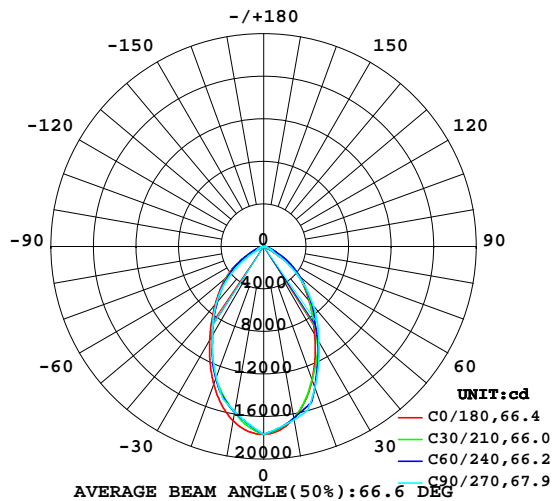


LUMINAIRE PHOTOMETRIC TEST REPORT

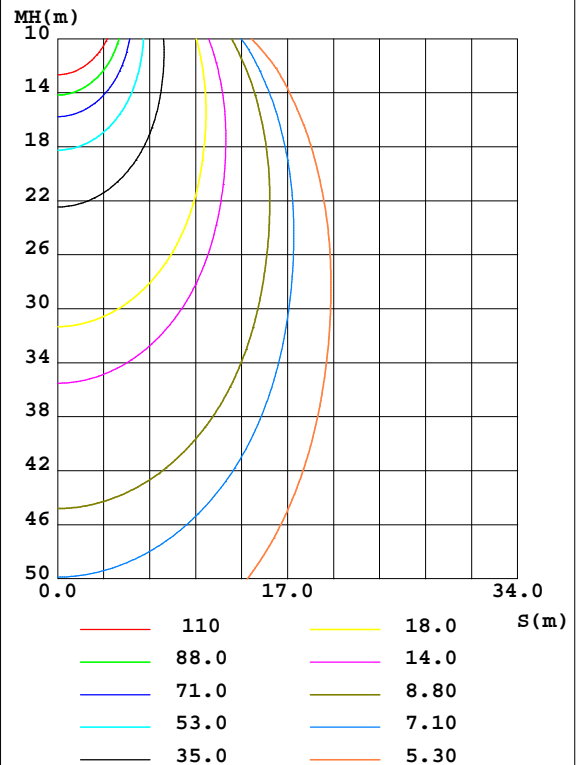
Test:U:120.03V I:1.2749A P:152.91W PF:0.9993 Freq:59.98Hz Lamp Flux:24864x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/60°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 162.60 lm/W			
MODEL	GHSL-24-U	I _{max} (cd)	17667	S/MH(C0/180)	0.94
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	0.90
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	24864	η UP,DN(C0-180)	0.0,50.9
NOMINAL FLUX(lm)	24864	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.1
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	1.00

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	1643	1634	1654	1628	1664	1581	1578	1581	0- 10	1599	1599	6.43,6.43
20	1335	1412	1411	1391	1377	1316	1310	1324	10- 20	4198	5797	23.3,23.3
30	962.0	999.4	1037	1019	1018	975.3	963.3	958.9	20- 30	5346	11142	44.8,44.8
40	666.1	682.1	727.1	708.0	709.9	688.6	691.0	668.2	30- 40	5190	16332	65.7,65.7
50	427.3	440.9	416.2	466.5	467.5	451.7	397.2	434.2	40- 50	4328	20660	83.1,83.1
60	70.74	225.1	104.6	243.2	118.2	228.8	81.90	217.8	50- 60	2846	23506	94.5,94.5
70	26.69	50.32	45.37	56.57	31.21	46.55	37.05	45.07	60- 70	1082	24588	98.9,98.9
80	4.924	7.140	0	7.723	7.326	6.875	0	6.782	70- 80	264.2	24852	100,100
90	0.2752	0	0	0	0.2245	0	0	0	80- 90	11.65	24864	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:×10cd									UNIT: lm		

Conical surface Flux(90deg): 18641 lm

%lum = 75.0%

%lamp = 75.0%

Conical surface Flux(120deg): 23506 lm

%lum = 94.5%

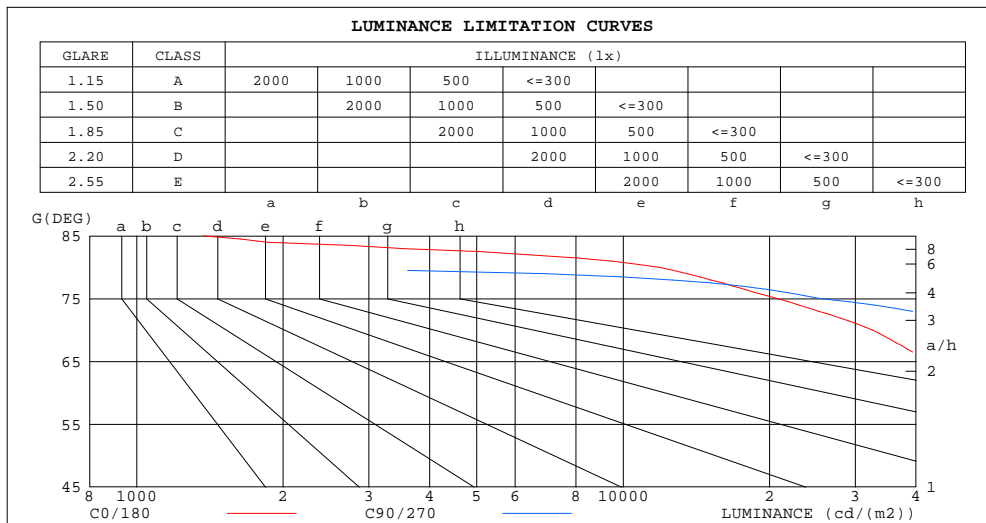
%lamp = 94.5%

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:120.03V I:1.2749A P:152.91W PF:0.9993 Freq:59.98Hz Lamp Flux:24864x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/60°	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	1369	0
80	11814	0
75	20762	25391
70	32519	55270
65	42401	74788
60	58951	87144
55	208185	189878
50	276980	269793
45	320062	337261

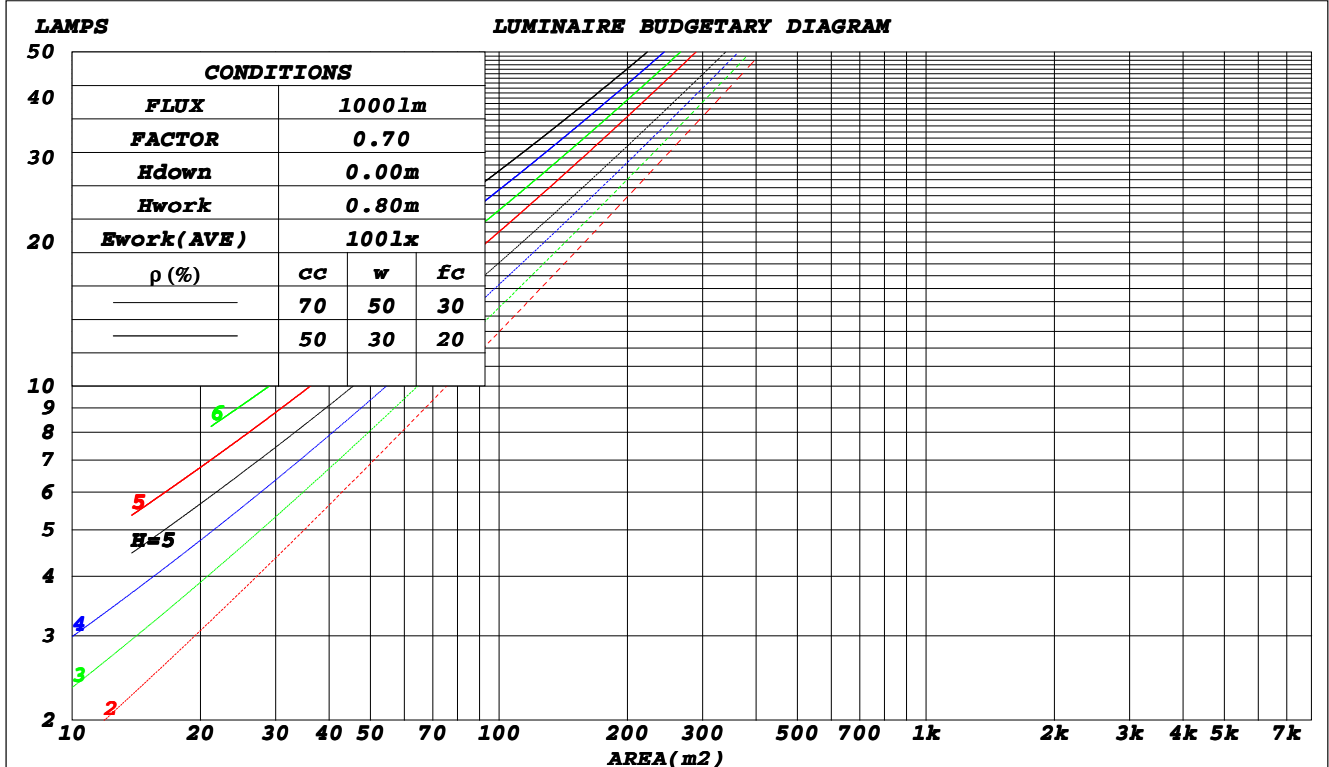
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-14

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:120.03V I:1.2749A P:152.91W PF:0.9993 Freq:59.98Hz Lamp Flux:24864x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/60°	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	1.00
1.0	1.08	1.05	1.02	1.06	1.03	1.01	1.02	.00	.98	.98	.96	.95	.95	.93	.92	.90
2.0	.98	.93	.88	.96	.91	.87	.93	.89	.85	.90	.86	.83	.87	.84	.82	.80
3.0	.89	.82	.77	.87	.81	.76	.84	.79	.75	.82	.78	.74	.79	.76	.73	.71
4.0	.81	.73	.68	.79	.73	.68	.77	.71	.67	.75	.70	.66	.73	.69	.65	.63
5.0	.74	.66	.61	.72	.66	.60	.71	.64	.60	.69	.63	.59	.67	.62	.59	.57
6.0	.67	.60	.54	.67	.59	.54	.65	.59	.54	.63	.58	.53	.62	.57	.53	.51
7.0	.62	.55	.49	.61	.54	.49	.60	.54	.49	.59	.53	.49	.57	.52	.48	.47
8.0	.57	.50	.45	.57	.50	.45	.56	.49	.45	.54	.49	.44	.53	.48	.44	.43
9.0	.53	.46	.41	.53	.46	.41	.52	.45	.41	.51	.45	.41	.50	.45	.41	.39
10.0	.50	.43	.38	.49	.43	.38	.48	.42	.38	.47	.42	.38	.47	.41	.38	.36



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:120.03V I:1.2749A P:152.91W PF:0.9993 Freq:59.98Hz Lamp Flux:24864x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/60°	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	.225	.128	.041	.218	.125	.040	.205	.118	.038	.194	.112	.036	.183	.106	.034		
2.0	.220	.121	.037	.214	.118	.036	.203	.113	.035	.193	.108	.034	.184	.104	.033		
3.0	.211	.112	.034	.206	.110	.033	.196	.106	.032	.187	.102	.031	.179	.099	.031		
4.0	.200	.104	.031	.195	.102	.030	.187	.099	.030	.179	.096	.029	.172	.093	.028		
5.0	.189	.096	.028	.185	.095	.028	.177	.092	.027	.170	.090	.027	.164	.088	.026		
6.0	.178	.089	.026	.175	.088	.025	.168	.086	.025	.162	.084	.025	.156	.082	.024		
7.0	.169	.083	.024	.166	.082	.024	.160	.081	.023	.154	.079	.023	.149	.077	.023		
8.0	.160	.078	.022	.157	.077	.022	.152	.076	.022	.147	.074	.021	.142	.073	.021		
9.0	.151	.073	.020	.149	.073	.020	.144	.071	.020	.140	.070	.020	.135	.069	.020		
10.0	.144	.069	.019	.142	.068	.019	.137	.067	.019	.133	.066	.019	.129	.065	.019		

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	.174	.157	.141	.149	.135	.121	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.163	.132	.107	.139	.114	.092	.096	.079	.064	.055	.046	.038	.018	.015	.012	
3.0	.153	.114	.083	.131	.098	.072	.090	.068	.050	.052	.040	.030	.017	.013	.010	
4.0	.145	.100	.066	.124	.086	.057	.085	.060	.040	.049	.035	.024	.016	.011	.008	
5.0	.137	.089	.053	.118	.077	.046	.081	.054	.033	.047	.032	.019	.015	.010	.006	
6.0	.130	.080	.044	.112	.069	.038	.077	.049	.027	.045	.029	.016	.014	.009	.005	
7.0	.124	.073	.037	.107	.063	.033	.074	.044	.023	.043	.026	.014	.014	.009	.005	
8.0	.118	.067	.032	.102	.058	.028	.070	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.113	.062	.028	.097	.054	.024	.067	.038	.017	.039	.022	.010	.013	.007	.003	
10.0	.108	.058	.025	.093	.050	.021	.064	.035	.015	.038	.021	.009	.012	.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:120.03V I:1.2749A P:152.91W PF:0.9993 Freq:59.98Hz Lamp Flux:24864x1 lm										
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:150W/5000K/60°					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	19.3	20.6	19.6	20.8	20.9	19.6	20.8	19.8	21.0	21.2
3H	19.2	20.4	19.5	20.6	20.8	19.8	20.9	20.1	21.1	21.3
4H	19.2	20.2	19.5	20.5	20.7	19.7	20.8	20.0	21.0	21.3
6H	19.1	20.1	19.4	20.3	20.6	19.6	20.6	20.0	20.9	21.2
8H	19.0	20.0	19.4	20.3	20.5	19.6	20.6	19.9	20.8	21.1
12H	19.0	19.9	19.3	20.2	20.5	19.5	20.5	19.9	20.7	21.0
4H 2H	19.5	20.6	19.8	20.9	21.1	19.7	20.8	20.0	21.1	21.3
3H	19.5	20.4	19.9	20.7	21.0	20.1	21.0	20.4	21.3	21.6
4H	19.5	20.3	19.8	20.6	20.9	20.1	20.9	20.4	21.2	21.5
6H	19.4	20.1	19.8	20.5	20.8	20.0	20.7	20.4	21.1	21.4
8H	19.3	20.0	19.7	20.4	20.8	19.9	20.6	20.3	21.0	21.4
12H	19.3	19.9	19.7	20.3	20.7	19.9	20.5	20.3	20.9	21.3
8H 4H	19.4	20.1	19.8	20.4	20.8	20.0	20.7	20.4	21.0	21.4
6H	19.3	19.9	19.8	20.3	20.7	19.9	20.5	20.3	20.8	21.3
8H	19.3	19.8	19.7	20.2	20.6	19.9	20.3	20.3	20.8	21.2
12H	19.3	19.7	19.7	20.1	20.6	19.8	20.2	20.3	20.7	21.1
12H 4H	19.4	20.0	19.8	20.4	20.7	19.9	20.5	20.3	20.9	21.3
6H	19.3	19.8	19.7	20.2	20.6	19.9	20.3	20.3	20.8	21.2
8H	19.3	19.7	19.7	20.1	20.6	19.8	20.2	20.3	20.7	21.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.8 / - 1.4					+ 0.9 / - 1.4				
1.5H	+ 0.4 / - 0.8					+ 0.4 / - 0.8				
2.0H	+ 1.7 / - 7.1					+ 1.9 / - 5.8				

CIE Pub.117, 24864 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 11.2$)
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:120.03V I:1.2749A P:152.91W PF:0.9993 Freq:59.98Hz Lamp Flux:24864x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/60°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

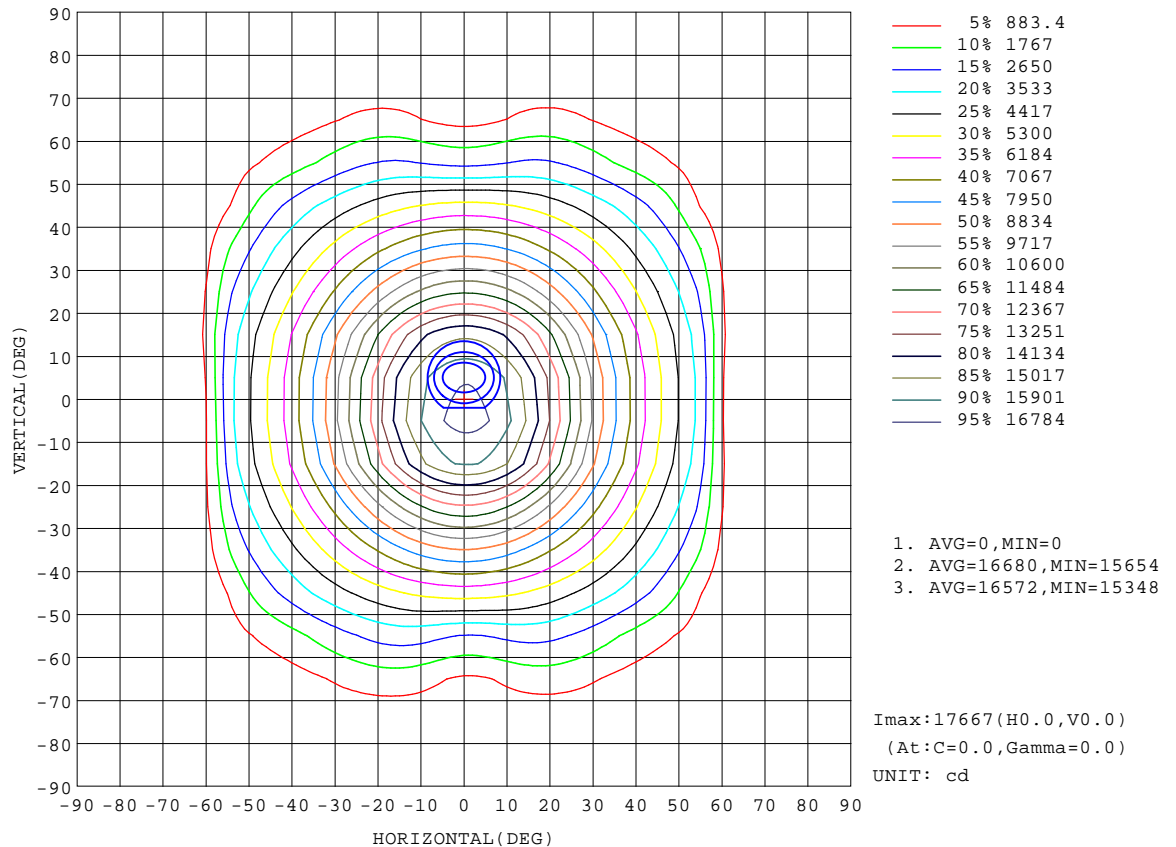
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	70	60	54	69	60	54	68	59	54	49
0.80	79	70	65	79	70	64	77	69	64	58
1.00	87	79	73	86	78	73	84	79	72	67
1.25	93	86	80	92	85	80	90	84	79	73
1.50	97	90	85	96	89	85	93	88	84	78
2.00	103	97	92	101	95	91	98	93	90	83
2.50	105	100	95	103	98	94	100	96	93	86
3.00	108	103	99	106	101	98	102	99	96	88
4.00	110	106	103	108	105	102	104	101	99	91
5.00	112	109	106	110	107	104	106	103	101	93
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:120.03V I:1.2749A P:152.91W PF:0.9993 Freq:59.98Hz Lamp Flux:24864x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/60°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



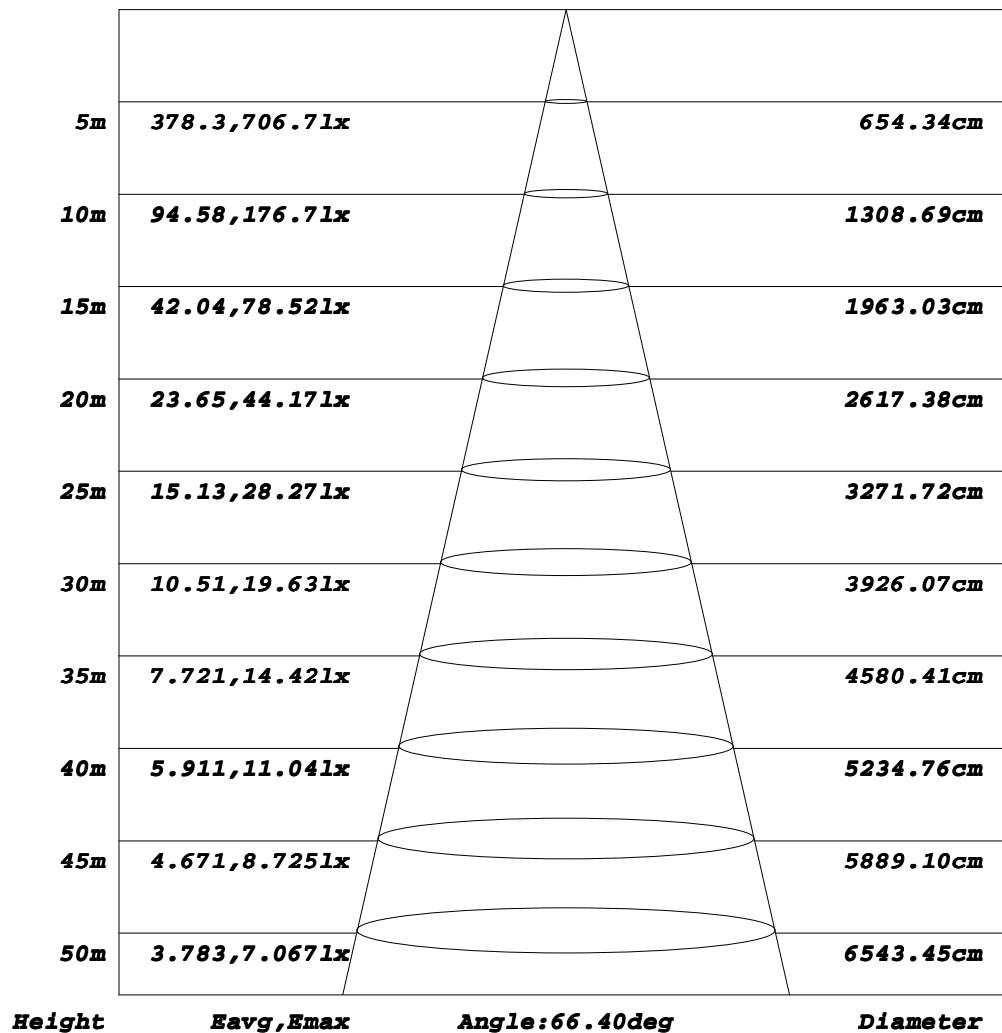
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-14

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:120.03V I:1.2749A P:152.91W PF:0.9993 Freq:59.98Hz Lamp Flux:24864x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/60°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:13017 lm



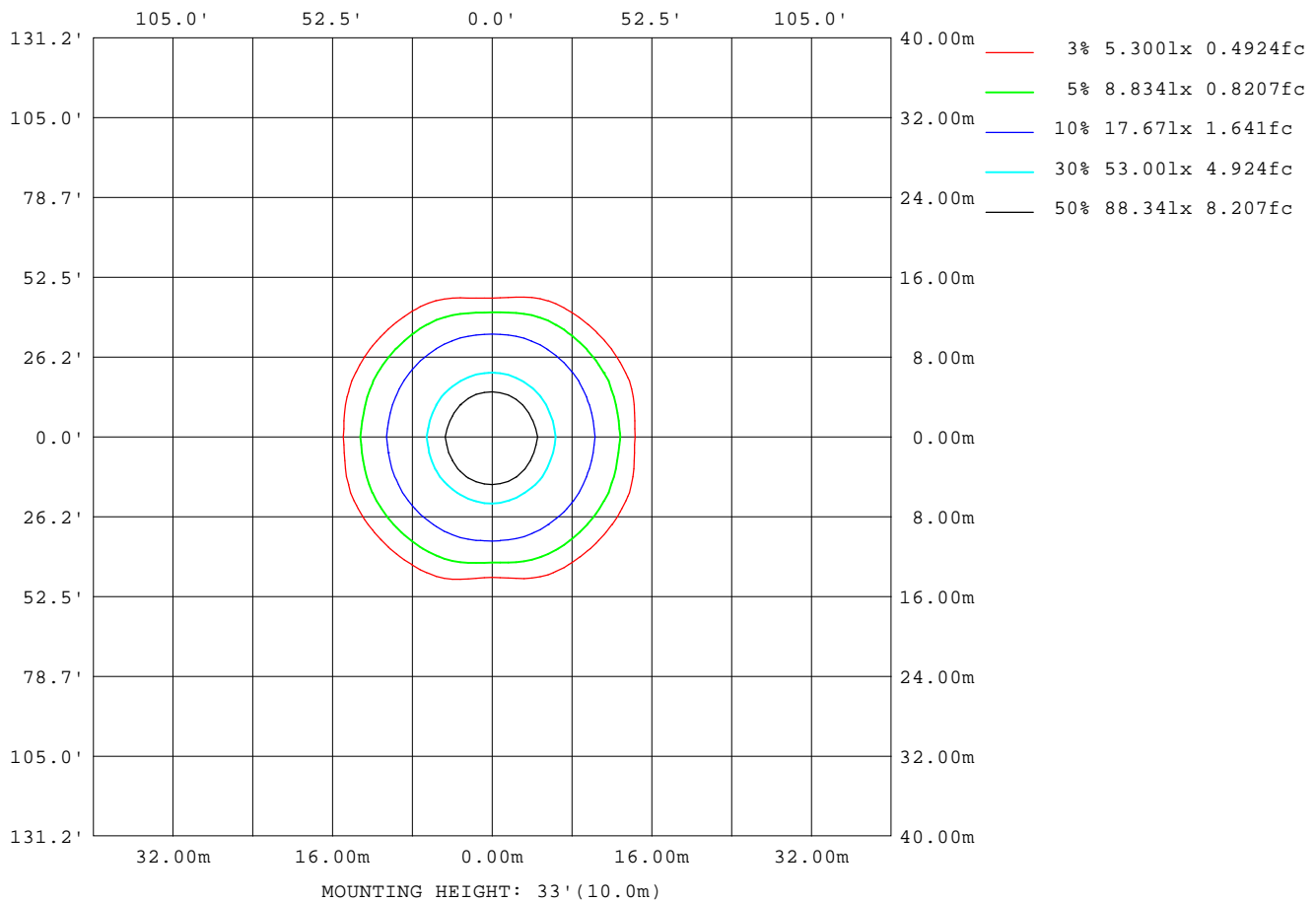
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.03V I:1.2749A P:152.91W PF:0.9993 Freq:59.98Hz Lamp Flux:24864x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/60°	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:120.03V I:1.2749A P:152.91W PF:0.9993 Freq:59.98Hz Lamp Flux:24864x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/60°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

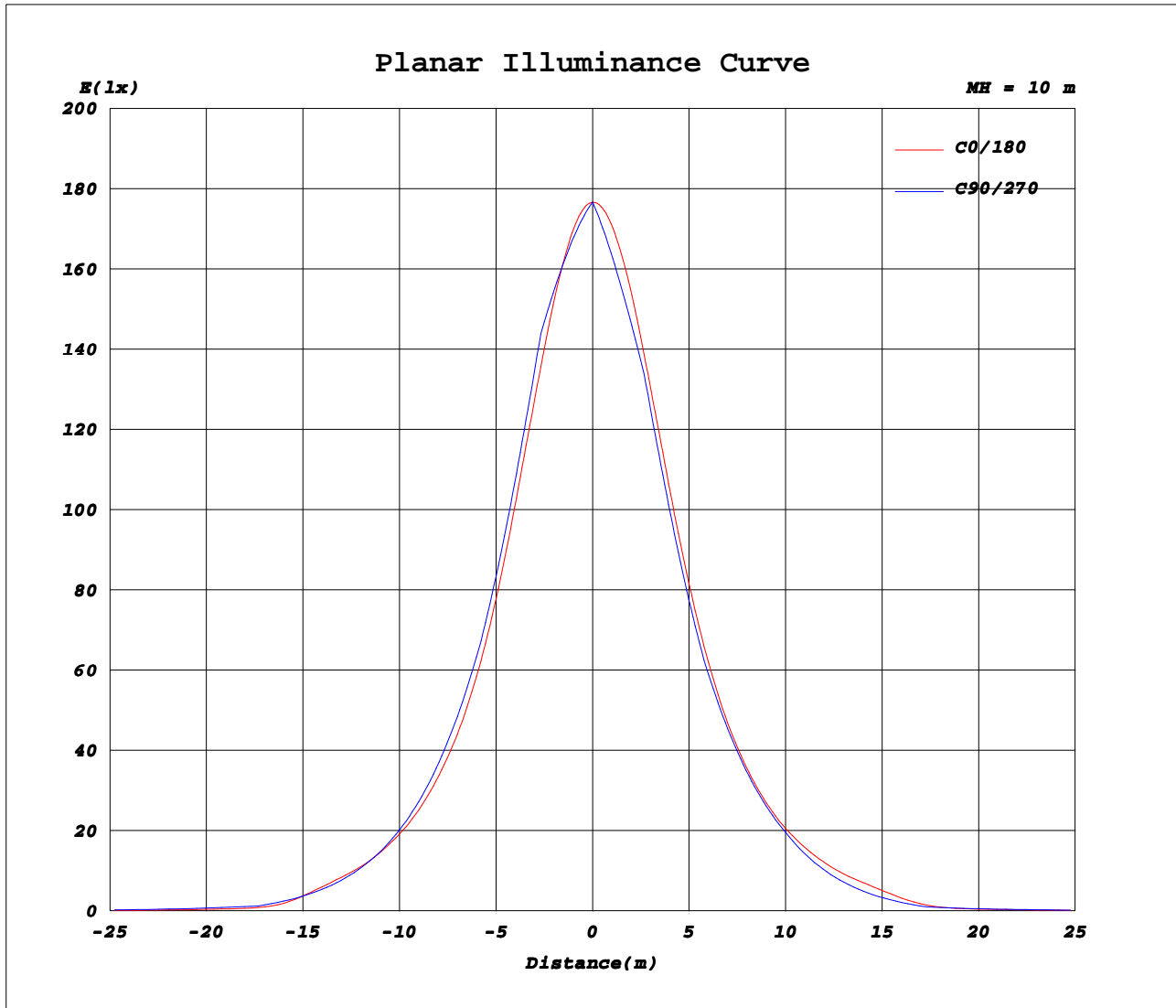
AvgL	cd/m2
L_0~180(65)av	45573
L_0~180(75)av	24102
L_0~180(85)av	2185
L_90~270(65)av	66526
L_90~270(75)av	24535
L_90~270(85)av	0
L_45(65)av	117942
L_45(75)av	41545
L_45(85)av	0

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	17667	17667	17667	17667	17667	17667	17667	17667	17667	17667
2.5	17572	17550	17530	17511	17494	17479	17465	17453	17441	17429
5.0	17330	17293	17261	17233	17210	17191	17176	17166	17156	17147
7.5	16941	16896	16862	16837	16822	16811	16808	16812	16816	16809
10.0	16429	16381	16350	16335	16335	16348	16364	16341	16331	16335
12.5	15787	15743	15725	15732	15757	15767	15736	15728	15740	15772
15.0	15053	15015	15011	15039	15071	15016	14999	15012	15056	15190
17.5	14237	14208	14223	14280	14225	14177	14173	14240	14450	14666
20.0	13347	13331	13370	13408	13308	13267	13321	13570	13838	14122
22.5	12411	12408	12470	12431	12331	12297	12563	12875	13211	13132
25.0	11461	11474	11560	11438	11337	11472	11794	12164	12057	11970
27.5	10521	10550	10636	10458	10369	10669	11035	11007	10906	10857
30.0	9620	9667	9700	9526	9582	9901	10031	9910	9858	9994
32.5	8795	8853	8831	8664	8852	9180	9018	8904	9057	9205
35.0	8025	8099	8036	7907	8187	8255	8098	8176	8337	8372
37.5	7322	7407	7302	7282	7578	7421	7359	7519	7583	7541
40.0	6661	6761	6613	6696	6858	6655	6754	6868	6824	6821
42.5	6025	6142	5955	6138	6126	6037	6200	6166	6147	6244
45.0	5432	5557	5334	5611	5433	5501	5569	5509	5600	5684
47.5	4857	4967	4800	5020	4820	5002	4941	4979	5081	5031
50.0	4273	4367	4278	4378	4333	4415	4375	4486	4453	4409
52.5	3709	3784	3780	3742	3867	3837	3894	3911	3849	3929
55.0	2866	3055	3259	3139	3349	3313	3403	3315	3394	3456
57.5	1582	1910	2458	2531	2748	2830	2794	2841	2946	2836
60.0	707.4	913.4	1350	1822	2048	2260	2224	2422	2328	2251
62.5	538.8	557.1	696.4	1092	1448	1560	1770	1834	1768	1751
65.0	430.1	437.3	468.5	613.1	916.5	1026	1247	1305	1305	1220
67.5	343.3	353.4	380.5	431.3	507.3	670.2	780.8	927.2	817.4	670.8
70.0	266.9	286.0	304.7	336.7	368.2	412.8	552.9	551.7	401.0	503.2
72.5	191.4	219.6	212.7	228.8	270.3	302.7	341.7	299.1	321.4	386.6
75.0	129.0	137.4	152.4	175.5	186.9	209.0	214.7	233.0	234.2	253.8
77.5	83.21	87.09	94.66	105.4	128.0	138.6	156.8	154.7	149.7	152.6
80.0	49.24	57.19	61.53	69.33	76.46	89.73	91.38	87.72	77.63	71.40
82.5	15.83	22.98	28.49	34.28	40.47	42.46	41.56	32.86	22.04	9.587
85.0	2.863	7.287	10.70	13.99	13.34	8.874	0	0	0	0
87.5	2.276	4.205	4.426	0	0	0	0	0	0	0
90.0	2.752	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	17667	17667	17667	17667	17667	17667	17667	17667	17667	17667
2.5	17419	17410	17404	17399	17393	17388	17384	17383	17383	17381
5.0	17142	17138	17131	17128	17121	17116	17111	17103	17099	17090
7.5	16801	16798	16799	16803	16806	16813	16815	16817	16819	16812
10.0	16346	16367	16395	16423	16453	16482	16507	16526	16539	16539
12.5	15819	15892	15983	16063	16133	16189	16228	16249	16254	16243
15.0	15344	15491	15624	15739	15835	15908	15954	15975	15970	15940
17.5	14881	15083	15176	15121	15083	15057	15048	15040	15038	15033
20.0	14210	14140	14092	14063	14052	14054	14065	14086	14107	14118
22.5	13058	13012	12991	13026	13074	13112	13142	13165	13174	13174
25.0	11912	11967	12048	12114	12167	12206	12231	12246	12241	12225
27.5	10971	11072	11160	11211	11218	11237	11260	11289	11307	11306
30.0	10120	10199	10188	10188	10202	10232	10278	10327	10372	10392
32.5	9243	9212	9188	9181	9300	9409	9498	9563	9599	9598
35.0	8328	8275	8371	8492	8601	8693	8763	8811	8826	8808
37.5	7517	7615	7720	7828	7886	7936	7982	8023	8048	8044
40.0	6911	7004	7044	7073	7112	7153	7193	7233	7271	7282
42.5	6332	6316	6318	6329	6375	6421	6449	6474	6497	6500
45.0	5650	5624	5649	5689	5716	5728	5722	5719	5724	5718
47.5	4991	5036	5070	5084	5075	5050	4998	4953	4943	4968
50.0	4468	4503	4496	4482	4449	4383	4282	4189	4162	4222
52.5	3979	3926	3902	3886	3847	3739	3575	3427	3388	3489
55.0	3373	3328	3342	3351	3284	3116	2875	2668	2614	2761
57.5	2773	2801	2835	2833	2730	2516	2214	1935	1830	1999
60.0	2262	2296	2298	2278	2174	1932	1566	1206	1046	1238
62.5	1733	1718	1728	1736	1725	1556	1272	1003	902.1	1068
65.0	1146	1181	1356	1455	1438	1283	1036	817.4	758.6	918.9
67.5	789.7	971.7	1112	1178	1149	1026	836.4	663.3	606.1	722.9
70.0	637.1	759.0	842.8	880.7	858.5	772.6	638.4	509.0	453.7	522.9
72.5	456.9	525.7	572.7	591.9	567.3	502.9	413.9	335.8	305.7	344.2
75.0	291.9	325.2	338.4	319.9	277.3	226.7	183.2	160.8	157.7	164.7
77.5	160.5	146.8	141.4	130.9	115.8	101.0	87.68	79.96	78.86	81.92
80.0	67.67	58.77	48.57	35.23	22.20	11.92	4.937	1.175	0	1.204
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	17667	17667	17667	17667	17667	17667	17667	17667	17667	17667
2.5	17381	17383	17388	17394	17399	17406	17416	17428	17443	17458
5.0	17085	17079	17075	17075	17073	17078	17084	17093	17110	17130
7.5	16805	16796	16780	16764	16743	16722	16701	16681	16672	16688
10.0	16532	16517	16493	16460	16421	16374	16326	16280	16232	16191
12.5	16220	16184	16138	16088	16039	15994	15930	15844	15760	15683
15.0	15890	15818	15734	15642	15549	15461	15384	15320	15253	15127
17.5	15031	15016	15004	14986	14972	14884	14758	14646	14559	14501
20.0	14126	14122	14108	14087	14064	14035	14000	13908	13776	13684
22.5	13169	13162	13161	13170	13178	13131	13072	13012	12953	12828
25.0	12199	12174	12155	12149	12157	12178	12182	12099	12018	11947
27.5	11287	11254	11205	11144	11121	11131	11160	11212	11128	11028
30.0	10395	10377	10341	10288	10219	10135	10138	10186	10256	10174
32.5	9578	9546	9503	9462	9408	9333	9244	9210	9282	9376
35.0	8774	8733	8690	8648	8612	8582	8504	8410	8370	8461
37.5	8019	7977	7918	7847	7815	7799	7802	7737	7627	7610
40.0	7278	7262	7228	7170	7094	7036	7049	7080	7014	6880
42.5	6507	6522	6534	6526	6473	6406	6327	6362	6418	6319
45.0	5733	5766	5797	5821	5842	5834	5767	5686	5730	5810
47.5	5025	5088	5112	5122	5169	5210	5237	5162	5075	5164
50.0	4342	4469	4541	4562	4560	4577	4624	4665	4581	4525
52.5	3674	3858	3974	4032	4037	4027	4029	4074	4111	4007
55.0	3015	3250	3391	3459	3491	3509	3504	3500	3530	3549
57.5	2327	2639	2819	2883	2904	2928	2977	2974	2961	3006
60.0	1640	2034	2269	2356	2351	2330	2365	2432	2451	2433
62.5	1376	1662	1820	1848	1837	1809	1781	1822	1928	1949
65.0	1181	1401	1514	1522	1449	1325	1270	1276	1356	1485
67.5	932.4	1115	1207	1204	1140	1037	902.7	788.7	870.4	977.6
70.0	672.7	819.0	903.2	917.6	875.4	783.1	667.7	565.7	479.9	586.2
72.5	432.9	528.3	598.5	633.0	630.1	577.7	497.5	408.9	354.1	340.1
75.0	192.3	237.7	291.8	340.8	367.3	365.3	342.7	297.8	259.6	246.2
77.5	92.12	105.8	121.5	138.1	146.3	152.2	177.3	179.1	176.0	176.5
80.0	5.188	12.50	23.31	37.16	50.18	60.45	70.61	77.23	87.12	103.0
82.5	0	0	0	0	0	0	0	10.39	24.59	37.91
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	17667	17667	17667	17667	17667	17667	17667	17667	17667	17667
2.5	17474	17493	17513	17535	17559	17585	17611	17569	17527	17488
5.0	17154	17185	17222	17265	17313	17366	17423	17336	17253	17174
7.5	16712	16749	16797	16854	16924	17004	17094	16961	16839	16727
10.0	16156	16191	16242	16314	16406	16515	16642	16462	16300	16155
12.5	15612	15553	15574	15575	15591	15604	15604	15642	15642	15472
15.0	15011	14906	14825	14887	15014	15179	15380	15113	14882	14687
17.5	14358	14208	14086	14041	14183	14373	14609	14305	14047	13834
20.0	13636	13477	13310	13184	13288	13502	13771	13435	13153	12976
22.5	12753	12722	12510	12344	12355	12586	12881	12523	12228	12142
25.0	11846	11808	11707	11507	11416	11659	11977	11602	11299	11317
27.5	10947	10895	10907	10682	10508	10735	11064	10685	10405	10508
30.0	10071	10003	10003	9884	9687	9842	10175	9799	9596	9732
32.5	9253	9151	9143	9131	8912	8997	9332	8963	8835	9000
35.0	8505	8380	8337	8395	8184	8199	8527	8171	8121	8288
37.5	7722	7678	7585	7635	7510	7464	7789	7440	7459	7551
40.0	6936	7036	6916	6931	6885	6777	7099	6756	6838	6860
42.5	6210	6346	6308	6269	6295	6125	6447	6103	6250	6203
45.0	5654	5665	5744	5645	5740	5514	5829	5491	5695	5578
47.5	5175	5022	5183	5083	5160	4970	5256	4947	5111	5012
50.0	4659	4534	4559	4558	4570	4414	4675	4395	4528	4491
52.5	4028	4094	3942	4036	3965	3871	4094	3853	3929	3978
55.0	3435	3567	3403	3513	3318	3239	3489	3246	3310	3457
57.5	2977	2911	2957	2778	2317	2243	2460	2340	2476	2786
60.0	2477	2318	2389	1772	1374	1193	1182	1345	1627	1915
62.5	1846	1811	1504	1059	807.1	662.1	624.2	749.4	674.6	1208
65.0	1334	1186	885.0	728.6	544.7	493.6	494.4	506.2	602.5	812.1
67.5	984.6	657.6	611.9	472.9	398.1	383.4	393.9	379.9	396.7	494.5
70.0	594.3	495.2	389.6	325.9	299.0	294.5	312.1	290.3	292.5	319.2
72.5	364.7	326.3	286.2	265.0	246.3	217.4	240.5	212.5	238.8	255.7
75.0	245.1	227.3	210.7	179.9	168.5	161.2	170.5	156.7	161.8	171.1
77.5	168.4	158.8	138.3	131.8	112.8	110.1	114.7	106.2	107.0	123.5

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	111.4	100.7	89.38	73.23	66.01	63.46	73.26	60.75	61.18	66.64
82.5	47.70	53.43	51.41	42.25	36.98	26.99	35.57	24.44	32.10	36.57
85.0	0	10.60	16.11	19.55	13.93	7.442	6.277	5.254	9.914	15.51
87.5	0	0	0	0	3.820	3.857	2.289	2.465	2.013	0
90.0	0	0	0	0	0	0	2.245	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	17667	17667	17667	17667	17667	17667	17667	17667	17667	17667
2.5	17450	17415	17382	17352	17324	17297	17274	17254	17237	17225
5.0	17102	17036	16977	16926	16879	16838	16805	16778	16755	16739
7.5	16628	16538	16461	16397	16342	16312	16296	16283	16273	16265
10.0	16031	15927	15841	15822	15810	15806	15801	15802	15804	15803
12.5	15327	15241	15235	15240	15254	15275	15298	15301	15292	15291
15.0	14555	14559	14585	14623	14672	14668	14664	14675	14695	14721
17.5	13800	13838	13901	13956	13932	13935	13962	14006	14037	14025
20.0	13019	13096	13164	13127	13128	13161	13187	13190	13193	13188
22.5	12222	12342	12290	12274	12298	12317	12339	12358	12372	12339
25.0	11435	11454	11409	11445	11485	11526	11489	11489	11439	11402
27.5	10655	10573	10543	10578	10636	10680	10602	10541	10497	10481
30.0	9788	9722	9731	9797	9843	9753	9679	9638	9669	9686
32.5	8961	8910	8981	9065	8956	8866	8866	8903	8920	8920
35.0	8191	8193	8283	8222	8117	8129	8186	8214	8196	8193
37.5	7468	7530	7547	7423	7425	7504	7534	7498	7476	7472
40.0	6820	6913	6798	6731	6843	6886	6826	6788	6814	6852
42.5	6221	6242	6093	6185	6267	6194	6139	6189	6230	6256
45.0	5660	5566	5543	5683	5593	5532	5594	5637	5632	5602
47.5	5101	4926	5063	5044	4944	5013	5072	5031	4989	4948
50.0	4474	4440	4547	4407	4452	4517	4467	4415	4389	4373
52.5	3859	3997	3921	3892	3984	3931	3874	3862	3854	3822
55.0	3325	3461	3326	3436	3407	3364	3341	3334	3301	3239
57.5	2886	2800	2857	2892	2844	2833	2806	2745	2708	2654
60.0	2373	2204	2336	2307	2334	2288	2193	2138	2147	2111
62.5	1568	1703	1679	1822	1816	1694	1607	1609	1624	1592
65.0	935.9	1109	1184	1367	1250	1142	1088	1121	1255	1317
67.5	633.3	605.7	867.6	875.1	769.5	655.0	740.9	872.2	982.2	1047
70.0	384.1	458.9	526.0	509.9	391.1	465.5	547.6	656.8	754.3	797.8
72.5	273.2	304.7	324.8	290.6	293.4	338.1	410.2	487.1	545.2	550.7
75.0	198.9	209.8	217.5	213.0	218.1	248.4	285.6	311.0	320.0	297.5
77.5	127.9	144.5	149.7	152.8	149.5	152.5	152.1	134.5	130.6	121.1
80.0	80.51	90.16	97.76	88.74	76.24	68.75	62.21	53.58	44.81	32.62
82.5	44.72	45.72	39.88	32.35	21.57	9.259	0	0	0	0
85.0	12.16	8.487	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	17667	17667	17667	17667	17667	17667	17667	17667	17667	17667
2.5	17212	17203	17196	17194	17195	17195	17198	17205	17215	17227
5.0	16727	16719	16717	16716	16722	16727	16738	16749	16763	16782
7.5	16258	16256	16252	16249	16251	16250	16253	16261	16269	16286
10.0	15801	15799	15795	15788	15780	15768	15756	15747	15741	15740
12.5	15294	15300	15306	15310	15310	15303	15289	15270	15245	15214
15.0	14750	14779	14805	14826	14840	14839	14827	14806	14772	14724
17.5	14011	13996	13986	13975	13971	13966	13973	13987	14013	14051
20.0	13176	13159	13139	13120	13102	13082	13072	13071	13079	13101
22.5	12300	12272	12253	12242	12236	12228	12221	12211	12196	12176
25.0	11377	11361	11357	11361	11369	11377	11384	11385	11378	11361
27.5	10497	10504	10504	10502	10501	10499	10504	10515	10532	10556
30.0	9688	9680	9667	9648	9633	9619	9617	9620	9635	9657
32.5	8923	8931	8941	8950	8953	8941	8921	8886	8835	8770
35.0	8202	8216	8236	8257	8273	8265	8240	8240	8199	8141
37.5	7510	7544	7568	7586	7592	7583	7575	7563	7550	7530
40.0	6884	6903	6912	6917	6910	6892	6878	6862	6851	6841
42.5	6249	6237	6228	6228	6231	6220	6214	6201	6180	6156
45.0	5575	5554	5540	5538	5552	5551	5563	5569	5572	5560
47.5	4921	4877	4816	4771	4762	4784	4843	4907	4961	4990
50.0	4316	4214	4094	4003	3972	4015	4115	4231	4326	4384
52.5	3721	3562	3379	3237	3182	3245	3394	3573	3711	3777
55.0	3119	2916	2671	2474	2393	2476	2681	2933	3130	3227
57.5	2526	2265	1944	1694	1606	1734	2004	2319	2561	2693
60.0	1945	1617	1217	915.2	819.0	995.3	1340	1722	1994	2124
62.5	1507	1282	999.7	783.4	705.0	824.4	1075	1364	1549	1569
65.0	1269	1100	867.8	675.9	591.0	673.1	875.7	1124	1291	1315
67.5	1018	883.3	691.8	539.8	480.7	551.6	712.1	902.1	1034	1067
70.0	762.0	649.6	505.1	401.1	370.5	429.8	550.1	684.4	775.5	796.9

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:

Photometric Data Table [cd]

72.5	506.5	424.8	335.3	275.2	258.8	290.2	362.2	448.6	514.9	536.6
75.0	249.8	200.3	165.0	148.8	147.1	148.8	168.1	205.4	253.5	293.5
77.5	105.2	91.37	80.67	74.36	73.55	74.24	81.26	92.26	106.8	122.9
80.0	20.18	10.79	4.541	1.093	0	1.091	4.574	10.90	20.49	33.09
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	17667	17667	17667	17667	17667	17667	17667	17667	17667	17667
2.5	17239	17255	17273	17294	17318	17344	17370	17398	17429	17462
5.0	16800	16825	16850	16878	16912	16948	16987	17031	17081	17135
7.5	16306	16333	16368	16410	16454	16489	16528	16575	16631	16693
10.0	15745	15756	15778	15815	15860	15924	16002	16043	16090	16151
12.5	15179	15142	15128	15144	15178	15233	15309	15408	15469	15516
15.0	14668	14605	14538	14469	14422	14459	14526	14622	14754	14802
17.5	14106	14071	13969	13858	13749	13650	13677	13768	13900	14034
20.0	13141	13196	13270	13243	13091	12947	12820	12865	12992	13170
22.5	12166	12201	12259	12342	12433	12243	12066	11923	12043	12218
25.0	11327	11281	11255	11328	11425	11545	11322	11127	11089	11258
27.5	10538	10489	10427	10354	10422	10538	10603	10366	10171	10317
30.0	9682	9716	9673	9589	9497	9570	9710	9648	9414	9415
32.5	8803	8847	8892	8881	8776	8668	8796	8968	8714	8577
35.0	8070	8012	8071	8124	8116	7993	7943	8109	8072	7840
37.5	7467	7398	7329	7358	7414	7376	7242	7319	7488	7228
40.0	6839	6822	6753	6682	6699	6753	6662	6584	6794	6657
42.5	6161	6175	6200	6129	6047	6078	6127	5986	6089	6114
45.0	5533	5518	5546	5588	5515	5443	5515	5464	5416	5602
47.5	4984	4955	4910	4951	5008	4924	4902	4978	4815	5018
50.0	4423	4442	4402	4342	4392	4435	4349	4404	4333	4390
52.5	3815	3855	3922	3869	3793	3867	3871	3835	3873	3761
55.0	3239	3238	3300	3399	3340	3274	3376	3305	3352	3149
57.5	2711	2692	2685	2770	2892	2794	2752	2805	2745	2563
60.0	2155	2169	2161	2178	2275	2363	2160	2213	2065	1890
62.5	1566	1576	1622	1674	1714	1772	1682	1512	1467	1145
65.0	1205	1032	1034	1146	1255	1247	1156	977.8	929.9	619.7
67.5	989.8	849.4	690.9	604.9	778.7	881.6	722.1	620.6	504.4	424.9
70.0	749.9	664.4	558.6	450.7	374.8	524.0	515.9	393.9	359.5	328.7
72.5	509.6	461.1	402.6	348.1	301.4	287.1	325.3	293.0	262.4	222.9
75.0	304.3	287.4	259.5	232.3	221.3	224.0	209.0	203.0	180.2	169.8
77.5	131.0	133.1	144.7	142.1	142.9	149.5	152.4	134.0	122.8	101.3
80.0	44.91	53.49	61.66	67.82	74.74	85.14	88.25	86.37	72.88	66.39
82.5	0	0	0	9.123	21.26	31.96	39.20	40.46	37.93	32.58
85.0	0	0	0	0	0	0	0	8.383	11.90	11.93
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	17667	17667								
2.5	17497	17534								
5.0	17195	17260								
7.5	16765	16848								
10.0	16227	16320								
12.5	15581	15671								
15.0	14854	14937								
17.5	14061	14127								
20.0	13214	13254								
22.5	12328	12338								
25.0	11438	11415								
27.5	10540	10504								
30.0	9625	9631								
32.5	8774	8824								
35.0	7993	8077								
37.5	7270	7391								
40.0	6595	6751								
42.5	5947	6137								
45.0	5332	5556								
47.5	4807	4971								
50.0	4297	4377								
52.5	3801	3793								
55.0	3279	3078								
57.5	2536	1973								
60.0	1454	951.2								
62.5	724.5	559.5								

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	463.8	433.6
67.5	374.4	351.4
70.0	300.8	284.8
72.5	210.1	218.4
75.0	149.8	138.3
77.5	94.39	88.59
80.0	61.76	59.34
82.5	28.35	24.99
85.0	9.169	6.581
87.5	2.601	2.610
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: