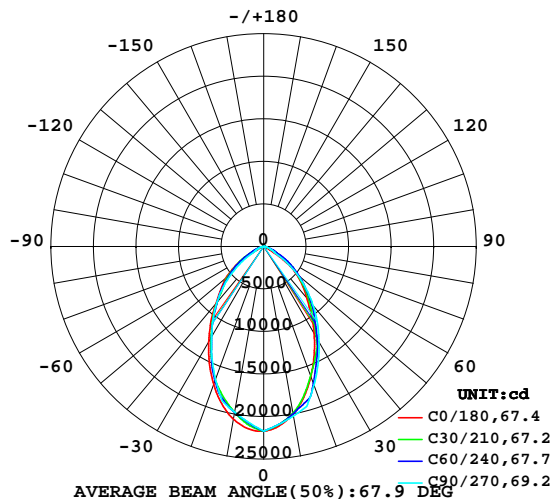


LUMINAIRE PHOTOMETRIC TEST REPORT

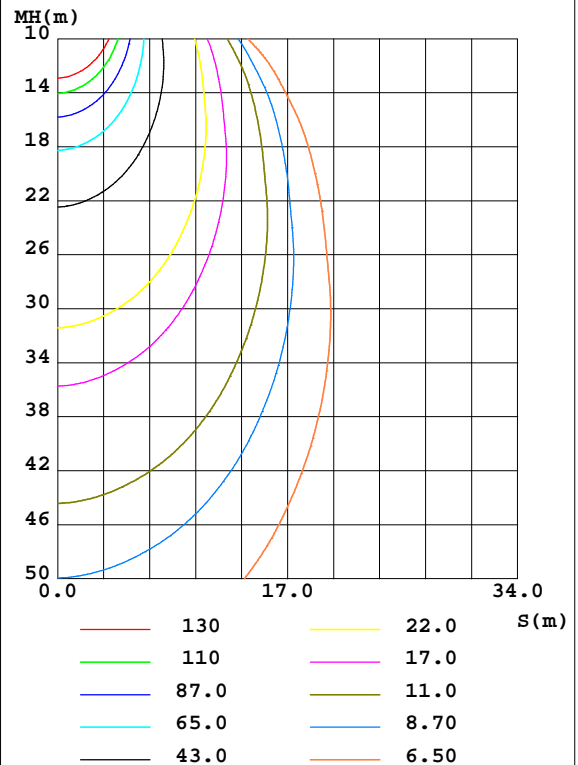
Test:U:120.09V I:1.6208A P:194.22W PF:0.9979 Freq:59.98Hz Lamp Flux:30834.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/60°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 158.76 lm/W			
MODEL	GHSL-32-U	Imax(cd)	21723	S/MH(C0/180)	0.96
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	0.93
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	30834	η UP,DN(C0-180)	0.0,51.0
NOMINAL FLUX(lm)	30834.1	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.0
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	1.05

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:2024-11-11

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	2000	1987	2023	2006	2061	1977	1977	1956	0- 10	1969	1969	6.39,6.39
20	1625	1706	1733	1726	1725	1675	1661	1653	10- 20	5198	7167	23.2,23.2
30	1190	1233	1301	1289	1294	1241	1223	1190	20- 30	6678	13845	44.9,44.9
40	791.6	852.4	905.1	905.6	868.0	863.0	854.5	813.7	30- 40	6491	20336	66,66
50	496.3	529.0	522.8	582.0	580.1	544.6	490.5	499.7	40- 50	5294	25630	83.1,83.1
60	86.31	262.5	154.0	302.1	168.6	272.9	130.5	242.5	50- 60	3440	29070	94.3,94.3
70	34.55	62.44	72.87	80.87	49.34	66.24	63.06	54.63	60- 70	1367	30437	98.7,98.7
80	7.384	10.47	0	14.75	14.11	11.49	0	9.118	70- 80	376.3	30813	99.9,99.9
90	0.3533	0	0	0	0.2645	0	0	0	80- 90	21.07	30834	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): 23173 lm

%lum = 75.2%

%lamp = 75.2%

Conical surface Flux(120deg): 29070 lm

%lum = 94.3%

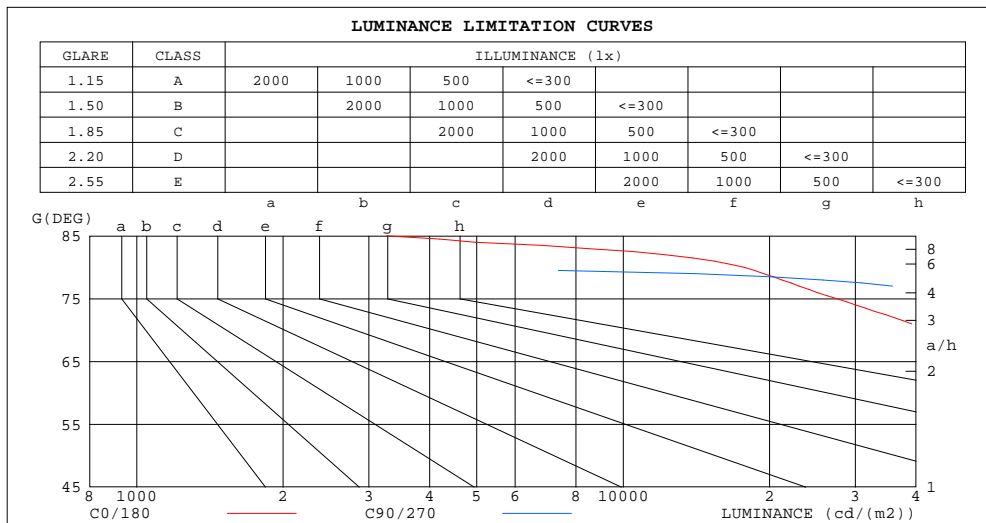
%lamp = 94.3%

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

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:120.09V I:1.6208A P:194.22W PF:0.9979 Freq:59.98Hz Lamp Flux:30834.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/60°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m ²)		
G(DEG)	C0/180	C90/270
85	3261	0
80	17717	0
75	27448	51844
70	42088	88772
65	54545	112695
60	71924	128298
55	224904	246616
50	321695	338910
45	380210	417045

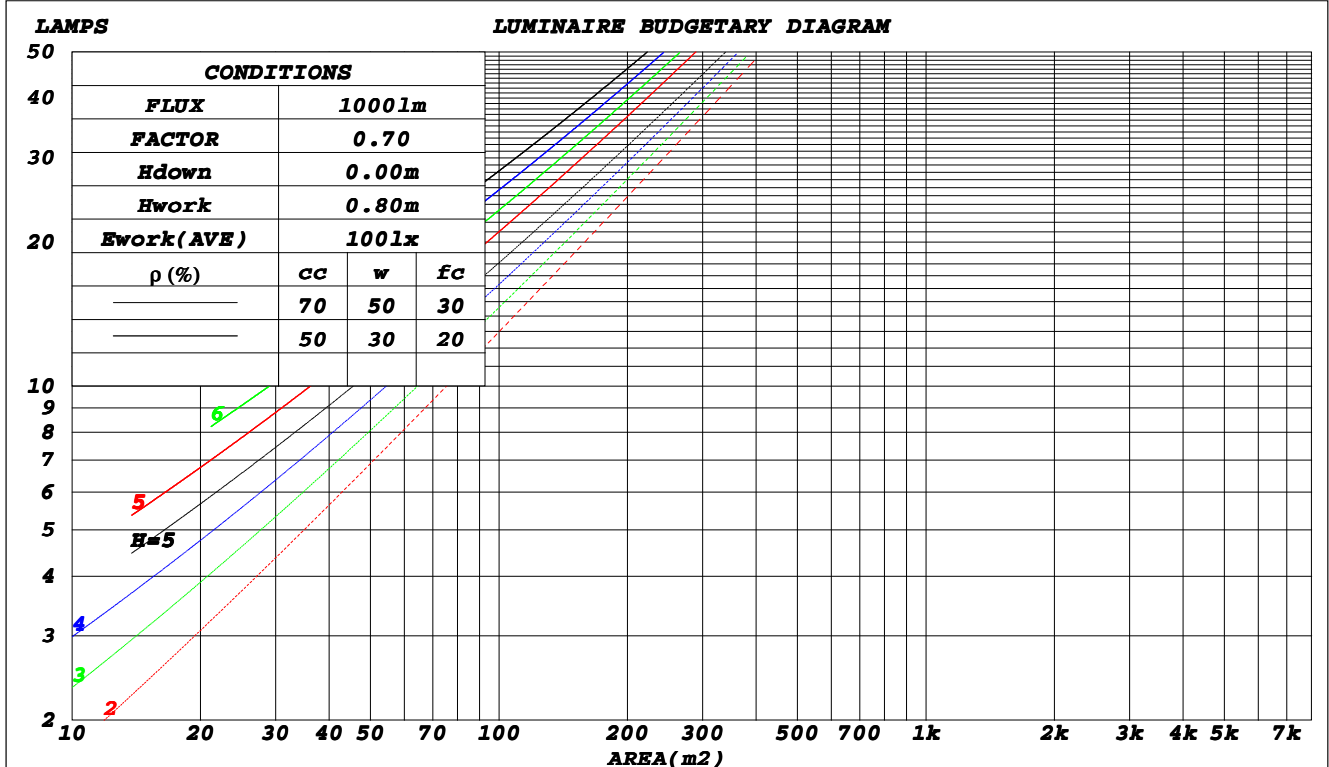
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-11

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:120.09V I:1.6208A P:194.22W PF:0.9979 Freq:59.98Hz Lamp Flux:30834.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/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	.77	.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	.73	.66	.61	.72	.66	.60	.70	.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:2024-11-11

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:120.09V I:1.6208A P:194.22W PF:0.9979 Freq:59.98Hz Lamp Flux:30834.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/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	.226	.129	.041	.219	.125	.040	.206	.118	.038	.194	.112	.036	.184	.106	.034		
2.0	.221	.121	.037	.215	.118	.036	.204	.113	.035	.194	.109	.034	.184	.104	.033		
3.0	.211	.112	.034	.206	.110	.033	.196	.106	.032	.187	.103	.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	.175	.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:2024-11-11

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:120.09V I:1.6208A P:194.22W PF:0.9979 Freq:59.98Hz Lamp Flux:30834.1x1 lm										
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:200W/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	19.0	20.3	19.3	20.4	20.6	19.6	20.8	19.9	21.0	21.2
3H	18.9	20.1	19.2	20.3	20.5	19.9	21.0	20.2	21.3	21.5
4H	18.9	19.9	19.2	20.2	20.4	19.9	21.0	20.2	21.2	21.4
6H	18.8	19.8	19.1	20.0	20.3	19.8	20.8	20.1	21.1	21.3
8H	18.7	19.7	19.1	20.0	20.2	19.8	20.7	20.1	21.0	21.3
12H	18.7	19.6	19.0	19.9	20.2	19.7	20.6	20.0	20.9	21.2
4H 2H	19.2	20.3	19.5	20.5	20.8	19.7	20.8	20.0	21.0	21.3
3H	19.2	20.1	19.5	20.4	20.7	20.2	21.1	20.5	21.4	21.6
4H	19.2	20.0	19.5	20.3	20.6	20.2	21.0	20.5	21.3	21.6
6H	19.1	19.8	19.5	20.2	20.5	20.1	20.8	20.5	21.2	21.5
8H	19.0	19.7	19.4	20.1	20.5	20.1	20.7	20.5	21.1	21.5
12H	19.0	19.6	19.4	20.0	20.4	20.0	20.6	20.4	21.0	21.4
8H 4H	19.1	19.8	19.5	20.1	20.5	20.1	20.8	20.5	21.1	21.5
6H	19.0	19.6	19.5	20.0	20.4	20.0	20.6	20.5	21.0	21.4
8H	19.0	19.5	19.5	19.9	20.4	20.0	20.5	20.4	20.9	21.3
12H	19.0	19.4	19.4	19.8	20.3	19.9	20.3	20.4	20.8	21.3
12H 4H	19.1	19.7	19.5	20.1	20.5	20.0	20.7	20.5	21.0	21.4
6H	19.0	19.5	19.5	19.9	20.4	20.0	20.5	20.4	20.9	21.3
8H	19.0	19.4	19.4	19.8	20.3	19.9	20.3	20.4	20.8	21.3
Variations with the observer position at spacings:										
S = 1.0H	+ 1.0 / - 1.8					+ 0.8 / - 1.3				
1.5H	+ 0.4 / - 0.6					+ 0.3 / - 0.8				
2.0H	+ 1.9 / - 6.7					+ 1.8 / - 4.6				

CIE Pub.117, 30834 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 11.9$)
Area: 0.024 m²

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

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:120.09V I:1.6208A P:194.22W PF:0.9979 Freq:59.98Hz Lamp Flux:30834.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/60°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

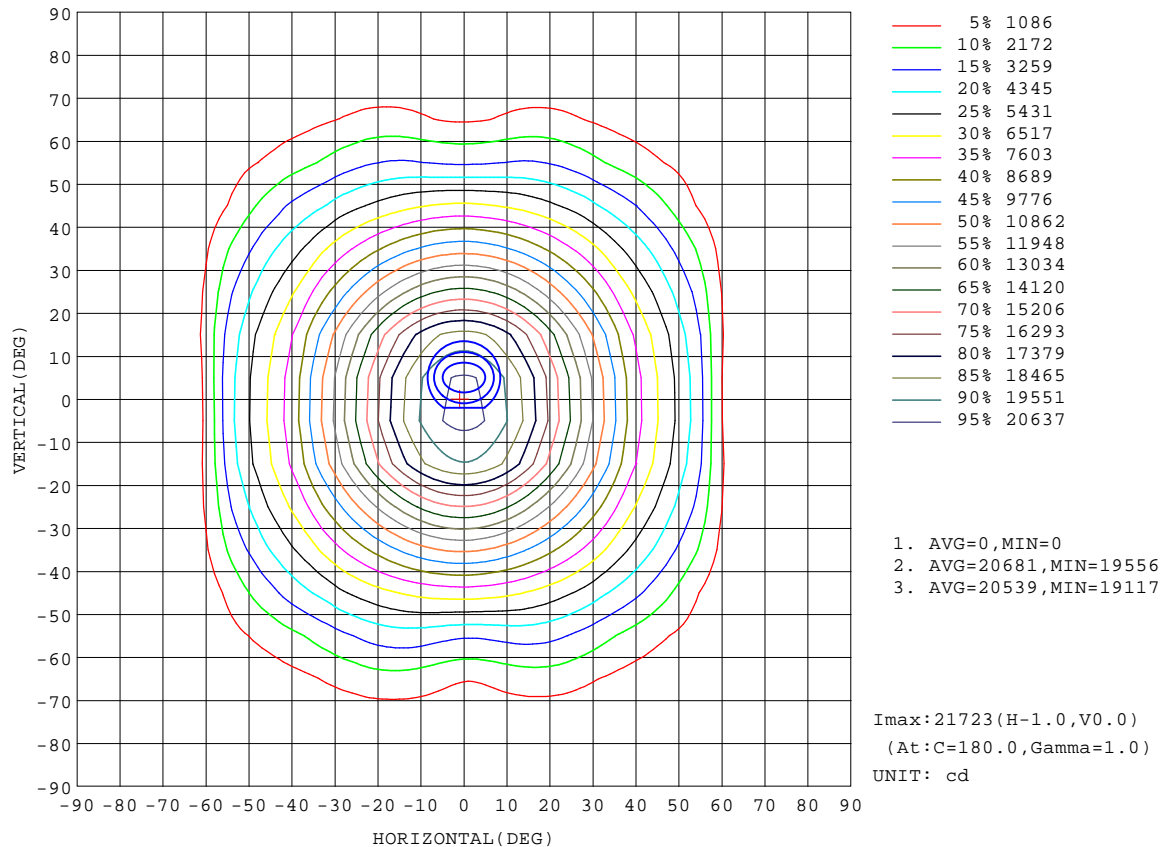
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	70	60	55	69	60	55	68	60	54	49
0.80	80	71	65	79	70	65	77	69	64	59
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	96	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:2024-11-11

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:120.09V I:1.6208A P:194.22W PF:0.9979 Freq:59.98Hz Lamp Flux:30834.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/60°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



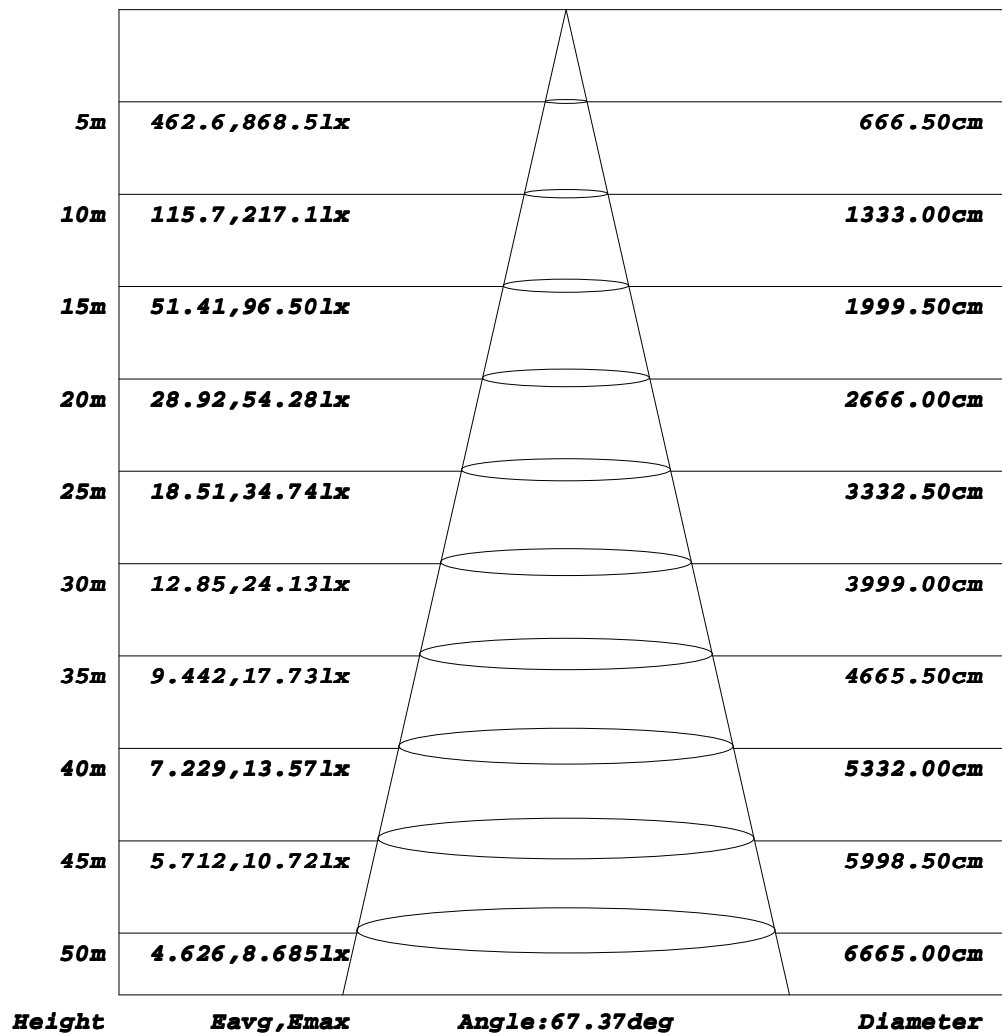
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-11

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:120.09V I:1.6208A P:194.22W PF:0.9979 Freq:59.98Hz Lamp Flux:30834.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/60°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:16532 lm



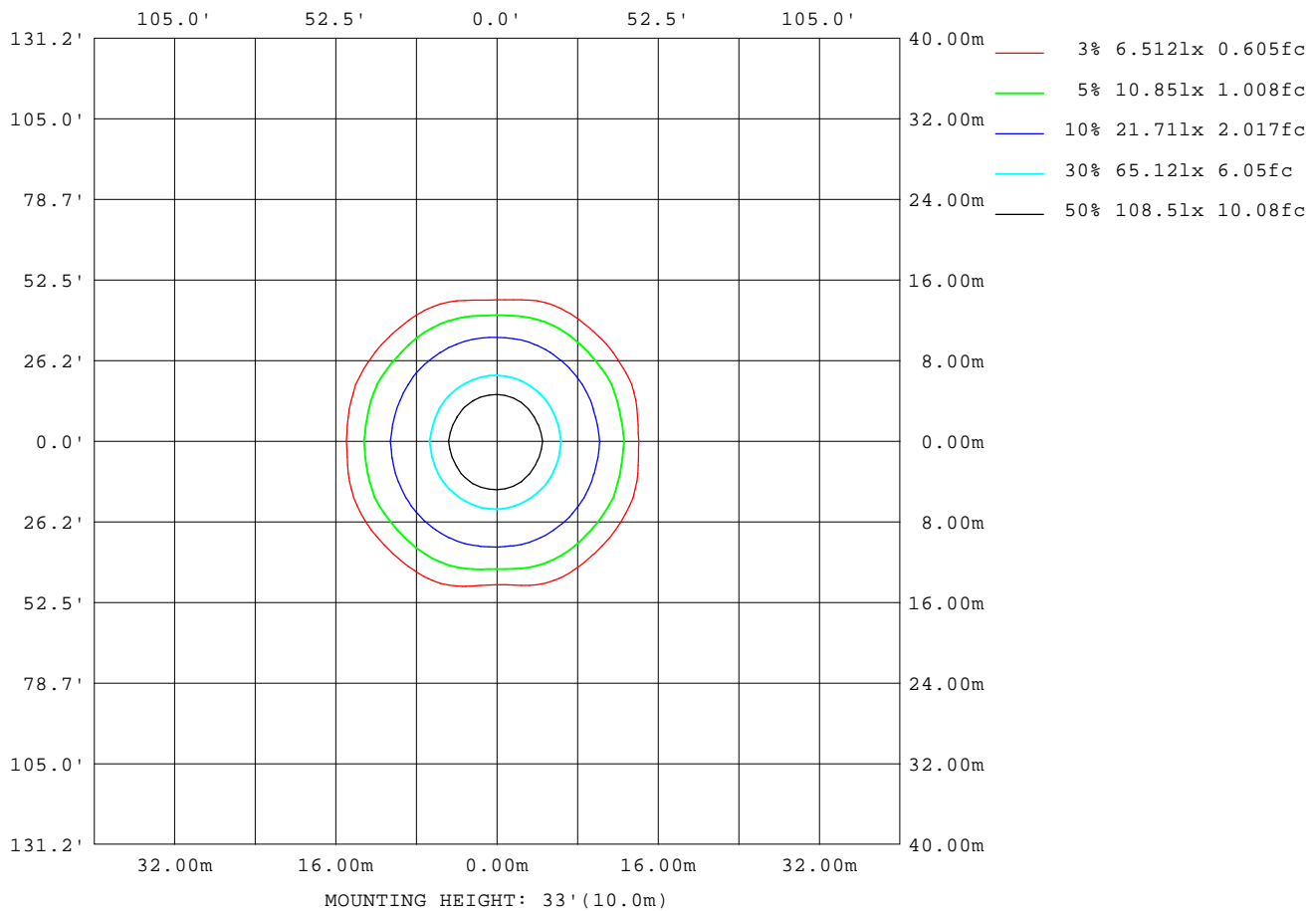
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:120.09V I:1.6208A P:194.22W PF:0.9979 Freq:59.98Hz Lamp Flux:30834.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/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:2024-11-11

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:120.09V I:1.6208A P:194.22W PF:0.9979 Freq:59.98Hz Lamp Flux:30834.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/60°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

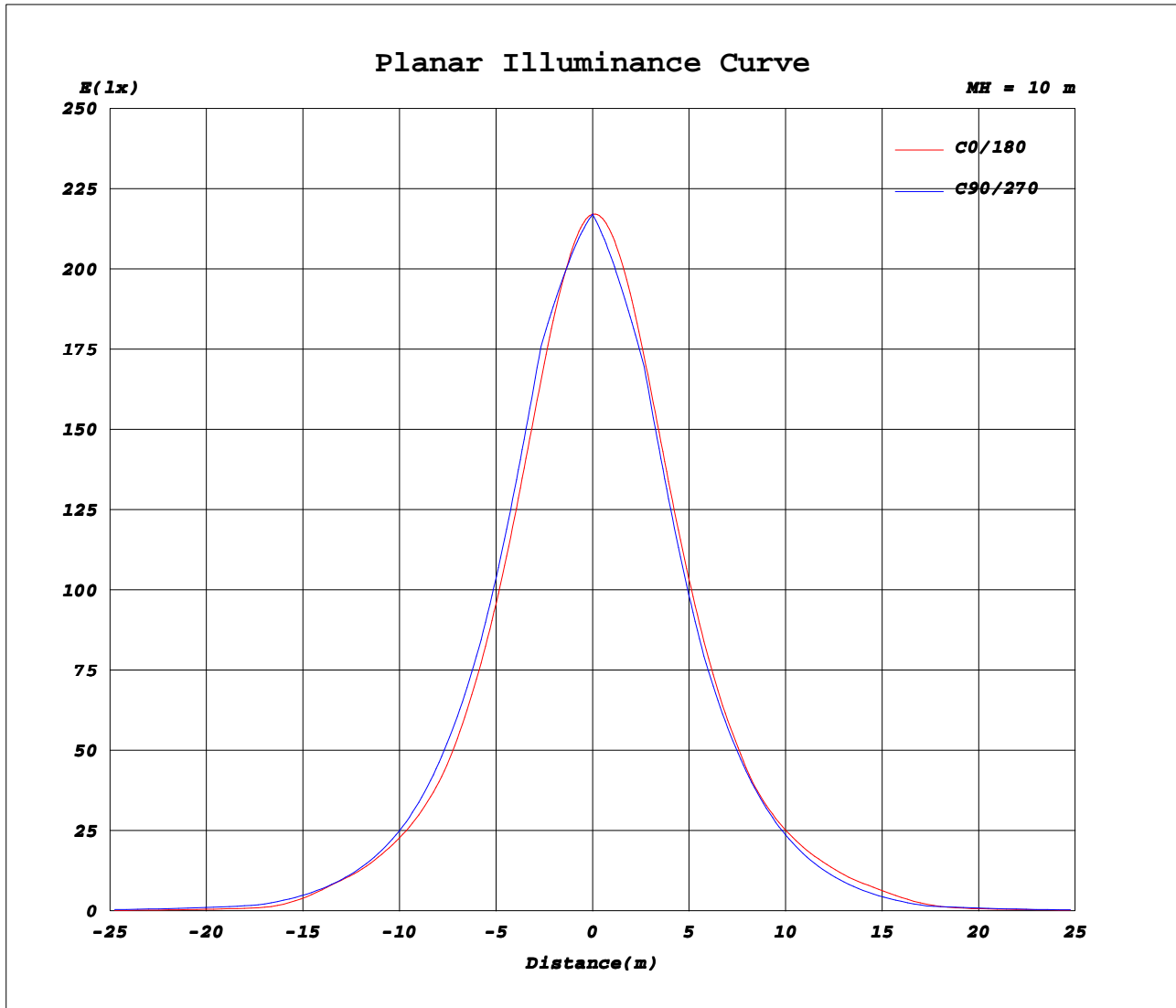
AvgL	cd/m2
L_0~180(65)av	63884
L_0~180(75)av	37353
L_0~180(85)av	6504
L_90~270(65)av	103725
L_90~270(75)av	49615
L_90~270(85)av	0
L_45(65)av	144433
L_45(75)av	58015
L_45(85)av	0

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:2024-11-11

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:2024-11-11

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	21708	21708	21708	21708	21708	21708	21708	21708	21708	21708
2.5	21530	21503	21478	21455	21435	21418	21403	21391	21378	21366
5.0	21165	21120	21081	21049	21023	21003	20989	20982	20975	20971
7.5	20636	20580	20537	20508	20491	20483	20484	20496	20511	20509
10.0	19999	19935	19892	19869	19865	19879	19900	19872	19862	19872
12.5	19216	19154	19123	19123	19146	19151	19106	19091	19104	19142
15.0	18313	18257	18243	18269	18298	18221	18191	18198	18245	18407
17.5	17321	17275	17282	17339	17265	17195	17178	17248	17489	17745
20.0	16251	16226	16267	16303	16176	16113	16159	16432	16738	17063
22.5	15153	15147	15215	15167	15044	14993	15277	15612	15979	15907
25.0	14064	14079	14176	14035	13914	14056	14404	14799	14669	14578
27.5	12977	13015	13117	12913	12814	13154	13554	13501	13374	13316
30.0	11896	11963	12011	11810	11887	12276	12415	12252	12179	12335
32.5	10845	10947	10943	10753	11002	11411	11212	11073	11249	11422
35.0	9780	9937	9888	9756	10173	10276	10086	10185	10389	10435
37.5	8748	8915	8815	8833	9346	9186	9154	9376	9463	9428
40.0	7916	8066	7912	8041	8298	8096	8337	8555	8520	8524
42.5	7159	7318	7118	7364	7368	7283	7565	7598	7650	7774
45.0	6452	6621	6367	6732	6529	6627	6741	6700	6888	7032
47.5	5753	5907	5721	6004	5777	6022	5965	6015	6173	6143
50.0	4963	5131	5043	5205	5170	5301	5265	5382	5333	5290
52.5	4234	4361	4382	4360	4557	4558	4642	4647	4555	4648
55.0	3096	3440	3737	3610	3888	3848	4002	3869	3971	4042
57.5	1708	2108	2787	2879	3146	3252	3209	3244	3401	3311
60.0	863.1	1079	1562	2078	2325	2572	2498	2696	2668	2625
62.5	688.1	710.7	859.8	1276	1657	1766	1956	2036	2010	2049
65.0	553.2	563.1	599.2	750.2	1074	1167	1380	1458	1497	1443
67.5	441.8	456.1	487.9	542.8	619.3	775.4	888.9	1054	960.7	819.3
70.0	345.5	370.8	392.4	427.7	459.1	501.9	645.9	650.8	504.4	624.4
72.5	248.8	284.0	276.1	293.3	341.1	376.5	417.6	376.7	408.5	486.0
75.0	170.5	181.2	199.0	226.1	239.8	265.6	275.2	297.5	302.7	328.4
77.5	115.0	120.9	129.2	141.5	168.1	181.4	205.3	203.4	200.1	207.0
80.0	73.84	83.76	89.05	98.66	106.6	123.3	125.8	123.2	113.5	104.7
82.5	32.80	41.15	49.21	56.81	64.39	67.38	65.51	49.89	32.77	14.08
85.0	6.820	17.46	24.92	30.40	30.44	16.35	0	0	0	0
87.5	3.066	7.208	8.907	0	0	0	0	0	0	0
90.0	3.533	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	21708	21708	21708	21708	21708	21708	21708	21708	21708	21708
2.5	21357	21350	21346	21344	21340	21337	21337	21340	21345	21346
5.0	20972	20974	20973	20977	20977	20978	20980	20978	20981	20977
7.5	20505	20508	20517	20532	20546	20565	20578	20591	20604	20607
10.0	19892	19927	19971	20017	20066	20114	20159	20197	20227	20243
12.5	19202	19301	19426	19541	19643	19728	19794	19838	19862	19865
15.0	18598	18785	18962	19120	19256	19363	19438	19483	19497	19477
17.5	18007	18261	18398	18370	18359	18360	18376	18391	18412	18423
20.0	17186	17141	17123	17127	17149	17185	17229	17278	17327	17361
22.5	15849	15824	15835	15918	16015	16097	16165	16218	16254	16273
25.0	14528	14623	14753	14874	14976	15058	15120	15161	15181	15179
27.5	13459	13603	13741	13843	13887	13940	13996	14050	14094	14112
30.0	12490	12609	12629	12664	12716	12779	12858	12935	13008	13051
32.5	11481	11474	11483	11509	11645	11772	11880	11966	12024	12045
35.0	10407	10386	10499	10629	10750	10856	10943	11007	11041	11039
37.5	9427	9542	9662	9778	9836	9890	9946	10001	10046	10058
40.0	8640	8750	8790	8815	8850	8891	8938	8993	9051	9080
42.5	7885	7861	7852	7860	7910	7956	7990	8026	8064	8082
45.0	6993	6962	6987	7035	7064	7068	7061	7064	7077	7083
47.5	6120	6194	6235	6250	6253	6233	6190	6152	6153	6186
50.0	5419	5496	5505	5506	5494	5436	5338	5246	5228	5298
52.5	4749	4767	4772	4776	4761	4667	4501	4347	4312	4425
55.0	3986	4017	4079	4127	4081	3922	3675	3450	3395	3556
57.5	3263	3363	3454	3498	3407	3198	2887	2581	2467	2649
60.0	2666	2752	2786	2815	2723	2488	2111	1716	1540	1744
62.5	2049	2053	2076	2148	2174	2028	1745	1451	1341	1517
65.0	1364	1415	1627	1810	1827	1692	1447	1207	1143	1315
67.5	951.6	1172	1345	1480	1476	1371	1184	996.2	935.9	1060
70.0	774.1	923.8	1029	1114	1119	1050	923.2	785.2	728.7	800.9
72.5	564.8	650.5	712.9	764.2	765.5	717.6	636.2	554.6	525.4	565.9
75.0	372.2	416.1	442.2	443.7	415.8	379.8	343.1	321.9	322.0	330.1
77.5	218.8	208.8	207.7	204.5	192.8	183.3	170.6	161.3	161.0	165.6
80.0	97.37	84.49	71.17	54.84	36.88	21.60	9.599	2.370	0	2.434
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-11

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	21708	21708	21708	21708	21708	21708	21708	21708	21708	21708
2.5	21350	21357	21367	21378	21388	21401	21417	21435	21457	21479
5.0	20979	20979	20980	20986	20991	21004	21018	21037	21064	21096
7.5	20610	20609	20600	20593	20581	20568	20557	20545	20547	20576
10.0	20249	20244	20229	20206	20177	20139	20100	20062	20023	19992
12.5	19852	19825	19789	19750	19711	19675	19621	19541	19462	19389
15.0	19434	19372	19297	19212	19126	19045	18974	18918	18858	18730
17.5	18436	18438	18442	18441	18441	18357	18232	18125	18043	17997
20.0	17385	17400	17402	17397	17386	17367	17347	17262	17133	17049
22.5	16283	16291	16306	16332	16352	16313	16265	16218	16180	16060
25.0	15165	15150	15141	15144	15161	15199	15219	15149	15091	15045
27.5	14107	14082	14036	13970	13948	13967	14017	14103	14039	13953
30.0	13070	13059	13025	12964	12882	12789	12807	12886	12993	12917
32.5	12045	12034	12012	11990	11917	11832	11736	11708	11808	11935
35.0	11023	11000	10973	10948	10931	10923	10834	10725	10679	10793
37.5	10053	10030	9982	9921	9914	9925	9960	9888	9745	9723
40.0	9099	9106	9088	9045	8985	8945	8990	9056	8972	8809
42.5	8114	8153	8189	8210	8178	8125	8055	8117	8214	8074
45.0	7123	7179	7241	7303	7358	7376	7319	7223	7300	7342
47.5	6264	6337	6371	6402	6485	6563	6622	6512	6362	6445
50.0	5443	5589	5679	5712	5707	5738	5804	5820	5684	5645
52.5	4639	4849	4990	5064	5069	5046	4960	5022	5079	4997
55.0	3844	4111	4281	4366	4397	4405	4309	4278	4356	4420
57.5	3019	3372	3585	3663	3663	3688	3675	3659	3654	3706
60.0	2195	2640	2914	3020	2976	2943	2950	3021	3049	2948
62.5	1860	2180	2362	2400	2340	2306	2261	2306	2426	2391
65.0	1605	1851	1980	1990	1857	1727	1659	1664	1730	1856
67.5	1293	1495	1596	1590	1477	1373	1212	1088	1163	1271
70.0	967.8	1127	1218	1231	1152	1056	916.9	808.7	710.5	815.5
72.5	663.4	763.3	837.8	875.3	848.4	793.5	699.3	604.9	536.4	515.2
75.0	357.8	399.3	454.3	506.5	521.6	522.7	499.2	455.8	405.1	384.3
77.5	177.9	191.7	210.4	231.3	238.0	250.5	287.3	296.4	288.4	287.0
80.0	10.01	22.61	40.31	62.09	81.66	101.3	126.0	147.5	162.8	184.1
82.5	0	0	0	0	0	0	0	19.90	47.23	76.21
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	21708	21708	21708	21708	21708	21708	21708	21708	21708	21708
2.5	21502	21528	21555	21585	21617	21650	21685	21641	21598	21557
5.0	21132	21175	21226	21283	21346	21415	21488	21396	21310	21228
7.5	20615	20668	20735	20812	20902	21005	21120	20979	20850	20734
10.0	19967	20020	20093	20189	20308	20448	20607	20414	20241	20088
12.5	19323	19270	19309	19419	19559	19732	19935	19691	19478	19297
15.0	18613	18513	18440	18528	18692	18900	19148	18853	18599	18388
17.5	17854	17700	17577	17540	17721	17956	18247	17905	17618	17385
20.0	17012	16846	16667	16530	16663	16923	17249	16866	16550	16360
22.5	15991	15968	15730	15544	15565	15841	16193	15781	15444	15361
25.0	14939	14901	14790	14559	14454	14750	15134	14687	14327	14365
27.5	13875	13814	13833	13566	13359	13639	14047	13575	13228	13364
30.0	12805	12725	12729	12581	12330	12523	12942	12457	12196	12374
32.5	11789	11663	11651	11632	11343	11443	11862	11378	11208	11421
35.0	10849	10693	10634	10698	10410	10410	10827	10347	10277	10490
37.5	9866	9804	9660	9689	9444	9307	9778	9248	9317	9491
40.0	8843	8938	8628	8589	8472	8299	8680	8239	8348	8403
42.5	7811	7931	7797	7733	7740	7515	7874	7453	7612	7542
45.0	7053	7038	7123	6994	7084	6787	7140	6727	6954	6802
47.5	6470	6273	6456	6319	6391	6149	6464	6090	6268	6139
50.0	5844	5694	5707	5698	5706	5500	5801	5441	5584	5525
52.5	5051	5170	4923	5045	4897	4734	5015	4682	4786	4881
55.0	4296	4489	4225	4336	4116	4012	4266	3976	4029	4191
57.5	3702	3617	3681	3505	3035	2936	3151	2960	3059	3403
60.0	3063	2915	3049	2398	1968	1724	1686	1801	2081	2401
62.5	2311	2333	2048	1543	1229	1010	929.8	1058	1315	1591
65.0	1732	1616	1286	1110	842.9	752.0	742.7	751.5	864.3	1130
67.5	1318	976.5	929.2	735.6	619.5	597.2	606.8	585.5	602.7	726.0
70.0	847.5	751.7	607.5	516.5	479.2	473.8	493.4	461.3	459.5	491.3
72.5	551.3	510.2	455.1	428.5	404.2	367.1	394.4	354.7	384.2	402.6
75.0	384.9	362.8	344.6	306.4	292.6	284.7	293.6	273.0	275.5	284.0
77.5	276.0	262.1	237.4	233.4	209.5	204.4	208.3	194.6	195.5	215.6

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-11

V(β) Range:-75 - 75DEG

V(β) 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	194.2	178.1	163.9	143.3	134.0	128.3	141.1	121.9	122.8	132.1
82.5	99.26	109.2	105.9	92.74	84.43	66.11	83.33	65.81	75.66	83.31
85.0	0	25.93	46.66	52.84	40.36	18.48	20.39	22.97	33.02	43.41
87.5	0	0	0	0	9.978	8.134	4.276	4.827	3.104	0
90.0	0	0	0	0	0	0	2.645	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	21708	21708	21708	21708	21708	21708	21708	21708	21708	21708
2.5	21518	21481	21447	21416	21386	21357	21332	21310	21292	21277
5.0	21154	21086	21026	20974	20927	20885	20853	20826	20802	20787
7.5	20632	20540	20462	20400	20348	20324	20314	20306	20301	20296
10.0	19959	19854	19769	19763	19764	19773	19783	19796	19809	19815
12.5	19146	19068	19082	19110	19145	19188	19234	19255	19261	19272
15.0	18253	18278	18330	18401	18486	18505	18522	18556	18601	18654
17.5	17368	17437	17536	17625	17622	17656	17718	17801	17850	17828
20.0	16437	16558	16666	16647	16675	16746	16789	16785	16779	16765
22.5	15481	15654	15617	15626	15688	15695	15709	15724	15733	15684
25.0	14527	14571	14544	14582	14603	14635	14669	14614	14543	14492
27.5	13559	13473	13463	13507	13564	13600	13487	13401	13340	13317
30.0	12450	12376	12404	12487	12536	12405	12299	12242	12278	12300
32.5	11371	11312	11406	11521	11373	11250	11244	11290	11314	11318
35.0	10357	10362	10484	10402	10264	10280	10352	10391	10356	10339
37.5	9393	9494	9522	9356	9347	9451	9490	9428	9385	9368
40.0	8386	8647	8523	8459	8585	8630	8541	8476	8489	8526
42.5	7560	7657	7508	7734	7839	7714	7623	7670	7699	7715
45.0	6889	6771	6750	7011	6941	6840	6895	6929	6894	6829
47.5	6227	6012	6164	6117	6020	6136	6203	6122	6036	5947
50.0	5496	5437	5544	5329	5344	5446	5401	5305	5267	5258
52.5	4725	4922	4767	4693	4744	4657	4575	4630	4637	4611
55.0	4044	4251	4033	4126	4036	3929	3941	4009	3984	3921
57.5	3512	3398	3445	3413	3354	3337	3327	3319	3276	3232
60.0	2905	2703	2805	2675	2778	2729	2633	2605	2611	2593
62.5	1981	2125	2051	2146	2188	2054	1977	1986	1993	1982
65.0	1256	1444	1496	1648	1525	1446	1398	1430	1551	1647
67.5	894.3	857.8	1132	1110	995.8	898.8	992.0	1132	1229	1317
70.0	571.3	667.3	731.1	698.9	576.0	662.4	747.0	867.7	954.9	1014
72.5	421.0	461.4	481.4	437.9	438.7	493.2	568.1	651.4	700.5	713.7
75.0	318.5	330.0	338.2	328.8	332.5	368.6	403.5	427.2	428.0	404.4
77.5	219.1	237.9	241.4	243.0	235.9	236.0	228.3	201.7	192.6	178.7
80.0	149.8	159.4	166.3	151.9	132.9	114.9	98.55	81.29	66.15	48.08
82.5	93.50	93.35	82.09	61.06	38.50	15.54	0	0	0	0
85.0	37.77	21.07	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	21708	21708	21708	21708	21708	21708	21708	21708	21708	21708
2.5	21262	21249	21239	21234	21231	21227	21225	21228	21233	21241
5.0	20772	20763	20759	20753	20755	20752	20755	20757	20762	20769
7.5	20290	20287	20278	20269	20263	20249	20238	20231	20220	20218
10.0	19818	19816	19807	19792	19770	19740	19705	19668	19633	19603
12.5	19286	19299	19307	19306	19295	19268	19226	19171	19105	19029
15.0	18707	18753	18789	18812	18819	18799	18757	18694	18611	18510
17.5	17806	17781	17760	17734	17714	17690	17677	17669	17683	17709
20.0	16745	16719	16685	16648	16610	16564	16525	16499	16484	16485
22.5	15632	15593	15563	15518	15489	15453	15410	15358	15296	15296
25.0	14457	14437	14427	14426	14427	14419	14400	14368	14322	14261
27.5	13337	13347	13345	13338	13326	13304	13279	13258	13245	13240
30.0	12305	12298	12280	12254	12225	12187	12147	12115	12097	12088
32.5	11308	11310	11313	11315	11309	11274	11216	11145	11057	10957
35.0	10337	10346	10363	10380	10392	10373	10330	10274	10201	10112
37.5	9405	9439	9461	9472	9469	9432	9391	9358	9327	9291
40.0	8556	8571	8573	8567	8545	8488	8442	8411	8385	8363
42.5	7697	7671	7651	7638	7629	7582	7545	7519	7481	7442
45.0	6785	6748	6721	6709	6714	6680	6665	6669	6665	6641
47.5	5931	5910	5862	5820	5809	5794	5817	5859	5876	5877
50.0	5223	5138	5025	4937	4905	4912	4984	5076	5129	5149
52.5	4523	4372	4191	4052	4003	4041	4167	4322	4412	4431
55.0	3809	3611	3364	3170	3101	3173	3360	3591	3745	3789
57.5	3108	2849	2521	2274	2203	2326	2584	2881	3083	3167
60.0	2429	2093	1681	1380	1305	1482	1819	2184	2410	2493
62.5	1907	1683	1397	1189	1133	1252	1490	1754	1882	1834
65.0	1605	1441	1207	1026	961.1	1043	1232	1458	1578	1542
67.5	1295	1166	976.4	836.7	795.8	860.6	1006	1175	1269	1258
70.0	982.4	874.6	734.9	645.4	630.6	677.8	780.2	893.3	953.8	941.7

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-11

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	669.2	589.7	507.3	462.8	462.5	481.4	533.4	599.8	643.2	641.1
75.0	353.8	304.5	278.8	279.5	294.3	283.5	281.1	301.6	337.7	366.8
77.5	159.9	145.2	138.9	140.2	147.2	142.0	139.0	142.0	151.9	165.6
80.0	30.63	17.12	7.809	2.059	0	2.086	7.808	16.73	29.08	44.49
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	21708	21708	21708	21708	21708	21708	21708	21708	21708	21708
2.5	21247	21256	21269	21285	21304	21325	21345	21369	21396	21426
5.0	20774	20785	20795	20808	20827	20849	20874	20906	20944	20990
7.5	20218	20226	20242	20267	20292	20302	20316	20341	20377	20421
10.0	19579	19559	19552	19560	19581	19623	19684	19697	19719	19759
12.5	18944	18853	18791	18769	18770	18798	18854	18938	18975	18995
15.0	18390	18257	18120	17979	17866	17866	17905	17982	18104	18123
17.5	17754	17661	17467	17262	17063	16881	16867	16937	17058	17182
20.0	16507	16549	16612	16528	16270	16036	15830	15843	15960	16140
22.5	15247	15259	15304	15385	15484	15193	14930	14714	14823	15000
25.0	14178	14080	14022	14096	14209	14360	14042	13763	13683	13860
27.5	13177	13078	12974	12864	12944	13093	13175	12844	12572	12732
30.0	12088	12102	12020	11895	11768	11861	12043	11952	11635	11623
32.5	10969	10993	11022	10988	10843	10702	10862	11078	10741	10561
35.0	10013	9919	9958	10009	9993	9827	9753	9959	9901	9558
37.5	9201	9095	8987	9017	9085	9027	8831	8887	9066	8644
40.0	8357	8323	8224	8137	8159	8213	8026	7837	8060	7876
42.5	7446	7459	7494	7407	7297	7276	7286	7065	7179	7215
45.0	6603	6590	6633	6681	6556	6428	6505	6432	6370	6597
47.5	5871	5846	5779	5822	5868	5770	5757	5842	5641	5893
50.0	5158	5169	5091	4997	5067	5153	5072	5140	5038	5103
52.5	4438	4455	4434	4375	4315	4430	4458	4395	4428	4275
55.0	3757	3714	3709	3781	3739	3662	3823	3698	3770	3515
57.5	3139	3072	3013	3078	3174	3047	3034	3107	3020	2778
60.0	2486	2476	2431	2425	2469	2500	2331	2434	2203	2000
62.5	1797	1802	1834	1877	1852	1875	1788	1649	1569	1228
65.0	1383	1192	1187	1307	1373	1336	1249	1078	1022	714.7
67.5	1141	986.0	809.5	722.1	881.6	967.1	810.2	714.7	591.8	519.7
70.0	871.6	776.9	658.7	546.3	464.5	603.5	594.8	474.8	440.0	410.3
72.5	601.5	546.4	482.3	425.1	375.6	357.2	390.9	358.5	326.4	283.0
75.0	371.2	349.7	319.4	288.8	278.6	281.1	260.5	251.9	227.4	216.5
77.5	172.7	175.5	186.2	182.4	183.4	191.0	193.2	170.1	157.9	135.3
80.0	59.22	71.14	82.21	91.18	101.1	113.6	117.0	114.8	99.07	93.37
82.5	0	0	0	12.28	29.08	45.12	58.98	61.74	59.34	53.04
85.0	0	0	0	0	0	0	0	14.83	27.54	27.28
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	21708	21708								
2.5	21458	21493								
5.0	21042	21100								
7.5	20480	20551								
10.0	19819	19899								
12.5	19038	19111								
15.0	18146	18209								
17.5	17179	17224								
20.0	16158	16173								
22.5	15103	15091								
25.0	14058	14020								
27.5	12995	12954								
30.0	11886	11900								
32.5	10815	10882								
35.0	9757	9870								
37.5	8698	8855								
40.0	7812	8014								
42.5	7030	7273								
45.0	6294	6582								
47.5	5652	5873								
50.0	4979	5101								
52.5	4326	4331								
55.0	3662	3403								
57.5	2722	2085								
60.0	1524	1058								
62.5	823.5	693.5								

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-11

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	578.3	552.7
67.5	473.1	449.5
70.0	383.6	366.2
72.5	269.2	280.8
75.0	194.5	180.7
77.5	127.1	120.7
80.0	87.53	85.07
82.5	47.65	43.64
85.0	21.41	16.05
87.5	4.895	4.604
90.0	0	0

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

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: