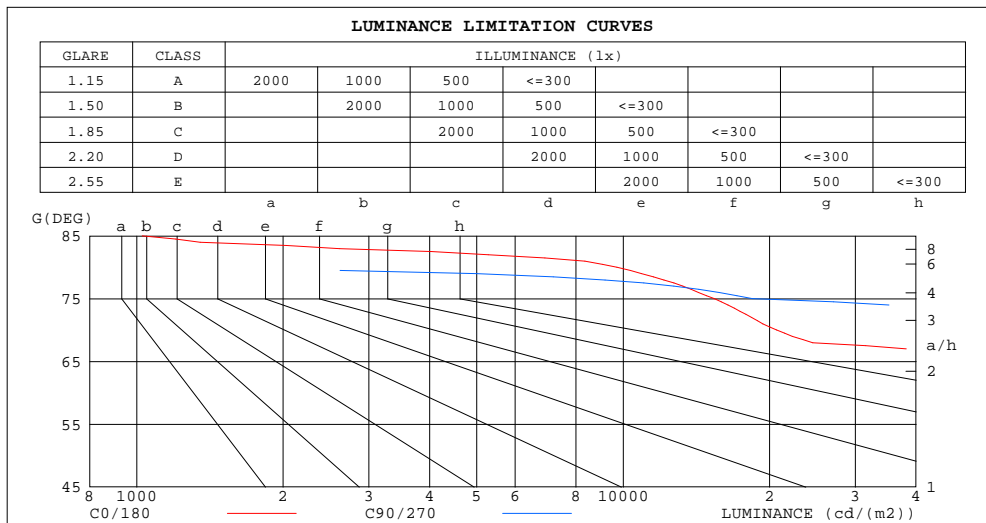
%lamp = 89.9%

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:

LUMINANCE LIMITATION CURVES

Test:U:120.05V I:0.6755A P:80.881W PF:0.9974 Freq:59.98Hz Lamp Flux:13994.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W/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(DEG)	C0/180	C90/270
85	1027	0
80	9713	0
75	15377	18430
70	20668	85939
65	75634	127812
60	142429	157277
55	168635	179718
50	188511	198395
45	204279	214917

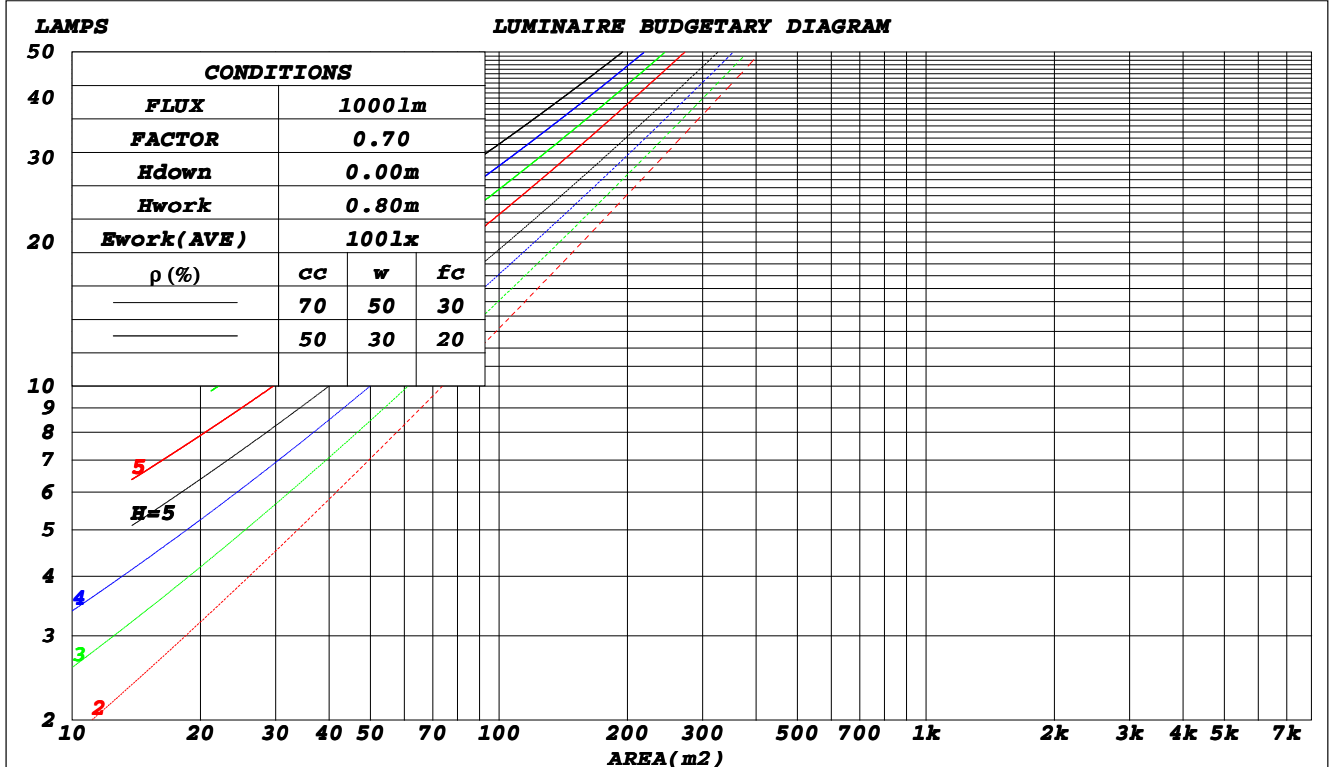
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-14

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:120.05V I:0.6755A P:80.881W PF:0.9974 Freq:59.98Hz Lamp Flux:13994.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W/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						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.07	1.04	1.00	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	.71	.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	.59	.57
5.0	.69	.60	.54	.68	.60	.54	.65	.59	.54	.64	.58	.53	.62	.57	.52	.51
6.0	.62	.54	.48	.61	.53	.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	.38	.51	.44	.38	.50	.43	.38	.49	.42	.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:120.05V I:0.6755A P:80.881W PF:0.9974 Freq:59.98Hz Lamp Flux:13994.9x1 lm					
NAME: LED Explosion-proof Light			TYPE:Flood Light		WEIGHT:N/A
SPEC.:80W/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	.139	.044	.230	.132	.042	.218	.126	.040	.207	.120	.039		
2.0	.246	.135	.041	.240	.132	.041	.228	.127	.039	.218	.122	.038	.208	.118	.037		
3.0	.234	.125	.037	.229	.123	.037	.219	.119	.036	.210	.115	.035	.201	.111	.034		
4.0	.221	.115	.034	.216	.113	.033	.208	.110	.033	.199	.107	.032	.192	.104	.032		
5.0	.208	.106	.031	.204	.105	.030	.196	.102	.030	.189	.100	.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	.165	.082	.023	.159	.081	.023	.154	.079	.023		
9.0	.163	.079	.022	.161	.078	.022	.156	.077	.022	.151	.076	.022	.147	.074	.022		
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	.107	.059	.026	.074	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.118	.063	.026	.102	.055	.023	.071	.039	.016	.041	.023	.010	.013	.007	.003	
10.0	.113	.059	.023	.097	.051	.020	.068	.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:120.05V I:0.6755A P:80.881W PF:0.9974 Freq:59.98Hz Lamp Flux:13994.9x1 lm										
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:80W/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	21.5	22.9	21.8	23.1	23.3
3H	21.3	22.6	21.6	22.8	23.0	22.2	23.4	22.5	23.6	23.9
4H	21.2	22.4	21.5	22.6	22.9	22.1	23.3	22.4	23.6	23.8
6H	21.1	22.2	21.4	22.5	22.8	22.0	23.2	22.4	23.4	23.7
8H	21.1	22.1	21.4	22.4	22.7	22.0	23.1	22.3	23.3	23.6
12H	21.0	22.0	21.4	22.3	22.6	21.9	23.0	22.3	23.3	23.6
4H 2H	21.5	22.7	21.8	22.9	23.2	21.8	23.0	22.1	23.3	23.5
3H	21.8	22.8	22.1	23.1	23.4	22.6	23.6	22.9	23.9	24.2
4H	21.7	22.6	22.1	22.9	23.3	22.6	23.5	23.0	23.8	24.2
6H	21.6	22.4	22.0	22.8	23.1	22.5	23.3	22.9	23.7	24.0
8H	21.6	22.3	22.0	22.7	23.1	22.5	23.2	22.9	23.6	24.0
12H	21.5	22.2	22.0	22.6	23.0	22.4	23.1	22.8	23.5	23.9
8H 4H	21.7	22.4	22.1	22.8	23.2	22.5	23.3	22.9	23.7	24.0
6H	21.6	22.2	22.1	22.6	23.1	22.5	23.1	22.9	23.5	23.9
8H	21.6	22.1	22.0	22.6	23.0	22.4	23.0	22.9	23.4	23.8
12H	21.5	22.0	22.0	22.5	22.9	22.4	22.8	22.8	23.3	23.8
12H 4H	21.6	22.3	22.1	22.7	23.1	22.5	23.2	22.9	23.6	24.0
6H	21.6	22.1	22.0	22.5	23.0	22.4	23.0	22.9	23.4	23.8
8H	21.5	22.0	22.0	22.5	22.9	22.4	22.8	22.8	23.3	23.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.7					+ 0.4 / - 0.5				
1.5H	+ 0.4 / - 0.8					+ 0.2 / - 0.4				
2.0H	+ 0.9 / - 0.8					+ 0.8 / - 0.9				

CIE Pub.117, 13995 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 9.2$)
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:120.05V I:0.6755A P:80.881W PF:0.9974 Freq:59.98Hz Lamp Flux:13994.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W/5000K/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

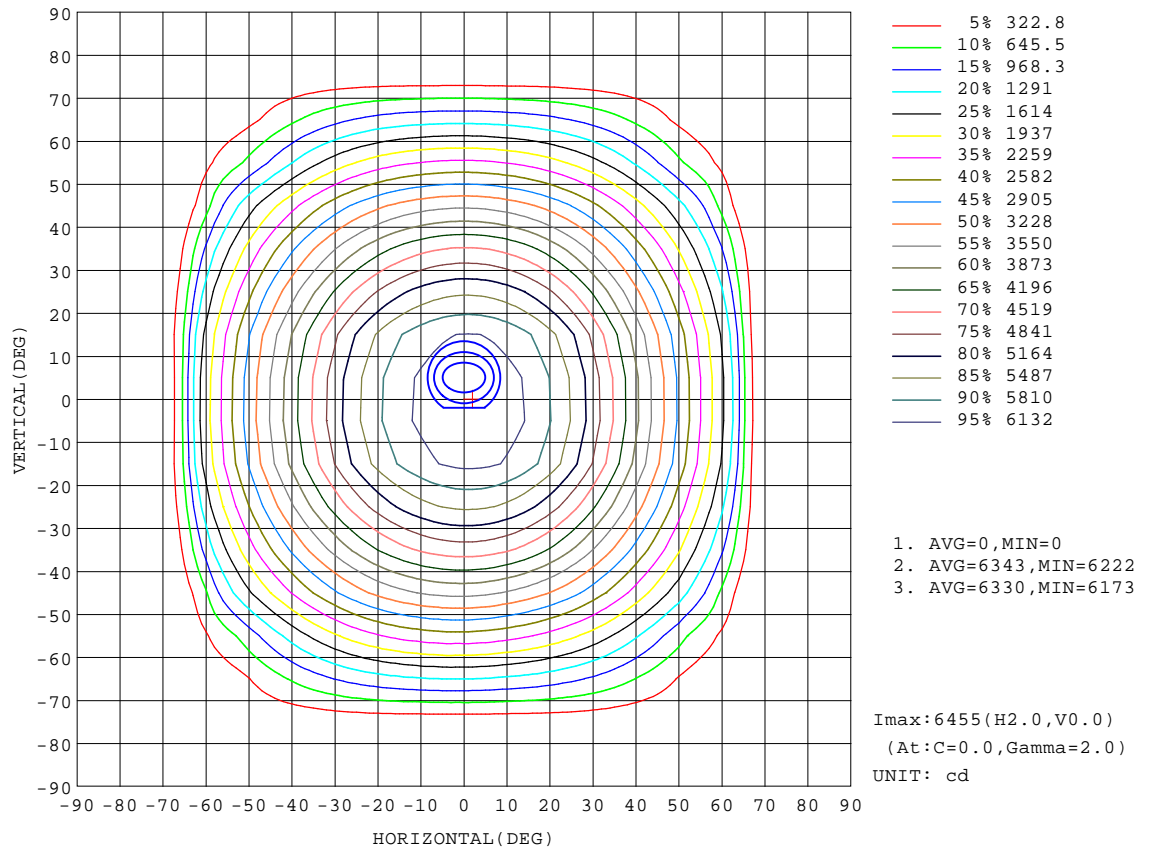
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	63	52	46	62	52	46	61	52	46	40
0.80	74	63	57	73	63	56	71	62	56	50
1.00	82	72	66	81	72	66	79	73	65	59
1.25	89	80	74	88	79	74	85	78	73	66
1.50	94	85	79	92	84	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	104	101	107	103	99	103	99	97	88
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:120.05V I:0.6755A P:80.881W PF:0.9974 Freq:59.98Hz Lamp Flux:13994.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W/5000K/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



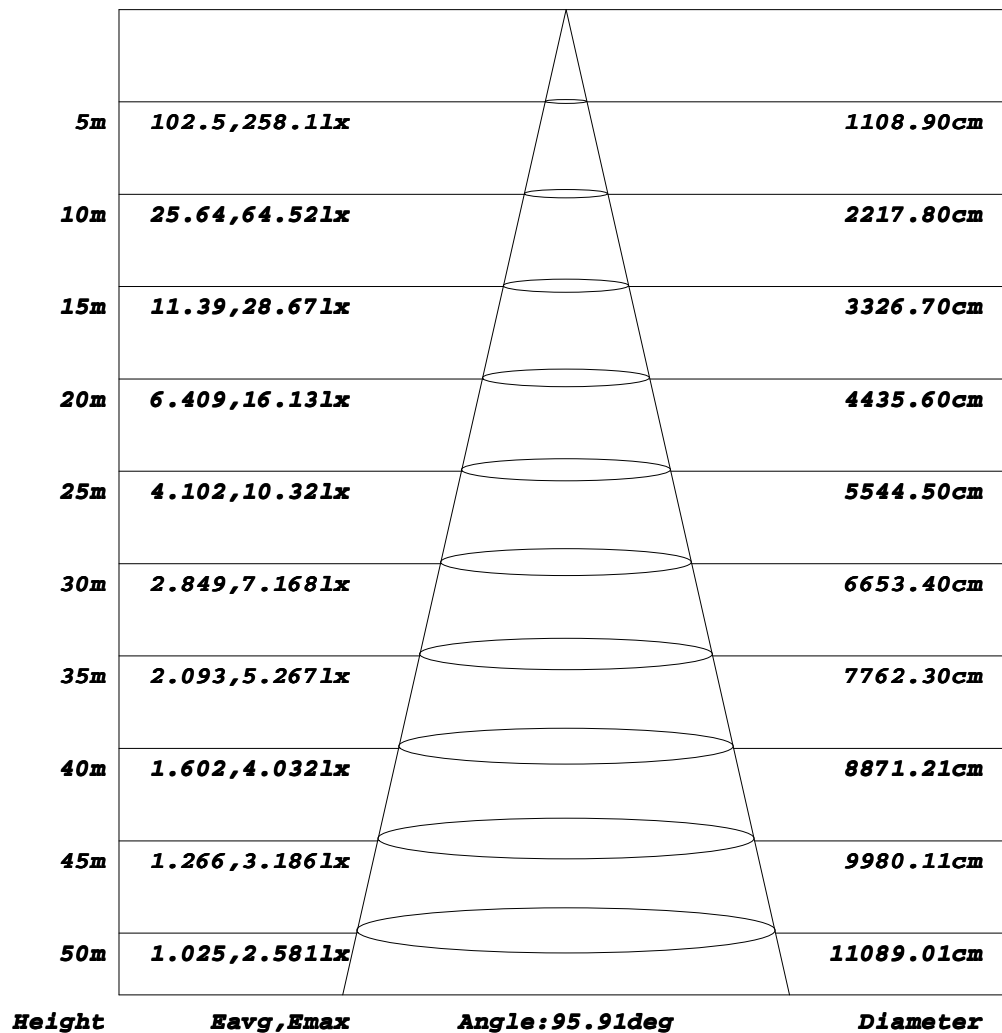
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-14

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:120.05V I:0.6755A P:80.881W PF:0.9974 Freq:59.98Hz Lamp Flux:13994.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W/5000K/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:9934 lm



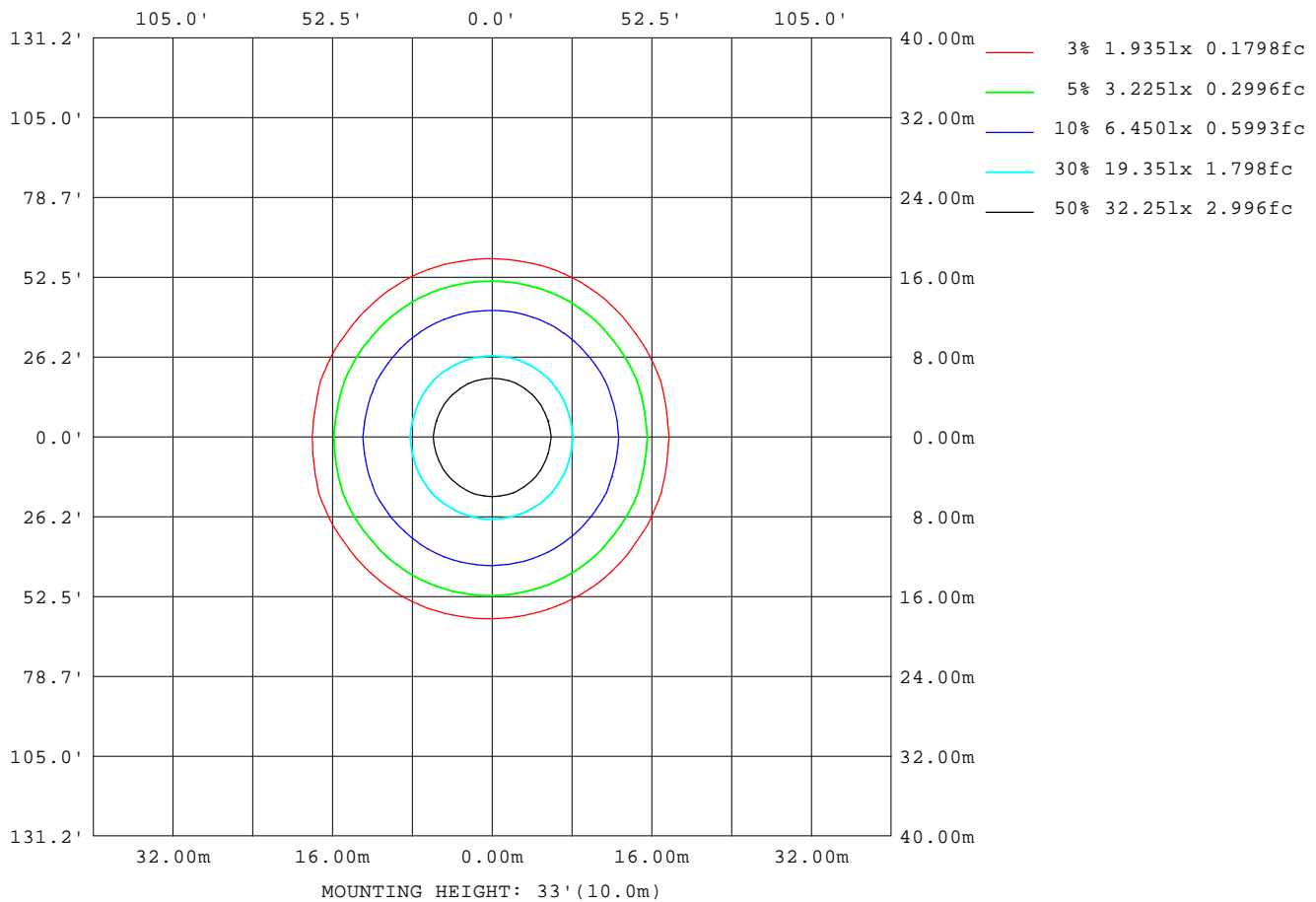
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:120.05V I:0.6755A P:80.881W PF:0.9974 Freq:59.98Hz Lamp Flux:13994.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W/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:120.05V I:0.6755A P:80.881W PF:0.9974 Freq:59.98Hz Lamp Flux:13994.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W/5000K/90°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

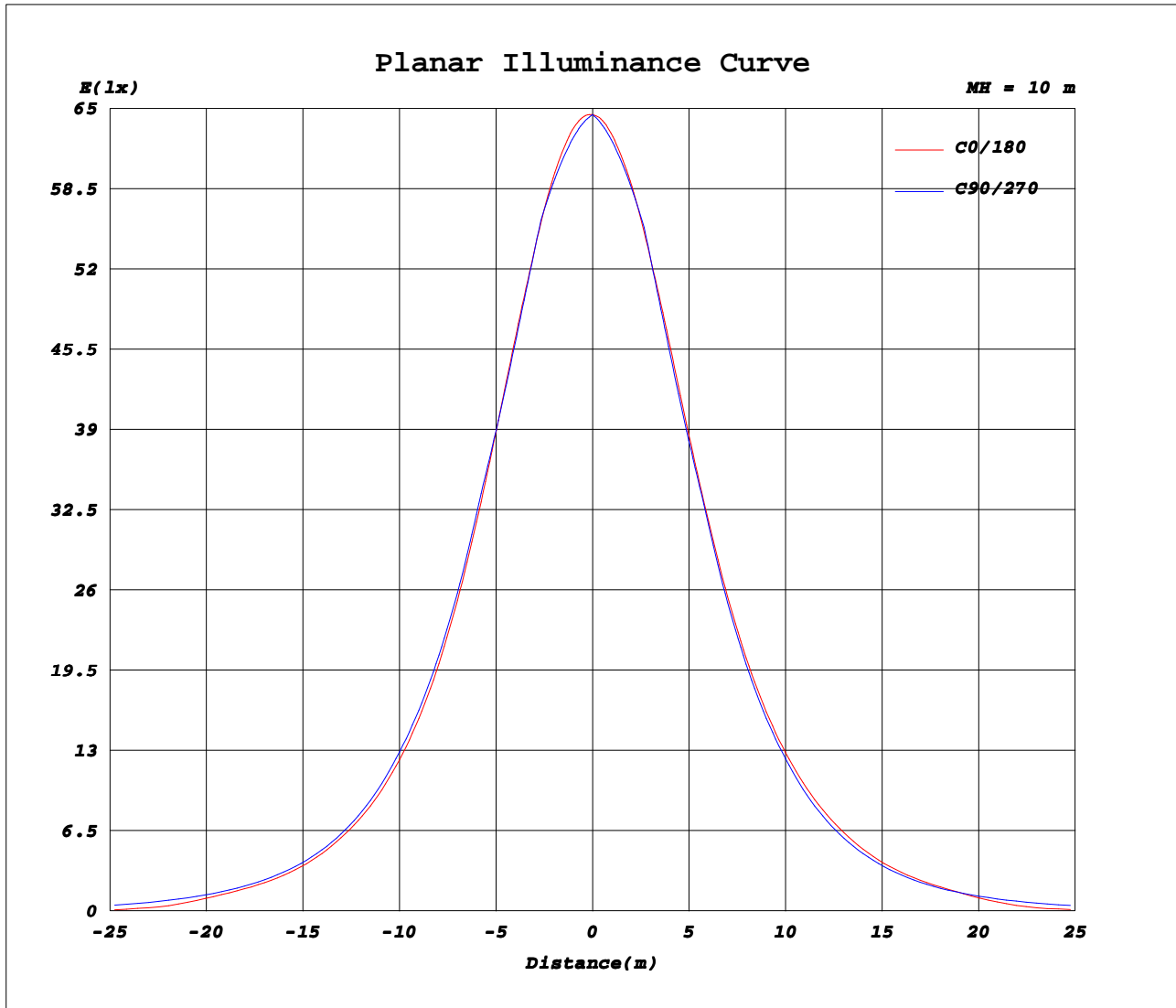
AvgL	cd/m2
L_0~180(65)av	76612
L_0~180(75)av	16094
L_0~180(85)av	1153
L_90~270(65)av	122379
L_90~270(75)av	16852
L_90~270(85)av	0
L_45(65)av	117477
L_45(75)av	51654
L_45(85)av	0

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	6450	6450	6450	6450	6450	6450	6450	6450	6450	6450
2.5	6455	6451	6448	6444	6441	6437	6434	6431	6429	6426
5.0	6442	6435	6428	6422	6416	6410	6405	6400	6396	6393
7.5	6405	6395	6385	6377	6371	6364	6359	6355	6352	6349
10.0	6351	6337	6325	6315	6307	6302	6297	6295	6293	6294
12.5	6280	6262	6247	6236	6228	6224	6222	6222	6225	6228
15.0	6183	6161	6145	6135	6130	6128	6131	6136	6143	6154
17.5	6053	6029	6013	6005	6003	6007	6017	6031	6049	6067
20.0	5911	5884	5867	5859	5861	5870	5887	5910	5937	5968
22.5	5750	5719	5702	5696	5704	5721	5747	5779	5816	5790
25.0	5562	5526	5508	5506	5520	5548	5588	5636	5603	5577
27.5	5340	5302	5285	5288	5311	5350	5404	5392	5370	5356
30.0	5103	5061	5044	5052	5083	5133	5153	5132	5123	5122
32.5	4847	4802	4787	4798	4838	4900	4875	4865	4866	4879
35.0	4577	4530	4516	4535	4584	4603	4590	4592	4607	4630
37.5	4298	4251	4240	4265	4322	4309	4306	4318	4344	4379
40.0	4016	3972	3965	3996	4031	4018	4027	4050	4084	4115
42.5	3743	3698	3696	3734	3741	3734	3752	3789	3820	3819
45.0	3467	3424	3426	3471	3455	3460	3488	3532	3526	3529
47.5	3190	3149	3159	3195	3173	3187	3229	3237	3233	3244
50.0	2908	2871	2889	2906	2895	2920	2954	2942	2945	2964
52.5	2629	2591	2618	2615	2613	2656	2650	2644	2659	2688
55.0	2321	2286	2324	2314	2328	2365	2350	2353	2379	2411
57.5	2010	1978	2019	2006	2040	2055	2053	2067	2097	2103
60.0	1709	1681	1710	1709	1749	1745	1762	1788	1786	1799
62.5	1351	1328	1386	1422	1440	1448	1497	1477	1480	1500
65.0	767.1	803.9	946.8	1094	1121	1161	1178	1169	1179	1205
67.5	289.3	321.2	476.6	671.0	786.3	870.3	871.7	867.6	883.6	913.6
70.0	169.7	175.4	227.0	347.2	464.5	572.4	582.9	567.5	608.3	700.2
72.5	129.1	127.9	138.4	182.7	242.1	336.4	318.0	328.5	444.6	510.7
75.0	95.52	92.89	95.13	106.2	135.6	166.1	155.3	224.8	300.1	334.6
77.5	66.04	63.18	64.63	70.19	79.85	84.62	103.7	140.1	172.2	169.9
80.0	40.48	38.74	39.64	43.05	47.97	54.62	62.10	69.45	57.93	47.06
82.5	12.65	14.57	19.65	23.20	26.76	28.25	26.74	22.09	14.89	6.339
85.0	2.148	4.199	7.189	10.34	8.648	5.948	0	0	0	0
87.5	1.909	3.627	3.652	0	0	0	0	0	0	0
90.0	2.297	0	0	0	0	0	0	0	0	0
G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	6450	6450	6450	6450	6450	6450	6450	6450	6450	6450
2.5	6423	6421	6419	6417	6415	6413	6412	6411	6410	6409
5.0	6389	6386	6383	6380	6378	6375	6373	6371	6369	6367
7.5	6347	6344	6342	6341	6338	6336	6333	6331	6328	6326
10.0	6294	6295	6297	6296	6296	6295	6293	6291	6288	6284
12.5	6233	6239	6244	6248	6251	6253	6252	6250	6247	6243
15.0	6165	6176	6186	6196	6204	6209	6210	6209	6207	6201
17.5	6087	6107	6110	6092	6077	6065	6055	6046	6040	6037
20.0	5970	5948	5931	5915	5904	5895	5887	5879	5874	5870
22.5	5770	5756	5744	5734	5728	5723	5718	5713	5708	5703
25.0	5561	5555	5552	5550	5548	5549	5548	5545	5541	5536
27.5	5347	5347	5354	5361	5367	5373	5378	5378	5375	5369
30.0	5125	5135	5151	5169	5184	5195	5207	5210	5209	5202
32.5	4896	4917	4944	4973	4966	4958	4956	4952	4949	4946
35.0	4660	4695	4696	4694	4692	4689	4690	4689	4688	4687
37.5	4411	4411	4413	4416	4419	4420	4424	4427	4428	4429
40.0	4118	4125	4133	4139	4146	4151	4158	4164	4168	4170
42.5	3830	3842	3854	3864	3873	3882	3892	3901	3908	3912
45.0	3545	3563	3578	3591	3603	3613	3626	3638	3647	3654
47.5	3265	3289	3306	3321	3325	3327	3335	3345	3354	3363
50.0	2990	3018	3025	3026	3028	3032	3040	3051	3061	3070
52.5	2720	2724	2726	2729	2733	2736	2746	2757	2767	2778
55.0	2416	2423	2429	2433	2439	2443	2451	2463	2474	2485
57.5	2115	2126	2135	2139	2146	2151	2157	2170	2181	2193
60.0	1817	1832	1843	1849	1855	1861	1863	1876	1887	1900
62.5	1523	1542	1552	1562	1570	1573	1573	1583	1592	1603
65.0	1232	1260	1282	1292	1294	1289	1284	1290	1296	1306
67.5	975.7	1015	1027	1026	1019	1007	996.4	997.4	1001	1009
70.0	753.3	776.9	776.7	764.0	746.0	725.8	709.1	704.6	705.4	711.8
72.5	540.6	545.1	530.3	505.1	475.5	446.3	422.1	411.8	410.0	415.1
75.0	336.7	318.8	287.5	248.5	206.8	167.4	135.4	119.2	114.5	118.4
77.5	140.5	97.58	88.17	82.80	74.59	66.12	59.35	57.43	57.24	57.01
80.0	41.89	36.92	30.30	22.26	14.29	7.805	3.337	0.8439	0	0.8377
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	6450	6450	6450	6450	6450	6450	6450	6450	6450	6450
2.5	6408	6408	6407	6408	6408	6409	6410	6412	6413	6415
5.0	6366	6365	6364	6364	6363	6363	6362	6363	6364	6366
7.5	6323	6321	6317	6314	6311	6308	6305	6303	6302	6302
10.0	6280	6274	6267	6261	6254	6247	6241	6236	6233	6232
12.5	6236	6226	6215	6204	6192	6181	6171	6162	6155	6151
15.0	6190	6176	6162	6145	6127	6110	6094	6080	6068	6058
17.5	6032	6031	6032	6037	6045	6034	6011	5990	5969	5952
20.0	5863	5861	5859	5861	5866	5877	5894	5890	5860	5832
22.5	5695	5690	5685	5683	5684	5692	5704	5720	5740	5705
25.0	5527	5518	5510	5503	5500	5502	5506	5517	5538	5566
27.5	5358	5346	5334	5321	5313	5306	5304	5309	5322	5343
30.0	5190	5174	5157	5138	5122	5107	5097	5094	5097	5110
32.5	4945	4945	4947	4954	4928	4906	4888	4874	4868	4873
35.0	4686	4685	4686	4691	4697	4702	4673	4651	4636	4631
37.5	4428	4427	4426	4428	4431	4437	4447	4427	4402	4387
40.0	4170	4169	4168	4168	4168	4169	4174	4186	4168	4144
42.5	3913	3912	3911	3910	3907	3904	3902	3907	3924	3902
45.0	3657	3656	3655	3653	3648	3640	3632	3631	3642	3664
47.5	3369	3377	3389	3399	3391	3376	3365	3357	3359	3376
50.0	3076	3082	3094	3108	3121	3118	3100	3084	3078	3087
52.5	2784	2788	2798	2811	2821	2827	2837	2814	2797	2796
55.0	2492	2496	2505	2514	2520	2524	2529	2539	2519	2505
57.5	2200	2206	2215	2220	2222	2222	2221	2225	2237	2217
60.0	1908	1918	1925	1929	1930	1925	1916	1911	1912	1934
62.5	1613	1626	1636	1641	1638	1627	1613	1598	1588	1603
65.0	1317	1334	1349	1359	1358	1335	1311	1286	1267	1267
67.5	1021	1042	1063	1080	1086	1075	1041	978.6	943.6	936.1
70.0	726.1	751.3	778.3	802.5	818.6	821.3	803.4	749.1	644.0	605.7
72.5	431.4	460.9	494.9	528.1	556.8	574.8	576.1	544.9	469.2	343.9
75.0	137.0	171.2	212.7	256.4	298.8	334.3	357.1	355.8	315.6	234.5
77.5	59.87	67.10	75.38	82.66	87.98	98.30	146.3	179.7	181.1	147.0
80.0	3.369	7.916	14.44	22.21	30.25	36.90	42.36	48.82	61.53	74.58
82.5	0	0	0	0	0	0	0	6.587	15.90	24.42
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	6450	6450	6450	6450	6450	6450	6450	6450	6450	6450
2.5	6417	6419	6422	6424	6427	6431	6434	6430	6426	6422
5.0	6367	6370	6374	6378	6384	6390	6397	6388	6380	6373
7.5	6304	6307	6312	6318	6326	6335	6345	6332	6321	6311
10.0	6232	6234	6239	6246	6257	6269	6283	6266	6250	6237
12.5	6149	6150	6153	6161	6171	6185	6202	6181	6163	6149
15.0	6051	6047	6048	6053	6063	6079	6100	6074	6054	6039
17.5	5938	5928	5923	5926	5936	5953	5977	5948	5925	5910
20.0	5811	5797	5788	5788	5797	5815	5843	5808	5784	5769
22.5	5674	5651	5637	5631	5638	5655	5685	5647	5621	5607
25.0	5523	5489	5465	5453	5454	5470	5502	5461	5436	5426
27.5	5356	5311	5278	5260	5259	5274	5308	5263	5237	5228
30.0	5135	5124	5080	5055	5049	5064	5101	5052	5024	5018
32.5	4890	4922	4870	4836	4825	4838	4875	4823	4797	4795
35.0	4639	4661	4650	4605	4585	4594	4632	4579	4555	4560
37.5	4385	4398	4420	4367	4340	4345	4382	4330	4309	4320
40.0	4131	4134	4158	4129	4097	4099	4135	4082	4063	4080
42.5	3879	3872	3893	3893	3853	3849	3884	3831	3817	3839
45.0	3629	3615	3624	3654	3604	3596	3630	3577	3567	3599
47.5	3384	3355	3354	3390	3352	3337	3369	3317	3314	3334
50.0	3117	3093	3079	3103	3085	3062	3095	3041	3043	3041
52.5	2814	2828	2795	2805	2810	2777	2807	2753	2763	2743
55.0	2510	2533	2505	2499	2515	2467	2494	2444	2466	2436
57.5	2211	2214	2212	2185	2204	2148	2171	2126	2159	2123
60.0	1913	1901	1914	1875	1875	1835	1852	1811	1829	1816
62.5	1624	1593	1584	1563	1515	1445	1423	1421	1468	1492
65.0	1300	1284	1235	1175	1014	853.2	787.0	836.6	973.0	1111
67.5	960.3	958.2	839.6	711.7	507.8	372.2	297.3	368.5	486.8	660.8
70.0	639.8	629.6	482.5	357.5	244.1	192.9	184.3	191.2	234.9	330.7
72.5	347.0	360.7	261.0	189.3	155.0	140.9	139.6	138.1	148.7	175.7
75.0	167.6	179.5	147.2	119.8	107.3	104.6	104.4	101.7	101.8	111.7
77.5	113.1	94.96	90.33	81.56	75.18	73.44	73.84	70.48	70.26	74.90

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	69.21	62.59	56.68	52.05	49.03	47.50	47.25	44.78	44.43	46.10
82.5	31.16	33.83	32.93	29.66	26.98	21.84	18.18	17.91	22.69	24.75
85.0	0	7.486	12.02	12.97	10.87	6.329	2.677	4.689	7.542	9.853
87.5	0	0	0	0	2.978	3.073	1.940	2.183	1.800	0
90.0	0	0	0	0	0	0	2.235	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	6450	6450	6450	6450	6450	6450	6450	6450	6450	6450
2.5	6418	6415	6412	6409	6407	6404	6402	6400	6399	6398
5.0	6367	6362	6358	6354	6351	6349	6347	6346	6345	6345
7.5	6302	6295	6290	6286	6283	6282	6282	6283	6285	6286
10.0	6226	6218	6213	6210	6209	6209	6211	6215	6220	6225
12.5	6138	6130	6126	6125	6125	6128	6136	6142	6151	6160
15.0	6029	6024	6023	6026	6032	6041	6052	6064	6078	6092
17.5	5903	5902	5906	5915	5928	5944	5962	5982	5988	5975
20.0	5763	5767	5776	5792	5814	5837	5836	5814	5799	5787
22.5	5605	5614	5632	5658	5691	5661	5635	5617	5605	5597
25.0	5430	5445	5472	5509	5476	5449	5429	5415	5409	5406
27.5	5236	5260	5299	5277	5248	5229	5217	5210	5209	5213
30.0	5033	5066	5070	5037	5017	5004	4999	5001	5006	5017
32.5	4817	4857	4818	4793	4779	4776	4780	4789	4802	4819
35.0	4590	4592	4562	4546	4542	4547	4558	4574	4563	4552
37.5	4356	4325	4305	4298	4303	4316	4326	4307	4295	4287
40.0	4095	4059	4047	4052	4066	4072	4051	4037	4029	4023
42.5	3826	3797	3792	3806	3820	3793	3778	3769	3764	3761
45.0	3556	3536	3541	3565	3535	3516	3508	3504	3501	3502
47.5	3285	3273	3291	3277	3250	3240	3238	3240	3241	3244
50.0	3008	3009	3022	2984	2967	2966	2971	2980	2969	2954
52.5	2717	2740	2718	2693	2685	2692	2706	2688	2672	2659
55.0	2427	2441	2416	2402	2405	2416	2398	2386	2376	2365
57.5	2135	2125	2116	2115	2122	2099	2089	2085	2080	2073
60.0	1837	1814	1820	1834	1794	1782	1782	1785	1786	1782
62.5	1507	1503	1532	1499	1468	1465	1475	1485	1492	1493
65.0	1151	1187	1207	1163	1141	1150	1171	1195	1225	1234
67.5	766.8	857.5	874.8	833.1	815.7	834.8	912.4	959.8	978.5	978.5
70.0	424.1	552.2	568.6	510.1	516.0	630.2	700.7	731.3	736.5	725.2
72.5	222.8	314.0	296.7	266.7	373.1	455.5	499.6	509.7	498.6	474.5
75.0	130.4	157.3	140.1	183.8	250.0	295.8	308.2	294.2	264.4	225.9
77.5	80.70	84.37	95.42	116.3	144.0	149.3	125.5	83.74	74.07	69.09
80.0	49.48	54.22	57.72	60.10	50.89	41.36	36.16	31.29	25.47	18.58
82.5	27.26	27.33	24.37	20.01	13.31	5.575	0	0	0	0
85.0	8.165	5.550	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	6450	6450	6450	6450	6450	6450	6450	6450	6450	6450
2.5	6397	6397	6397	6398	6399	6400	6401	6403	6405	6408
5.0	6344	6344	6344	6346	6348	6350	6352	6355	6357	6360
7.5	6288	6291	6292	6293	6296	6299	6302	6304	6307	6310
10.0	6229	6234	6239	6241	6245	6249	6250	6252	6253	6255
12.5	6169	6176	6185	6189	6193	6198	6198	6198	6197	6194
15.0	6107	6118	6129	6137	6142	6146	6144	6143	6137	6131
17.5	5966	5961	5959	5961	5963	5969	5976	5986	5999	6015
20.0	5781	5779	5778	5781	5785	5789	5796	5803	5815	5826
22.5	5595	5595	5597	5602	5606	5609	5615	5620	5627	5635
25.0	5407	5411	5416	5423	5427	5430	5433	5435	5437	5441
27.5	5219	5226	5234	5243	5248	5250	5250	5249	5245	5243
30.0	5029	5041	5053	5063	5070	5069	5067	5061	5052	5043
32.5	4810	4804	4802	4803	4806	4809	4813	4820	4828	4840
35.0	4546	4541	4539	4540	4543	4545	4547	4551	4557	4564
37.5	4282	4278	4277	4277	4280	4281	4281	4282	4286	4290
40.0	4018	4015	4015	4015	4017	4016	4015	4014	4015	4014
42.5	3757	3754	3753	3752	3753	3751	3749	3746	3745	3742
45.0	3498	3494	3492	3490	3490	3487	3483	3478	3475	3471
47.5	3229	3215	3205	3199	3197	3195	3194	3195	3199	3201
50.0	2937	2922	2913	2907	2904	2902	2901	2901	2906	2909
52.5	2645	2630	2621	2615	2611	2609	2608	2609	2612	2615
55.0	2353	2339	2329	2323	2318	2316	2315	2317	2321	2322
57.5	2063	2049	2038	2030	2025	2023	2023	2026	2030	2031
60.0	1773	1760	1746	1738	1732	1730	1731	1736	1740	1742
62.5	1493	1484	1472	1465	1459	1458	1458	1462	1462	1456
65.0	1229	1215	1200	1192	1186	1186	1188	1196	1202	1203
67.5	966.0	947.0	928.7	918.5	913.3	913.8	919.1	931.8	944.2	952.8
70.0	704.5	679.8	657.7	645.5	640.5	642.0	650.3	668.2	687.8	705.4

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	444.3	413.1	387.0	372.5	367.7	370.4	382.0	405.3	433.0	460.7
75.0	185.1	147.0	116.4	99.51	94.87	98.73	113.9	143.2	179.3	218.1
77.5	62.48	55.63	49.89	47.63	47.44	47.25	48.63	53.83	59.94	65.62
80.0	11.97	6.569	2.806	0.7000	0	0.6942	2.734	6.354	11.48	17.63
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	6450	6450	6450	6450	6450	6450	6450	6450	6450	6450
2.5	6410	6412	6415	6418	6422	6425	6429	6433	6437	6441
5.0	6364	6368	6372	6377	6382	6387	6393	6400	6408	6416
7.5	6313	6316	6320	6324	6329	6335	6341	6349	6358	6368
10.0	6255	6256	6258	6260	6262	6266	6272	6280	6290	6302
12.5	6192	6189	6185	6183	6183	6185	6189	6196	6206	6219
15.0	6123	6113	6105	6098	6093	6090	6091	6094	6103	6114
17.5	6033	6032	6016	6002	5989	5978	5971	5968	5971	5981
20.0	5843	5863	5890	5893	5869	5849	5834	5825	5824	5831
22.5	5647	5664	5683	5709	5740	5710	5686	5669	5662	5665
25.0	5448	5457	5469	5490	5520	5558	5520	5492	5476	5474
27.5	5243	5243	5249	5263	5283	5313	5334	5292	5265	5254
30.0	5034	5025	5022	5025	5035	5053	5082	5073	5033	5016
32.5	4821	4803	4789	4781	4778	4784	4802	4837	4789	4763
35.0	4572	4576	4551	4531	4516	4510	4519	4543	4536	4500
37.5	4292	4294	4300	4278	4251	4238	4237	4250	4277	4232
40.0	4013	4011	4010	4011	3992	3970	3956	3961	3986	3963
42.5	3736	3730	3723	3718	3728	3705	3683	3677	3696	3702
45.0	3462	3452	3438	3431	3434	3448	3417	3400	3411	3442
47.5	3191	3177	3160	3148	3143	3154	3153	3128	3129	3163
50.0	2912	2907	2887	2868	2857	2860	2879	2861	2851	2874
52.5	2615	2615	2617	2593	2575	2567	2581	2598	2570	2585
55.0	2321	2319	2317	2317	2297	2281	2288	2310	2289	2289
57.5	2029	2025	2020	2015	2019	2000	1994	2003	2006	1985
60.0	1740	1735	1725	1715	1711	1725	1707	1703	1721	1691
62.5	1453	1447	1434	1419	1408	1414	1429	1412	1414	1403
65.0	1193	1169	1147	1126	1108	1107	1133	1126	1090	1069
67.5	952.4	938.6	899.4	835.6	811.2	801.3	830.6	834.7	756.0	640.7
70.0	716.2	714.8	691.0	634.7	536.8	505.6	547.9	536.3	434.4	332.5
72.5	483.8	497.2	492.1	459.3	388.0	281.9	290.4	313.8	221.6	167.0
75.0	254.9	285.0	302.1	297.3	258.3	191.4	136.2	152.0	125.5	101.3
77.5	69.23	77.65	119.9	146.7	144.7	116.9	90.01	75.68	73.09	66.23
80.0	23.77	28.75	32.77	36.53	45.40	56.08	51.94	47.46	42.90	39.86
82.5	0	0	0	4.916	11.43	16.62	19.55	22.69	22.81	20.57
85.0	0	0	0	0	0	0	0	4.293	5.939	8.072
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	6450	6450								
2.5	6446	6450								
5.0	6424	6433								
7.5	6379	6391								
10.0	6316	6333								
12.5	6236	6256								
15.0	6131	6154								
17.5	5997	6021								
20.0	5848	5875								
22.5	5681	5709								
25.0	5486	5515								
27.5	5262	5290								
30.0	5020	5049								
32.5	4763	4791								
35.0	4494	4519								
37.5	4219	4240								
40.0	3944	3961								
42.5	3676	3688								
45.0	3406	3413								
47.5	3138	3139								
50.0	2868	2861								
52.5	2599	2583								
55.0	2308	2279								
57.5	2006	1972								
60.0	1698	1675								
62.5	1373	1320								

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	925.9	793.4
67.5	464.9	316.2
70.0	217.4	174.7
72.5	134.9	128.1
75.0	93.57	93.32
77.5	63.31	63.70
80.0	38.35	39.36
82.5	18.47	14.22
85.0	5.576	3.289
87.5	1.860	2.119
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: