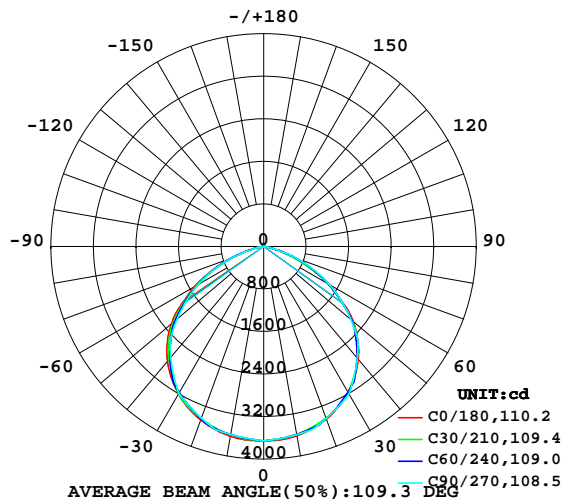


LUMINAIRE PHOTOMETRIC TEST REPORT

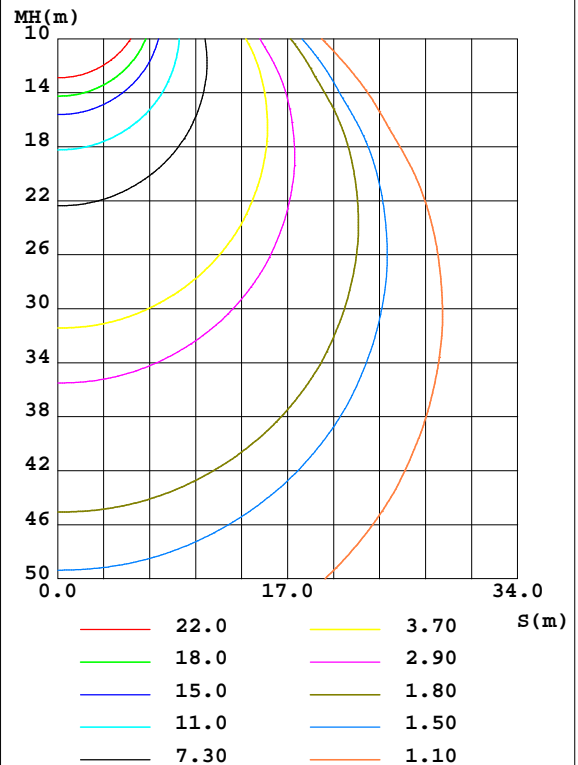
Test:U:120.28V I:0.5150A P:61.791W PF:0.9974 Freq:59.98Hz Lamp Flux:9628.06x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: 12mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.82 lm/W			
MODEL	GHRM-10-U	Imax(cd)	3656	S/MH(C0/180)	1.30
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	9628.1	η UP,DN(C0-180)	0.0,50.1
NOMINAL FLUX(lm)	9628.06	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	1.35

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:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [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	3613	3586	3592	3595	3624	3591	3590	3586	0- 10	345.5	345.5	3.59,3.59
20	3451	3455	3442	3472	3470	3467	3436	3454	10- 20	999.1	1345	14,14
30	3179	3154	3205	3182	3204	3172	3192	3149	20- 30	1532	2877	29.9,29.9
40	2767	2773	2741	2817	2816	2793	2720	2771	30- 40	1867	4744	49.3,49.3
50	2203	2138	2146	2210	2268	2175	2126	2151	40- 50	1921	6665	69.2,69.2
60	1408	1367	1420	1453	1497	1414	1410	1390	50- 60	1617	8282	86,86
70	551.7	583.0	650.5	666.5	648.0	637.1	647.1	611.2	60- 70	1010	9292	96.5,96.5
80	52.56	57.43	0	77.04	72.63	69.73	0	61.14	70- 80	323.6	9616	99.9,99.9
90	1.819	0	0	0	1.782	0	0	0	80- 90	12.29	9628	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): 5718 lm

%lum = 59.4%

%lamp = 59.4%

Conical surface Flux(120deg): 8282 lm

%lum = 86.0%

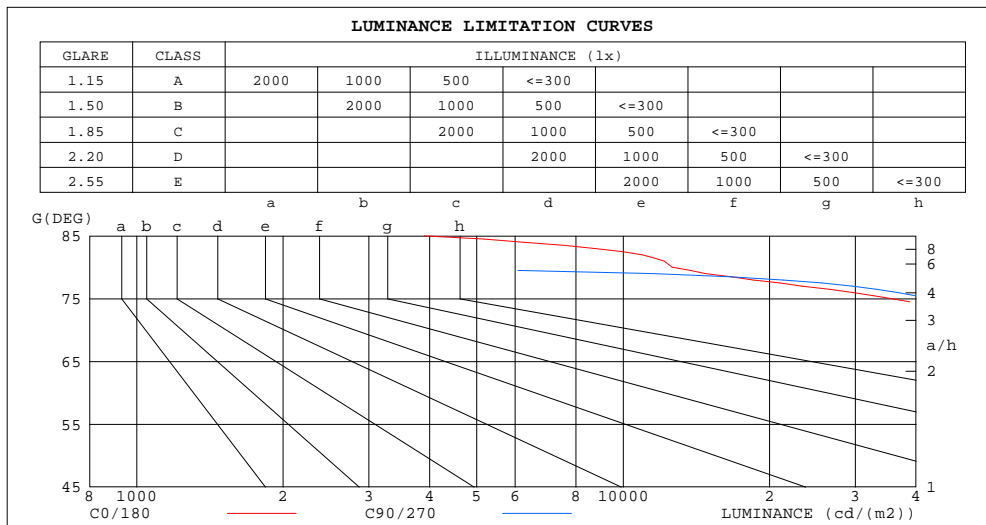
%lamp = 86.0%

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.28V I:0.5150A P:61.791W PF:0.9974 Freq:59.98Hz Lamp Flux:9628.06x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: 12mm	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	3899	0
80	12611	0
75	35543	42814
70	67212	79251
65	96955	102054
60	117308	118308
55	129925	129506
50	142784	139096
45	147560	147837

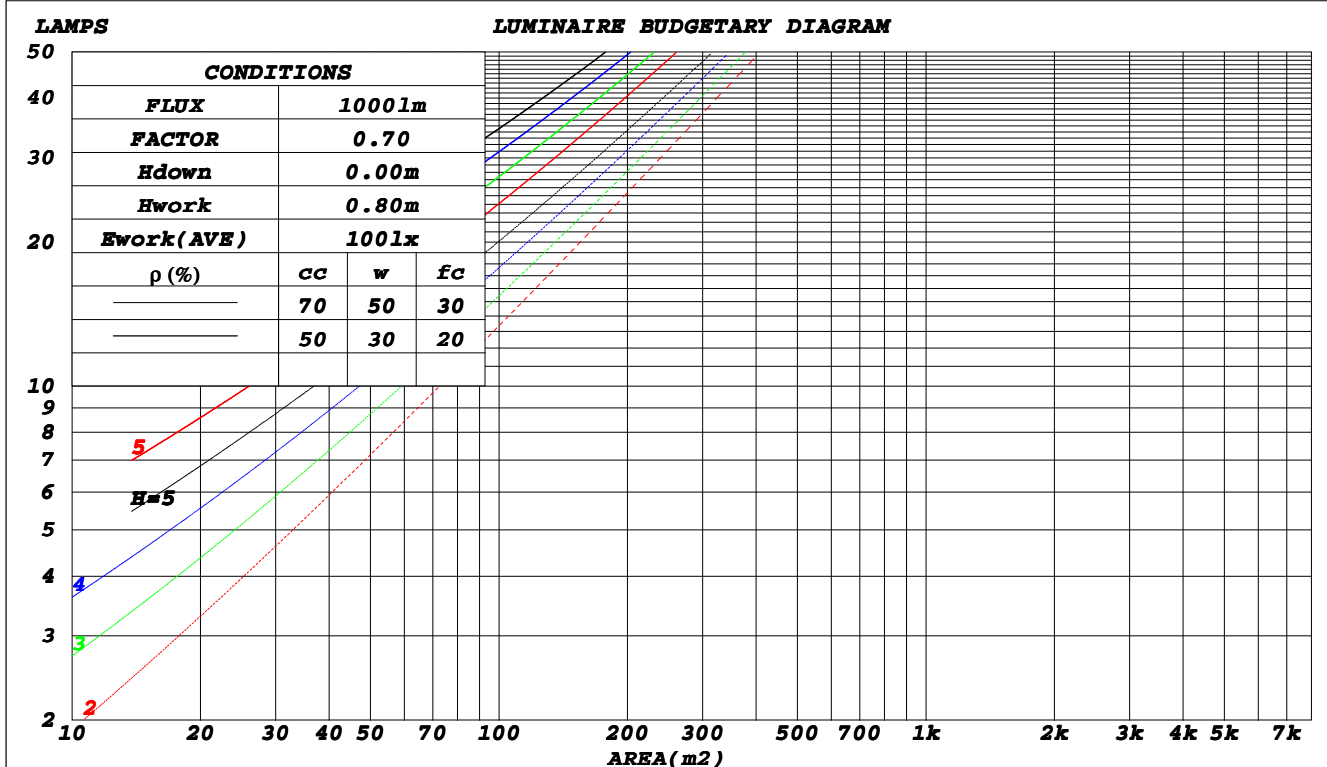
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.28V I:0.5150A P:61.791W PF:0.9974 Freq:59.98Hz Lamp Flux:9628.06x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: 12mm	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	1.06	1.02	.99	1.04	1.00	.97	.00	.97	.94	.96	.93	.91	.92	.90	.89	.87
2.0	.93	.87	.82	.92	.86	.81	.88	.83	.79	.85	.81	.77	.82	.79	.76	.74
3.0	.83	.75	.69	.81	.74	.68	.78	.72	.67	.75	.70	.66	.73	.69	.65	.63
4.0	.73	.65	.59	.72	.64	.58	.70	.63	.58	.67	.62	.57	.65	.60	.56	.54
5.0	.66	.57	.51	.65	.57	.51	.63	.55	.50	.61	.54	.49	.59	.53	.49	.47
6.0	.59	.51	.44	.58	.50	.44	.57	.49	.44	.55	.48	.44	.53	.48	.43	.41
7.0	.54	.45	.39	.53	.45	.39	.51	.44	.39	.50	.43	.39	.49	.43	.38	.36
8.0	.49	.41	.35	.48	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.34	.32
9.0	.45	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.41	.35	.31	.29
10.0	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.28V I:0.5150A P:61.791W PF:0.9974 Freq:59.98Hz Lamp Flux:9628.06x1 lm					
NAME: LED Explosion-proof Light			TYPE:Flood Light		WEIGHT:N/A
SPEC.:60W/5000K			DIM.: 12mm		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	.269	.153	.048	.262	.149	.047	.249	.143	.046	.237	.137	.044	.226	.131	.042		
2.0	.263	.144	.044	.257	.142	.044	.246	.137	.042	.235	.132	.041	.225	.127	.040		
3.0	.249	.133	.040	.244	.131	.039	.234	.127	.039	.224	.123	.038	.216	.119	.037		
4.0	.234	.122	.036	.229	.120	.035	.220	.117	.035	.212	.114	.034	.204	.111	.034		
5.0	.219	.111	.032	.214	.110	.032	.207	.108	.032	.199	.105	.031	.192	.103	.031		
6.0	.205	.103	.029	.201	.101	.029	.194	.099	.029	.187	.097	.029	.181	.095	.028		
7.0	.192	.095	.027	.188	.094	.027	.182	.092	.026	.176	.090	.026	.170	.089	.026		
8.0	.180	.088	.025	.177	.087	.025	.171	.086	.024	.166	.084	.024	.161	.083	.024		
9.0	.169	.082	.023	.167	.081	.023	.162	.080	.023	.157	.079	.022	.152	.077	.022		
10.0	.160	.077	.021	.157	.076	.021	.153	.075	.021	.148	.074	.021	.144	.073	.021		

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	.177	.156	.138	.152	.134	.118	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.168	.132	.101	.144	.114	.088	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.160	.114	.077	.138	.098	.067	.094	.068	.047	.055	.040	.028	.018	.013	.009	
4.0	.153	.101	.061	.131	.087	.053	.090	.061	.037	.052	.035	.022	.017	.012	.007	
5.0	.146	.090	.049	.125	.078	.043	.086	.054	.030	.050	.032	.018	.016	.010	.006	
6.0	.139	.082	.040	.120	.071	.035	.083	.050	.025	.048	.029	.015	.015	.010	.005	
7.0	.133	.075	.034	.114	.065	.030	.079	.045	.021	.046	.027	.013	.015	.009	.004	
8.0	.127	.069	.029	.109	.060	.026	.075	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.121	.064	.026	.104	.056	.022	.072	.039	.016	.042	.023	.010	.014	.008	.003	
10.0	.115	.060	.023	.099	.052	.020	.069	.037	.014	.040	.022	.008	.013	.007	.003	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.28V I:0.5150A P:61.791W PF:0.9974 Freq:59.98Hz Lamp Flux:9628.06x1 lm										
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:60W/5000K					DIM.: 12mm			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	21.8	23.3	22.1	23.5	23.7	21.9	23.3	22.1	23.5	23.7
3H	22.5	23.8	22.8	24.1	24.3	22.8	24.1	23.1	24.3	24.6
4H	22.5	23.8	22.9	24.1	24.3	22.9	24.2	23.2	24.4	24.7
6H	22.5	23.7	22.8	23.9	24.2	22.8	24.0	23.2	24.3	24.6
8H	22.4	23.6	22.8	23.8	24.1	22.8	23.9	23.1	24.2	24.5
12H	22.4	23.5	22.7	23.8	24.1	22.7	23.8	23.1	24.1	24.4
4H 2H	22.2	23.5	22.5	23.7	24.0	22.3	23.5	22.6	23.8	24.0
3H	23.0	24.1	23.3	24.4	24.7	23.3	24.4	23.6	24.7	25.0
4H	23.1	24.1	23.4	24.4	24.7	23.5	24.5	23.8	24.8	25.1
6H	23.0	23.9	23.4	24.2	24.6	23.4	24.3	23.8	24.6	25.0
8H	23.0	23.8	23.4	24.2	24.5	23.4	24.2	23.8	24.5	24.9
12H	22.9	23.7	23.4	24.1	24.5	23.3	24.1	23.8	24.5	24.9
8H 4H	23.1	23.9	23.5	24.3	24.6	23.5	24.3	23.9	24.6	25.0
6H	23.1	23.7	23.5	24.1	24.6	23.4	24.1	23.9	24.5	24.9
8H	23.0	23.6	23.5	24.0	24.5	23.4	24.0	23.8	24.4	24.8
12H	23.0	23.5	23.5	23.9	24.4	23.3	23.8	23.8	24.3	24.8
12H 4H	23.0	23.8	23.5	24.2	24.6	23.4	24.2	23.8	24.5	24.9
6H	23.0	23.6	23.5	24.0	24.5	23.4	24.0	23.8	24.4	24.8
8H	23.0	23.5	23.5	23.9	24.4	23.4	23.8	23.8	24.3	24.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				
1.5H	+ 0.3 / - 0.6					+ 0.2 / - 0.6				
2.0H	+ 0.7 / - 0.6					+ 0.6 / - 0.6				

CIE Pub.117, 9628 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 7.9$)
Area: 0.024 m²

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.28V I:0.5150A P:61.791W PF:0.9974 Freq:59.98Hz Lamp Flux:9628.06x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: 12mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

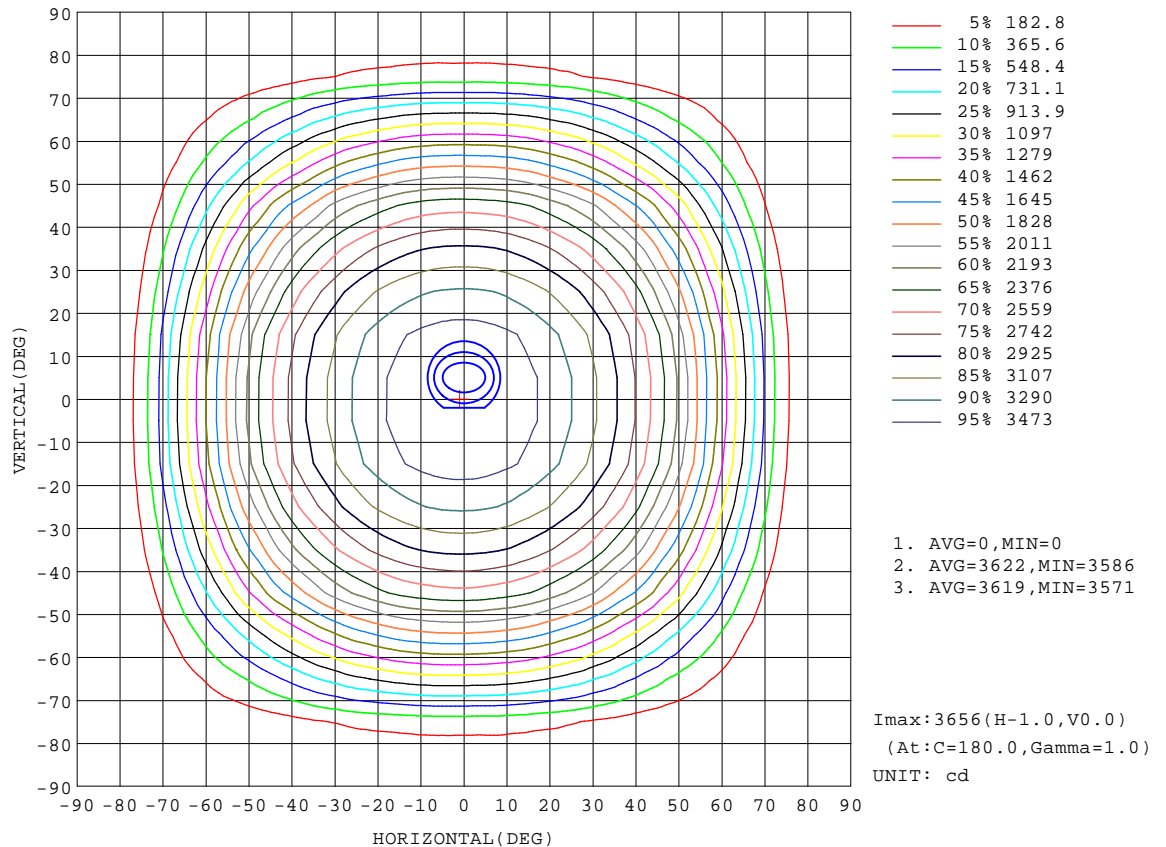
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	60	48	42	59	48	42	58	48	41	35
0.80	70	59	52	69	59	52	68	58	52	45
1.00	79	69	62	78	68	62	76	69	61	54
1.25	86	77	70	85	76	70	82	74	69	62
1.50	91	82	76	90	81	75	87	80	74	67
2.00	98	90	84	96	89	84	93	87	82	75
2.50	101	94	89	99	93	88	96	90	86	78
3.00	104	98	94	102	97	92	98	94	90	82
4.00	108	103	99	106	101	98	102	98	95	87
5.00	110	106	102	108	104	101	103	100	98	89
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:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.28V I:0.5150A P:61.791W PF:0.9974 Freq:59.98Hz Lamp Flux:9628.06x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: 12mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



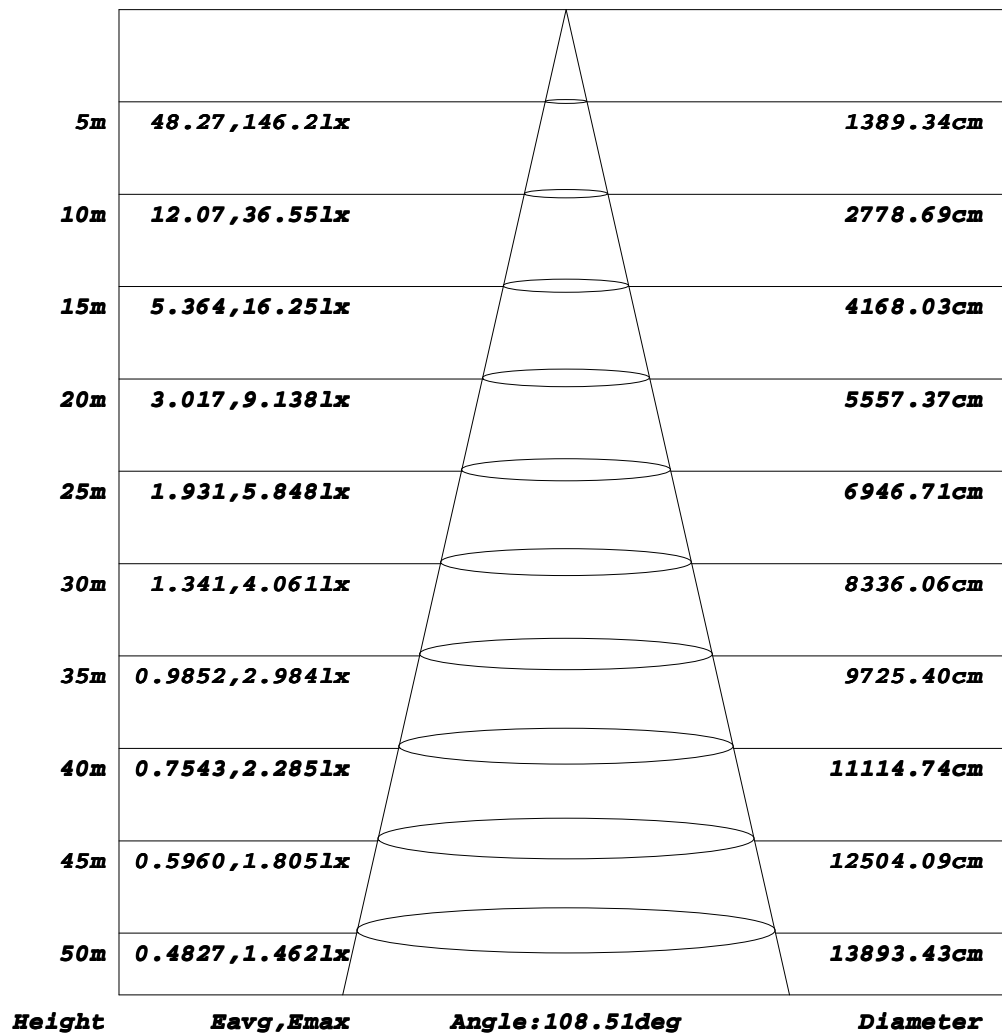
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.28V I:0.5150A P:61.791W PF:0.9974 Freq:59.98Hz Lamp Flux:9628.06x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: 12mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:7452 lm



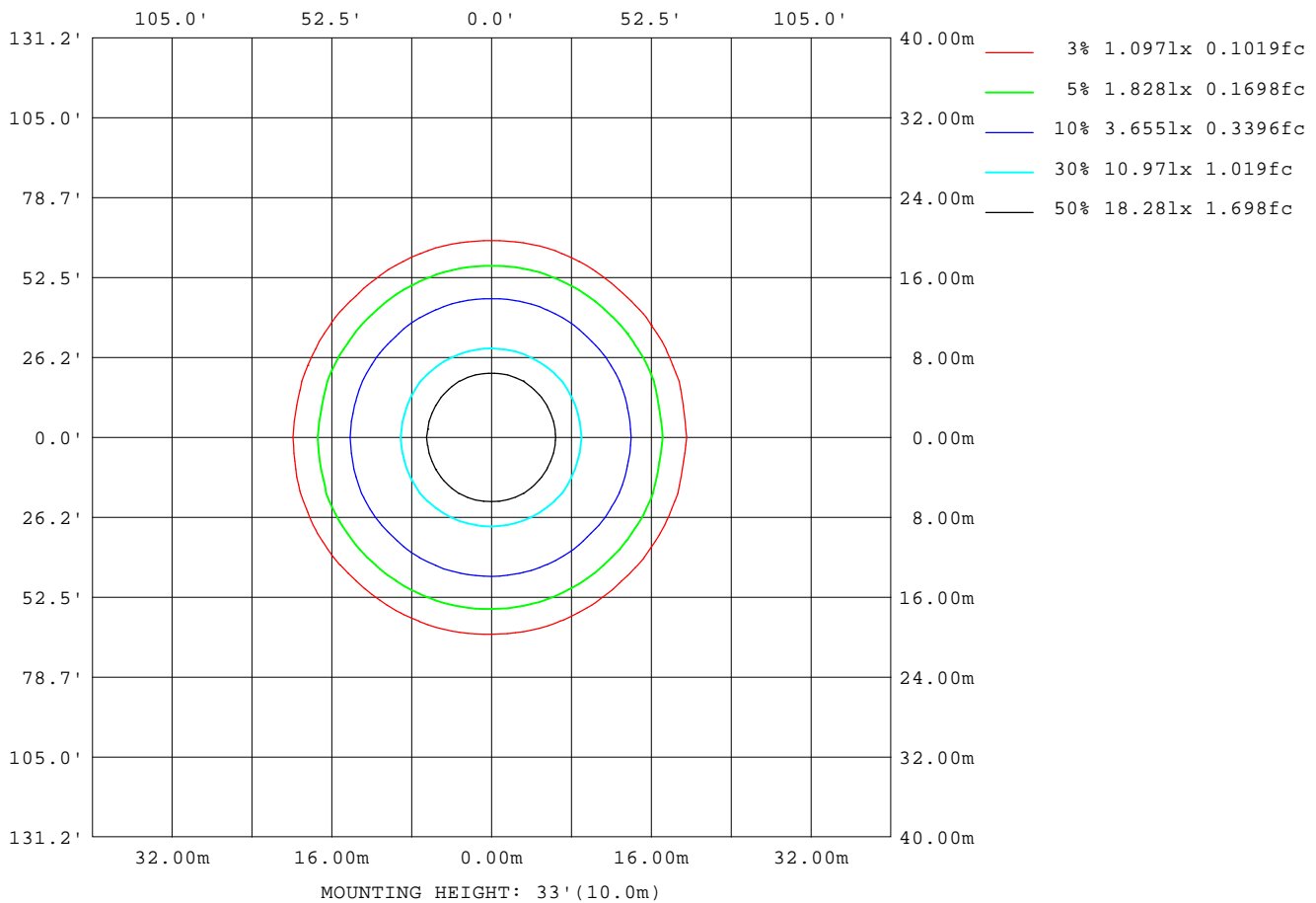
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessie
Test Date: 2024-11-21

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65%
Test Distance: 6.918m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.28V I:0.5150A P:61.791W PF:0.9974 Freq:59.98Hz Lamp Flux:9628.06x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: 12mm	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:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.28V I:0.5150A P:61.791W PF:0.9974 Freq:59.98Hz Lamp Flux:9628.06x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: 12mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

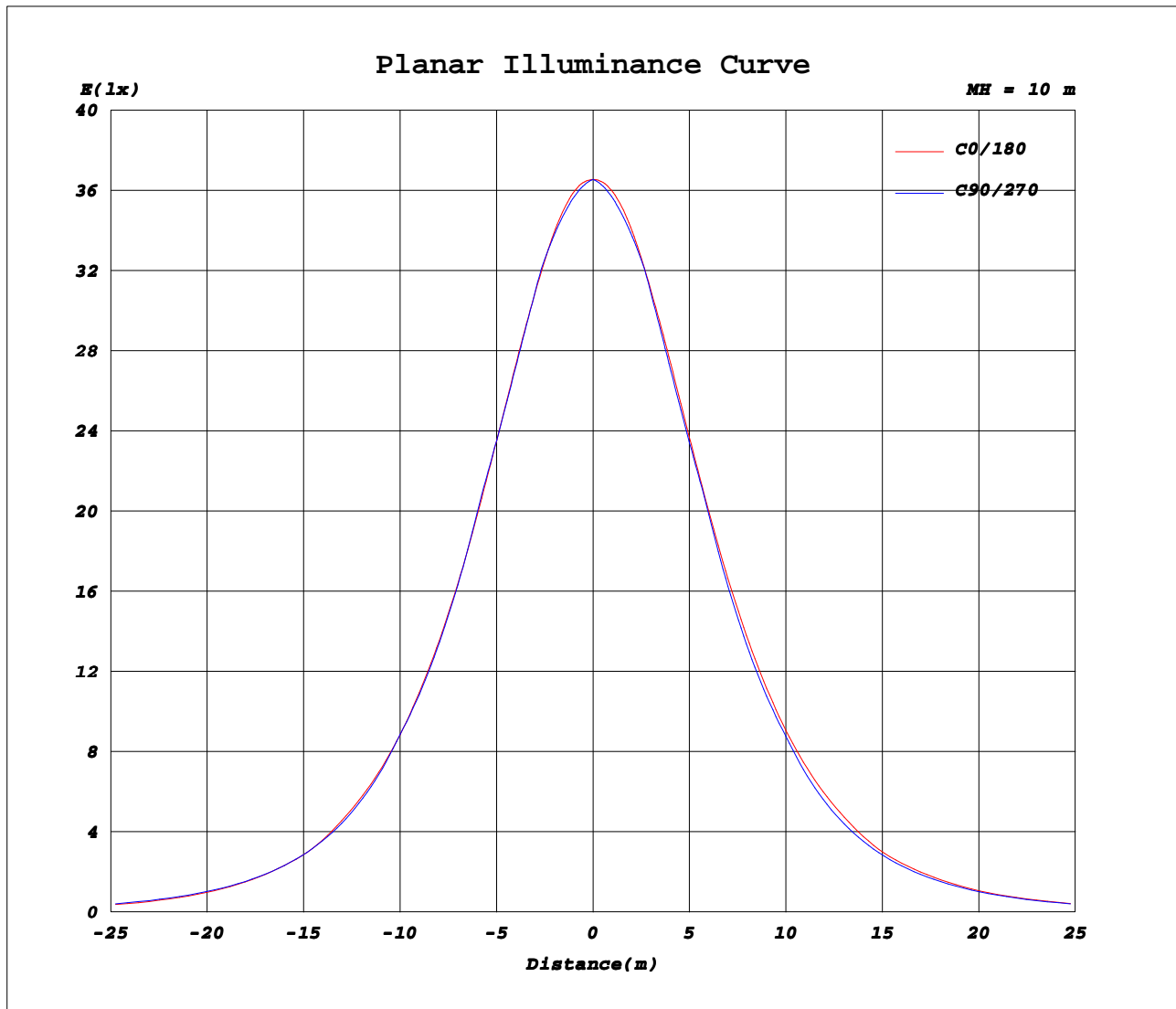
AvgL	cd/m2
L_0~180(65)av	101342
L_0~180(75)av	40933
L_0~180(85)av	6280
L_90~270(65)av	101741
L_90~270(75)av	42772
L_90~270(85)av	0
L_45(65)av	98264
L_45(75)av	51866
L_45(85)av	0

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:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [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:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [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	3655	3655	3655	3655	3655	3655	3655	3655	3655	3655
2.5	3654	3653	3651	3650	3649	3647	3646	3645	3644	3643
5.0	3649	3646	3643	3640	3638	3636	3634	3632	3631	3629
7.5	3635	3631	3627	3623	3620	3617	3615	3613	3611	3610
10.0	3613	3607	3602	3597	3593	3591	3588	3587	3586	3586
12.5	3583	3575	3569	3565	3561	3559	3558	3557	3557	3558
15.0	3545	3536	3529	3524	3521	3520	3520	3522	3525	3528
17.5	3503	3492	3485	3479	3475	3475	3478	3481	3486	3493
20.0	3451	3440	3431	3426	3424	3427	3431	3436	3445	3455
22.5	3396	3382	3373	3369	3369	3371	3377	3388	3400	3391
25.0	3330	3315	3305	3302	3303	3310	3320	3334	3323	3316
27.5	3258	3241	3232	3229	3232	3241	3256	3249	3241	3236
30.0	3179	3160	3150	3148	3156	3169	3171	3159	3154	3154
32.5	3081	3064	3057	3060	3072	3087	3072	3065	3063	3067
35.0	2984	2966	2960	2964	2980	2981	2968	2965	2969	2977
37.5	2878	2859	2855	2865	2886	2867	2857	2859	2869	2885
40.0	2767	2745	2742	2754	2766	2747	2741	2748	2765	2773
42.5	2645	2620	2617	2635	2630	2618	2619	2632	2645	2623
45.0	2504	2478	2478	2501	2480	2477	2490	2512	2482	2467
47.5	2359	2330	2331	2346	2316	2320	2348	2340	2310	2306
50.0	2203	2165	2167	2171	2145	2151	2178	2157	2136	2138
52.5	2018	1984	1986	1979	1971	1977	1976	1970	1960	1964
55.0	1789	1777	1807	1786	1789	1794	1772	1783	1784	1784
57.5	1600	1569	1602	1586	1603	1595	1571	1593	1604	1575
60.0	1408	1372	1375	1368	1399	1378	1383	1397	1388	1367
62.5	1191	1165	1161	1166	1167	1167	1188	1171	1171	1163
65.0	983.4	950.2	950.2	951.7	952.0	954.2	962.1	959.2	956.3	956.7
67.5	763.7	739.6	736.4	750.6	737.7	750.1	753.8	753.5	748.0	747.4
70.0	551.7	537.5	536.2	542.2	545.5	562.9	558.8	545.1	549.0	583.0
72.5	367.4	355.7	362.1	361.3	369.1	387.2	378.5	373.6	408.0	435.2
75.0	220.8	212.1	216.2	216.3	232.5	235.4	243.8	271.3	286.7	296.3
77.5	109.0	104.6	110.3	120.5	122.9	132.5	165.9	175.6	173.0	163.9
80.0	52.56	54.38	54.34	64.32	59.08	80.69	95.82	87.20	64.30	57.43
82.5	31.13	30.77	30.25	33.26	31.70	37.83	33.90	26.39	16.96	7.671
85.0	8.156	7.427	10.14	11.94	9.527	7.325	0	0	0	0
87.5	1.923	2.579	2.318	0	0	0	0	0	0	0
90.0	1.819	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	3655	3655	3655	3655	3655	3655	3655	3655	3655	3655
2.5	3642	3641	3640	3640	3639	3639	3639	3639	3640	3640
5.0	3628	3627	3626	3625	3624	3623	3623	3623	3624	3624
7.5	3609	3609	3608	3608	3608	3607	3607	3607	3608	3608
10.0	3586	3587	3588	3589	3590	3591	3591	3591	3592	3593
12.5	3560	3562	3565	3567	3570	3573	3574	3575	3577	3577
15.0	3531	3534	3539	3544	3548	3553	3557	3559	3561	3561
17.5	3501	3506	3507	3503	3502	3501	3501	3500	3502	3502
20.0	3456	3451	3445	3441	3440	3440	3441	3441	3442	3443
22.5	3385	3381	3382	3378	3378	3380	3381	3382	3383	3384
25.0	3311	3309	3311	3315	3316	3319	3321	3322	3324	3324
27.5	3236	3237	3239	3249	3253	3258	3261	3263	3264	3265
30.0	3157	3162	3168	3178	3190	3196	3202	3204	3205	3206
32.5	3075	3085	3095	3106	3104	3096	3092	3089	3089	3091
35.0	2990	3007	2993	2982	2980	2975	2973	2972	2973	2975
37.5	2893	2875	2863	2857	2854	2854	2854	2855	2857	2858
40.0	2751	2736	2731	2730	2730	2732	2734	2737	2741	2742
42.5	2607	2597	2595	2601	2605	2611	2614	2620	2625	2625
45.0	2459	2455	2458	2471	2481	2488	2494	2502	2509	2508
47.5	2310	2312	2320	2338	2339	2330	2323	2324	2327	2330
50.0	2156	2168	2161	2155	2153	2147	2141	2142	2146	2150
52.5	1998	1985	1968	1964	1966	1964	1960	1961	1964	1969
55.0	1789	1786	1776	1773	1780	1781	1778	1780	1783	1789
57.5	1580	1584	1583	1583	1593	1598	1597	1598	1601	1608
60.0	1374	1379	1391	1393	1406	1415	1416	1417	1420	1428
62.5	1171	1177	1198	1203	1218	1227	1227	1226	1227	1236
65.0	964.6	980.7	1012	1019	1029	1036	1037	1035	1035	1043
67.5	776.8	808.5	830.6	835.5	841.4	846.5	846.2	843.2	842.8	850.3
70.0	612.2	638.8	651.5	654.0	655.1	657.0	655.9	652.0	650.5	657.5
72.5	456.4	471.7	474.7	473.8	470.0	467.7	465.7	460.9	458.2	464.6
75.0	304.0	306.7	301.1	294.5	285.8	278.8	275.6	269.9	265.9	271.6
77.5	154.5	143.8	146.2	148.1	145.3	141.2	139.0	135.4	133.0	136.2
80.0	58.72	57.82	49.88	39.71	27.77	16.62	7.803	1.990	0	2.001
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:2024-11-21

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.918m [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	3655	3655	3655	3655	3655	3655	3655	3655	3655	3655
2.5	3640	3640	3641	3641	3642	3642	3643	3643	3645	3645
5.0	3625	3625	3625	3626	3627	3629	3630	3632	3633	3635
7.5	3609	3608	3609	3611	3612	3613	3614	3615	3617	3619
10.0	3592	3593	3593	3593	3593	3594	3594	3595	3596	3597
12.5	3576	3576	3575	3574	3573	3572	3571	3570	3570	3569
15.0	3559	3558	3556	3554	3550	3547	3544	3541	3538	3536
17.5	3504	3507	3511	3515	3521	3520	3513	3508	3503	3498
20.0	3445	3447	3450	3453	3459	3463	3472	3472	3465	3457
22.5	3385	3387	3388	3391	3393	3397	3403	3413	3422	3409
25.0	3326	3326	3326	3326	3327	3329	3333	3338	3347	3358
27.5	3266	3265	3264	3261	3259	3258	3259	3262	3267	3278
30.0	3206	3204	3200	3194	3189	3185	3183	3182	3186	3191
32.5	3097	3105	3114	3127	3118	3111	3104	3100	3097	3101
35.0	2980	2986	2994	3005	3019	3035	3023	3014	3007	3007
37.5	2862	2867	2874	2883	2894	2909	2931	2924	2913	2902
40.0	2744	2748	2754	2759	2767	2776	2794	2817	2813	2797
42.5	2625	2629	2633	2635	2637	2642	2654	2673	2699	2687
45.0	2507	2509	2512	2509	2505	2506	2512	2523	2542	2572
47.5	2338	2352	2372	2383	2371	2367	2366	2369	2378	2406
50.0	2158	2171	2187	2201	2216	2227	2218	2210	2210	2231
52.5	1978	1990	2002	2010	2024	2045	2067	2044	2038	2051
55.0	1797	1808	1816	1819	1832	1847	1862	1871	1866	1870
57.5	1617	1625	1630	1629	1640	1646	1656	1661	1689	1692
60.0	1437	1442	1443	1438	1448	1444	1451	1453	1476	1511
62.5	1245	1252	1254	1249	1256	1243	1248	1248	1265	1283
65.0	1052	1058	1061	1060	1065	1046	1047	1043	1053	1063
67.5	858.8	864.2	868.9	873.3	877.6	868.4	857.6	838.2	840.8	850.8
70.0	665.6	670.8	678.2	687.6	692.4	691.8	682.4	666.5	638.9	642.0
72.5	472.5	477.8	488.7	503.0	509.8	517.3	513.1	505.5	489.2	464.7
75.0	279.5	285.2	300.2	319.3	329.6	345.1	348.8	349.9	348.0	337.9
77.5	141.1	144.7	153.8	164.6	167.1	174.9	187.9	200.0	212.8	218.6
80.0	7.928	17.05	29.43	44.23	57.48	70.76	75.91	77.04	83.68	107.3
82.5	0	0	0	0	0	0	0	10.40	22.26	31.70
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	3655	3655	3655	3655	3655	3655	3655	3655	3655	3655
2.5	3647	3648	3649	3651	3652	3654	3655	3654	3652	3651
5.0	3637	3639	3641	3644	3646	3649	3652	3649	3646	3643
7.5	3621	3624	3627	3630	3634	3638	3643	3638	3633	3629
10.0	3599	3602	3605	3608	3613	3618	3624	3617	3612	3607
12.5	3570	3571	3574	3577	3582	3588	3596	3588	3581	3576
15.0	3535	3535	3537	3540	3546	3553	3561	3552	3545	3539
17.5	3496	3494	3494	3495	3500	3507	3517	3507	3499	3493
20.0	3450	3446	3445	3446	3450	3459	3470	3458	3449	3444
22.5	3400	3393	3391	3391	3396	3404	3417	3403	3394	3389
25.0	3346	3337	3330	3328	3331	3340	3354	3339	3329	3325
27.5	3287	3271	3262	3258	3260	3268	3283	3267	3258	3256
30.0	3204	3203	3190	3181	3180	3188	3204	3186	3177	3177
32.5	3111	3124	3105	3095	3093	3101	3118	3099	3089	3090
35.0	3007	3019	3020	3006	3001	3007	3024	3004	2996	2999
37.5	2902	2912	2930	2911	2902	2906	2924	2902	2895	2901
40.0	2791	2797	2818	2807	2794	2797	2816	2793	2787	2795
42.5	2675	2675	2690	2695	2677	2677	2698	2673	2669	2683
45.0	2552	2543	2550	2571	2546	2543	2566	2539	2535	2556
47.5	2420	2399	2398	2422	2404	2401	2426	2397	2396	2407
50.0	2261	2244	2230	2252	2250	2241	2268	2234	2239	2238
52.5	2071	2073	2057	2072	2077	2068	2098	2059	2058	2051
55.0	1876	1886	1887	1884	1897	1869	1881	1863	1882	1858
57.5	1675	1694	1710	1691	1703	1662	1678	1656	1693	1667
60.0	1485	1495	1517	1476	1490	1476	1497	1463	1467	1456
62.5	1298	1285	1279	1279	1284	1273	1283	1263	1259	1246
65.0	1089	1067	1065	1090	1069	1068	1072	1049	1045	1040
67.5	868.6	865.3	862.6	866.7	857.2	857.8	862.9	848.4	825.2	832.5
70.0	656.0	667.5	668.4	659.7	648.6	651.7	648.0	633.2	621.6	619.1
72.5	468.3	480.3	477.7	465.3	458.9	459.2	451.4	444.9	433.4	435.7
75.0	316.4	314.0	319.3	305.1	296.5	293.8	287.7	279.7	275.4	277.0
77.5	215.4	193.9	179.6	179.8	169.2	161.9	163.0	153.1	153.1	159.2

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

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-21

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.918m [K=1.0000]

Remarks:

Photometric Data Table [cd]

80.0	125.5	120.6	93.05	90.94	78.41	75.92	72.63	71.59	70.58	82.01
82.5	44.59	59.23	51.64	43.98	46.09	45.69	43.11	42.59	40.05	40.61
85.0	0	11.87	18.84	20.75	22.25	20.53	18.12	15.88	16.83	17.28
87.5	0	0	0	0	3.359	4.424	3.465	2.826	2.188	0
90.0	0	0	0	0	0	0	1.782	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	3655	3655	3655	3655	3655	3655	3655	3655	3655	3655
2.5	3649	3648	3646	3645	3644	3643	3642	3642	3641	3641
5.0	3641	3638	3636	3634	3632	3631	3630	3628	3626	3625
7.5	3626	3622	3620	3618	3616	3614	3612	3611	3610	3610
10.0	3603	3600	3597	3595	3593	3591	3591	3592	3591	3591
12.5	3572	3569	3566	3567	3566	3566	3566	3567	3570	3571
15.0	3535	3533	3532	3532	3534	3537	3539	3542	3544	3549
17.5	3491	3491	3493	3495	3498	3502	3508	3514	3514	3508
20.0	3442	3442	3446	3452	3460	3467	3465	3457	3451	3445
22.5	3388	3390	3396	3404	3416	3406	3397	3389	3385	3381
25.0	3325	3331	3341	3354	3340	3331	3324	3319	3316	3316
27.5	3259	3266	3279	3271	3260	3253	3249	3247	3248	3249
30.0	3185	3198	3197	3182	3174	3172	3172	3173	3176	3181
32.5	3099	3117	3101	3090	3085	3086	3092	3098	3103	3112
35.0	3011	3009	2994	2991	2991	2998	3008	3020	3002	2987
37.5	2918	2898	2886	2883	2892	2905	2913	2890	2873	2861
40.0	2802	2782	2773	2776	2788	2793	2772	2753	2742	2734
42.5	2673	2655	2663	2672	2682	2645	2628	2616	2608	2606
45.0	2530	2518	2527	2549	2513	2495	2484	2477	2472	2475
47.5	2371	2368	2388	2379	2346	2339	2337	2336	2336	2343
50.0	2205	2206	2224	2200	2175	2175	2188	2195	2181	2164
52.5	2035	2035	2031	2017	2002	2002	2036	2014	1991	1977
55.0	1859	1855	1834	1837	1831	1825	1829	1819	1801	1790
57.5	1676	1664	1636	1656	1657	1620	1621	1621	1611	1603
60.0	1480	1456	1449	1469	1446	1414	1416	1420	1420	1416
62.5	1250	1240	1263	1242	1233	1210	1217	1219	1229	1229
65.0	1030	1037	1044	1022	1015	1007	1019	1022	1044	1042
67.5	823.3	832.4	819.6	812.1	803.4	803.6	829.9	844.9	861.5	857.0
70.0	622.5	630.1	621.1	609.2	608.3	637.1	655.6	671.4	680.5	673.9
72.5	446.8	450.6	430.4	432.7	463.8	480.0	489.6	500.2	500.5	491.9
75.0	286.8	286.6	287.1	309.8	324.2	329.2	330.1	331.3	322.9	310.9
77.5	158.7	172.1	195.6	195.6	195.3	174.0	164.2	162.6	159.5	159.5
80.0	79.39	106.1	113.8	99.09	74.76	69.73	68.94	66.19	55.72	42.79
82.5	43.21	51.55	41.37	29.31	19.66	9.305	0	0	0	0
85.0	15.01	10.49	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	3655	3655	3655	3655	3655	3655	3655	3655	3655	3655
2.5	3640	3640	3639	3639	3639	3639	3639	3639	3639	3640
5.0	3624	3624	3623	3623	3623	3623	3623	3623	3623	3624
7.5	3608	3607	3607	3607	3606	3606	3606	3606	3607	3607
10.0	3591	3591	3591	3591	3590	3590	3589	3589	3589	3588
12.5	3572	3574	3574	3574	3574	3574	3572	3571	3569	3566
15.0	3553	3555	3557	3558	3558	3557	3555	3552	3547	3542
17.5	3506	3502	3500	3498	3497	3496	3498	3498	3498	3503
20.0	3441	3440	3438	3437	3436	3435	3436	3436	3437	3440
22.5	3378	3378	3376	3375	3374	3374	3373	3373	3374	3375
25.0	3315	3314	3315	3314	3314	3313	3313	3311	3310	3308
27.5	3251	3252	3253	3252	3252	3251	3249	3249	3245	3238
30.0	3185	3189	3192	3191	3192	3191	3190	3186	3180	3168
32.5	3099	3090	3081	3075	3074	3075	3079	3084	3091	3098
35.0	2978	2970	2962	2957	2956	2956	2959	2964	2967	2974
37.5	2855	2849	2843	2840	2838	2837	2839	2844	2844	2850
40.0	2732	2729	2725	2722	2720	2718	2719	2723	2722	2724
42.5	2608	2608	2606	2604	2602	2599	2600	2602	2599	2596
45.0	2483	2487	2487	2485	2484	2480	2480	2481	2476	2466
47.5	2340	2330	2319	2309	2305	2304	2312	2324	2334	2335
50.0	2157	2149	2140	2130	2126	2125	2134	2144	2152	2155
52.5	1973	1968	1960	1951	1947	1947	1955	1964	1969	1967
55.0	1789	1788	1781	1772	1768	1769	1777	1783	1785	1778
57.5	1605	1607	1601	1593	1589	1591	1598	1602	1601	1591
60.0	1421	1426	1422	1414	1410	1413	1419	1422	1416	1403
62.5	1234	1238	1232	1224	1220	1223	1229	1234	1229	1216
65.0	1044	1047	1041	1033	1029	1032	1038	1043	1039	1031
67.5	854.7	855.8	850.1	842.3	837.9	842.1	846.5	851.5	849.7	847.1
70.0	667.0	665.3	659.2	651.6	647.1	651.7	655.5	660.6	662.3	664.8

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-21

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.918m [K=1.0000]

Remarks:

Photometric Data Table [cd]

72.5	480.2	475.0	468.4	461.0	456.3	461.3	464.4	470.0	476.2	483.6
75.0	294.2	285.0	277.7	270.5	265.4	270.8	273.3	279.5	291.0	303.2
77.5	150.3	144.8	140.2	135.7	132.7	135.8	137.8	141.5	148.3	153.8
80.0	28.76	17.05	7.875	1.994	0	1.995	7.742	16.66	28.34	41.23
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	3655	3655	3655	3655	3655	3655	3655	3655	3655	3655
2.5	3640	3641	3642	3643	3644	3645	3646	3647	3648	3650
5.0	3625	3626	3627	3629	3630	3632	3634	3636	3638	3640
7.5	3608	3608	3609	3609	3610	3612	3614	3617	3620	3623
10.0	3587	3586	3586	3586	3587	3587	3589	3591	3594	3597
12.5	3563	3562	3561	3559	3557	3557	3557	3558	3561	3565
15.0	3539	3535	3531	3527	3524	3522	3520	3519	3521	3524
17.5	3508	3506	3498	3493	3486	3481	3477	3474	3475	3478
20.0	3443	3447	3454	3454	3444	3435	3429	3425	3424	3425
22.5	3375	3378	3383	3389	3397	3386	3376	3369	3367	3367
25.0	3305	3306	3308	3312	3320	3331	3317	3308	3302	3301
27.5	3234	3232	3231	3232	3237	3246	3255	3243	3233	3230
30.0	3162	3156	3152	3149	3151	3158	3172	3170	3157	3149
32.5	3089	3079	3069	3064	3062	3065	3074	3089	3073	3062
35.0	2987	2999	2987	2976	2968	2965	2969	2984	2983	2966
37.5	2857	2870	2890	2883	2868	2860	2860	2869	2886	2865
40.0	2726	2735	2750	2771	2765	2750	2743	2749	2769	2757
42.5	2593	2597	2607	2623	2647	2635	2624	2623	2637	2640
45.0	2458	2457	2461	2471	2487	2519	2497	2486	2490	2510
47.5	2322	2315	2314	2314	2320	2350	2359	2335	2333	2358
50.0	2166	2173	2164	2151	2150	2170	2196	2174	2162	2184
52.5	1976	1991	2010	1981	1976	1987	2001	1999	1986	1993
55.0	1786	1794	1805	1804	1801	1804	1799	1813	1808	1799
57.5	1596	1595	1598	1595	1623	1621	1598	1618	1627	1602
60.0	1405	1396	1392	1390	1412	1431	1409	1412	1428	1387
62.5	1213	1197	1189	1185	1200	1205	1221	1198	1194	1195
65.0	1025	1003	985.8	979.7	988.4	991.7	1007	986.4	982.7	987.7
67.5	840.9	827.4	799.5	775.7	778.6	785.9	789.3	790.4	778.9	783.2
70.0	660.4	653.7	632.1	611.2	579.2	583.3	590.8	592.3	582.7	573.4
72.5	482.5	483.0	470.9	458.9	437.9	410.5	412.5	418.2	404.6	389.7
75.0	307.1	315.0	314.2	313.4	307.2	295.9	272.7	260.1	256.6	238.3
77.5	150.2	150.0	161.4	173.6	184.6	190.6	182.3	152.1	135.2	135.1
80.0	51.34	60.16	62.49	61.14	67.49	94.00	104.1	91.58	64.77	69.30
82.5	0	0	0	8.227	17.60	28.00	36.06	43.38	35.46	35.46
85.0	0	0	0	0	0	0	0	8.344	11.38	13.45
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	3655	3655								
2.5	3651	3653								
5.0	3643	3646								
7.5	3627	3631								
10.0	3602	3607								
12.5	3569	3575								
15.0	3529	3536								
17.5	3484	3492								
20.0	3430	3439								
22.5	3372	3382								
25.0	3306	3315								
27.5	3232	3241								
30.0	3151	3161								
32.5	3058	3064								
35.0	2960	2966								
37.5	2856	2860								
40.0	2745	2747								
42.5	2621	2623								
45.0	2486	2482								
47.5	2340	2335								
50.0	2178	2170								
52.5	1995	1987								
55.0	1809	1778								
57.5	1611	1576								
60.0	1396	1383								
62.5	1182	1173								

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

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-21

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.918m [K=1.0000]

Remarks:

Photometric Data Table [cd]

65.0	972.0	965.7
67.5	759.8	753.8
70.0	556.8	550.5
72.5	380.8	372.0
75.0	232.5	224.2
77.5	121.5	110.8
80.0	58.35	56.62
82.5	33.78	34.40
85.0	12.34	9.896
87.5	1.876	2.184
90.0	0	0

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [K=1.0000]
Remarks: