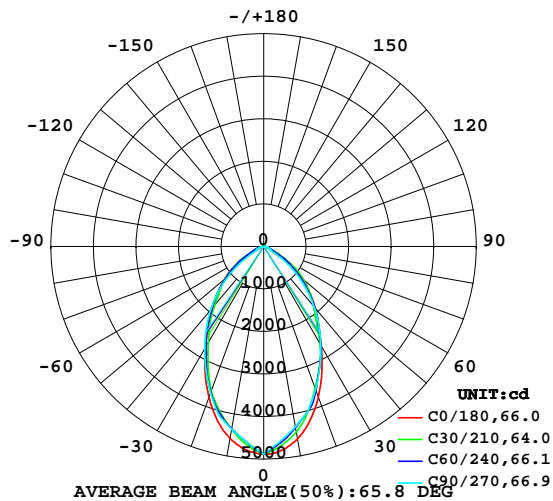


LUMINAIRE PHOTOMETRIC TEST REPORT

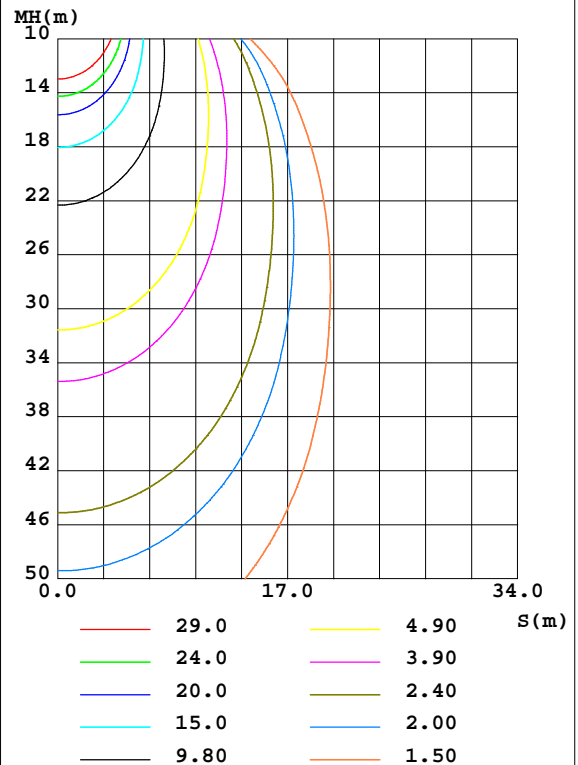
Test:U:120.21V I:0.3492A P:41.896W PF:0.9982 Freq:59.98Hz Lamp Flux:6636.88x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K/60°	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 158.41 lm/W			
MODEL	GHLV-07-U	Imax(cd)	4882	S/MH(C0/180)	0.93
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	0.92
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	6636.9	η UP,DN(C0-180)	0.0,49.2
NOMINAL FLUX(lm)	6636.88	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.8
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:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [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	4592	4361	4306	4307	4578	4349	4361	4396	0- 10	436.7	436.7	6.58,6.58
20	3764	3622	3574	3527	3769	3613	3659	3693	10- 20	1131	1568	23.6,23.6
30	2715	2642	2685	2604	2748	2679	2775	2701	20- 30	1440	3008	45.3,45.3
40	1877	1865	1846	1823	1864	1885	1935	1890	30- 40	1398	4406	66.4,66.4
50	1227	1169	1019	1151	1208	1201	1089	1215	40- 50	1147	5554	83.7,83.7
60	232.2	562.7	202.1	558.3	273.8	602.8	234.7	608.2	50- 60	724.8	6278	94.6,94.6
70	99.77	128.1	108.1	124.8	107.3	148.9	128.3	150.6	60- 70	262.9	6541	98.6,98.6
80	30.14	38.39	0	36.32	34.08	43.36	0	46.07	70- 80	87.87	6629	99.9,99.9
90	0.6400	0	0	0	0.6499	0	0	0	80- 90	7.764	6637	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): 5021.7 lm

%lum = 75.7%

%lamp = 75.7%

Conical surface Flux(120deg): 6278.4 lm

%lum = 94.6%

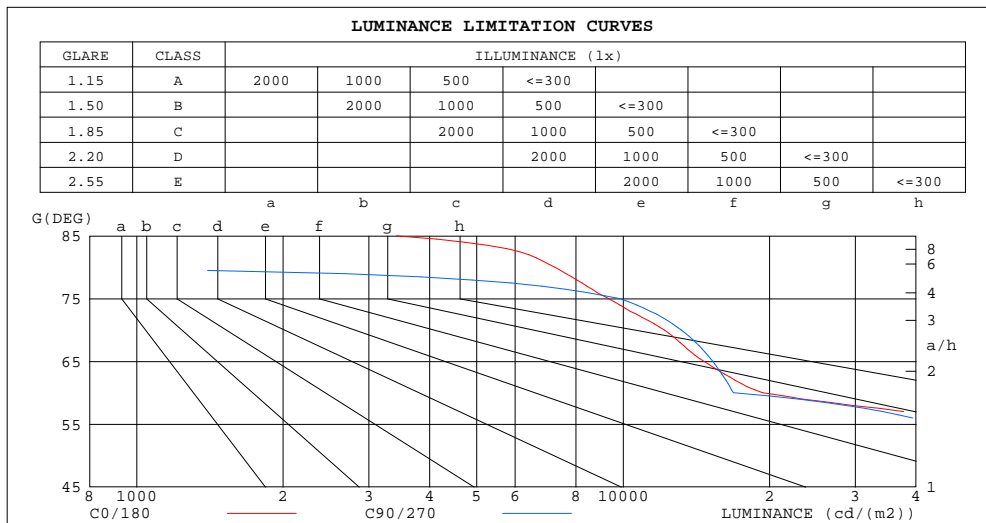
%lamp = 94.6%

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.21V I:0.3492A P:41.896W PF:0.9982 Freq:59.98Hz Lamp Flux:6636.88x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K/60°	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



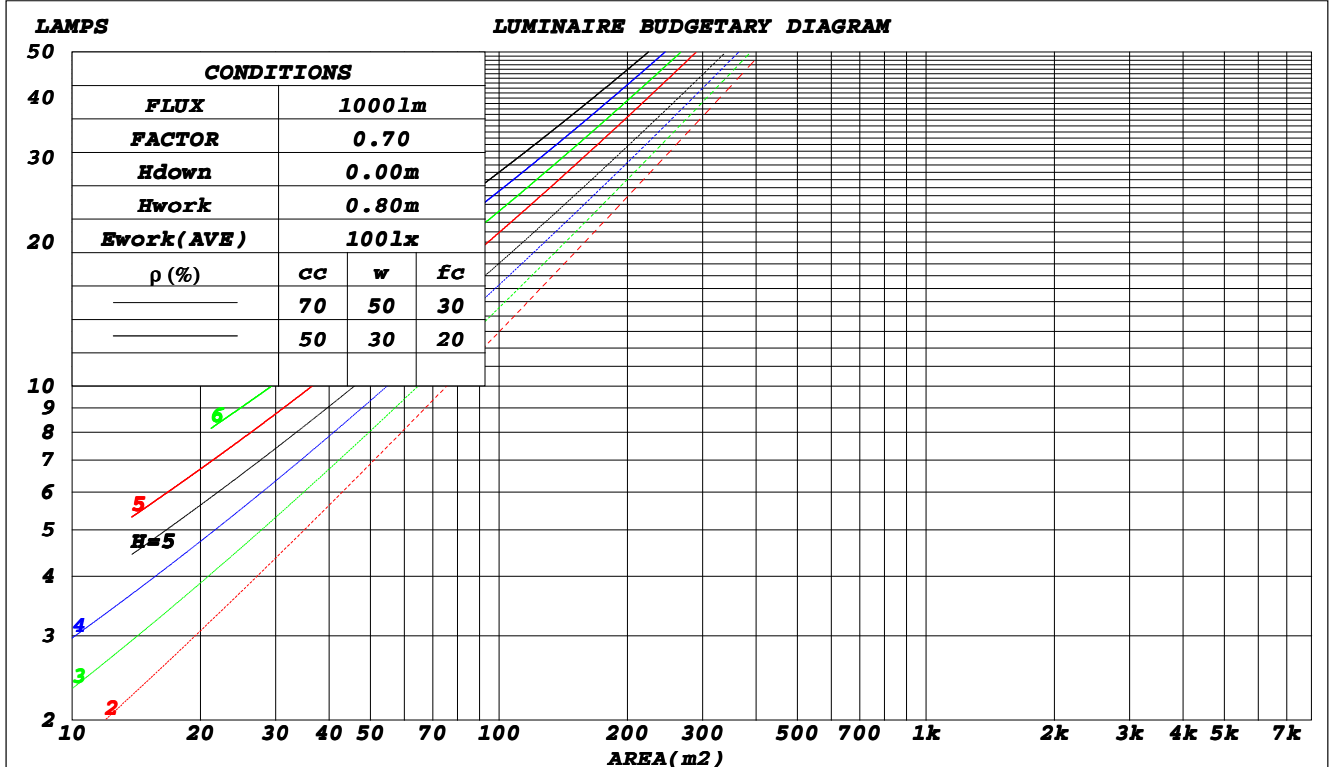
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.21V I:0.3492A P:41.896W PF:0.9982 Freq:59.98Hz Lamp Flux:6636.88x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K/60°	DIM.: 520*90mm	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	1.08	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	.84	.87	.84	.82	.80
3.0	.89	.82	.77	.87	.81	.77	.84	.79	.75	.82	.78	.74	.80	.76	.73	.71
4.0	.81	.74	.68	.80	.73	.68	.77	.71	.67	.75	.70	.66	.73	.69	.65	.64
5.0	.74	.66	.61	.73	.66	.61	.71	.65	.60	.69	.64	.59	.67	.63	.59	.57
6.0	.68	.60	.55	.67	.60	.55	.65	.59	.54	.64	.58	.54	.62	.57	.53	.52
7.0	.62	.55	.50	.62	.55	.50	.60	.54	.49	.59	.53	.49	.58	.53	.49	.47
8.0	.58	.50	.45	.57	.50	.45	.56	.50	.45	.55	.49	.45	.54	.48	.45	.43
9.0	.54	.46	.42	.53	.46	.42	.52	.46	.41	.51	.45	.41	.50	.45	.41	.39
10.0	.50	.43	.38	.50	.43	.38	.49	.42	.38	.48	.42	.38	.47	.42	.38	.36



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.21V I:0.3492A P:41.896W PF:0.9982 Freq:59.98Hz Lamp Flux:6636.88x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K/60°	DIM.: 520*90mm	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	.206	.118	.038	.194	.112	.036	.183	.106	.034		
2.0	.220	.120	.037	.214	.118	.036	.203	.113	.035	.193	.108	.034	.183	.104	.033		
3.0	.210	.112	.033	.205	.110	.033	.195	.106	.032	.186	.102	.031	.178	.098	.030		
4.0	.199	.103	.030	.194	.102	.030	.186	.099	.029	.178	.096	.029	.171	.093	.028		
5.0	.188	.096	.028	.184	.094	.028	.176	.092	.027	.170	.089	.027	.163	.087	.026		
6.0	.178	.089	.025	.174	.088	.025	.167	.086	.025	.161	.084	.025	.155	.082	.024		
7.0	.168	.083	.024	.165	.082	.023	.159	.080	.023	.153	.079	.023	.148	.077	.023		
8.0	.159	.078	.022	.156	.077	.022	.151	.075	.022	.146	.074	.021	.141	.072	.021		
9.0	.151	.073	.020	.148	.072	.020	.143	.071	.020	.139	.070	.020	.135	.068	.020		
10.0	.143	.069	.019	.141	.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	.095	.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	.144	.100	.066	.124	.086	.057	.085	.060	.040	.049	.035	.024	.016	.011	.008	
5.0	.137	.089	.053	.118	.077	.047	.081	.054	.033	.047	.032	.019	.015	.010	.006	
6.0	.130	.080	.044	.112	.069	.039	.077	.049	.027	.045	.029	.016	.014	.009	.005	
7.0	.124	.073	.037	.106	.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:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.21V I:0.3492A P:41.896W PF:0.9982 Freq:59.98Hz Lamp Flux:6636.88x1 lm										
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:40W/5000K/60°					DIM.: 520*90mm			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	19.4	20.7	19.7	20.9	21.0	18.8	20.0	19.1	20.2	20.4
3H	19.4	20.5	19.7	20.7	21.0	18.9	20.0	19.1	20.2	20.4
4H	19.4	20.4	19.6	20.7	20.9	18.8	19.9	19.1	20.1	20.4
6H	19.3	20.3	19.6	20.5	20.8	18.8	19.8	19.1	20.0	20.3
8H	19.3	20.2	19.6	20.5	20.8	18.7	19.7	19.0	19.9	20.2
12H	19.2	20.1	19.5	20.4	20.7	18.7	19.6	19.0	19.9	20.2
4H 2H	19.6	20.6	19.8	20.9	21.1	19.0	20.1	19.3	20.3	20.5
3H	19.6	20.5	19.9	20.8	21.1	19.2	20.1	19.5	20.4	20.6
4H	19.6	20.4	19.9	20.7	21.0	19.2	20.0	19.5	20.3	20.6
6H	19.6	20.3	19.9	20.6	21.0	19.1	19.8	19.5	20.2	20.5
8H	19.5	20.2	19.9	20.6	20.9	19.1	19.7	19.5	20.1	20.5
12H	19.5	20.1	19.9	20.5	20.9	19.0	19.6	19.4	20.0	20.4
8H 4H	19.5	20.2	19.9	20.6	20.9	19.1	19.8	19.5	20.2	20.5
6H	19.5	20.1	20.0	20.5	20.9	19.1	19.6	19.5	20.0	20.4
8H	19.5	20.0	20.0	20.4	20.9	19.0	19.5	19.5	19.9	20.4
12H	19.5	19.9	20.0	20.4	20.8	19.0	19.4	19.4	19.8	20.3
12H 4H	19.5	20.1	19.9	20.5	20.9	19.1	19.7	19.5	20.1	20.5
6H	19.5	20.0	19.9	20.4	20.8	19.0	19.5	19.5	19.9	20.4
8H	19.5	19.9	20.0	20.3	20.8	19.0	19.4	19.5	19.8	20.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.9 / - 1.5					+ 1.0 / - 1.6				
1.5H	+ 0.3 / - 0.7					+ 0.4 / - 0.9				
2.0H	+ 1.7 / - 5.8					+ 2.3 / - 5.8				

CIE Pub.117, 6637 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 6.6$)
Area: 0.024 m²

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.21V I:0.3492A P:41.896W PF:0.9982 Freq:59.98Hz Lamp Flux:6636.88x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K/60°	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

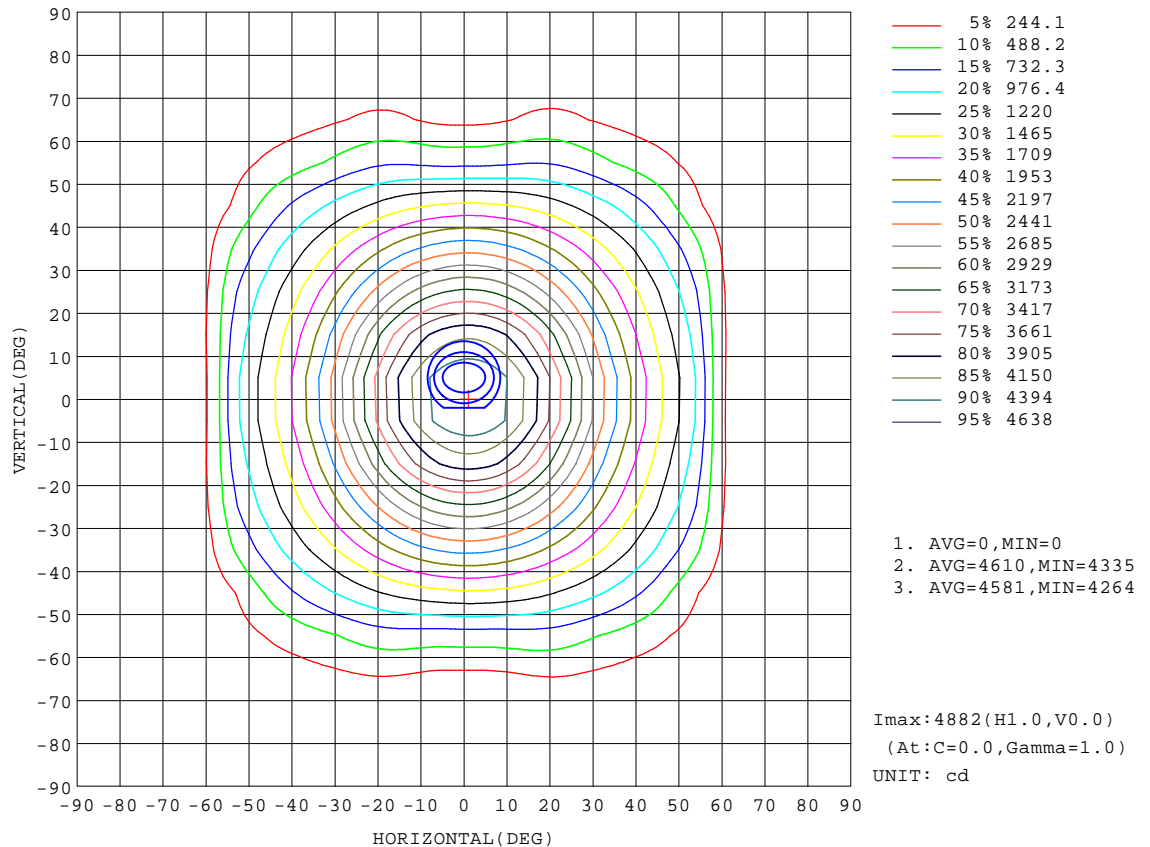
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	70	61	55	69	60	55	68	60	55	49
0.80	80	71	65	79	70	65	77	70	65	59
1.00	87	79	74	86	79	73	85	79	73	67
1.25	94	86	81	92	85	80	90	84	79	74
1.50	98	91	86	96	90	85	94	88	84	78
2.00	103	97	92	101	96	91	98	93	90	83
2.50	105	100	96	104	99	95	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	102	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:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.21V I:0.3492A P:41.896W PF:0.9982 Freq:59.98Hz Lamp Flux:6636.88x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K/60°	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



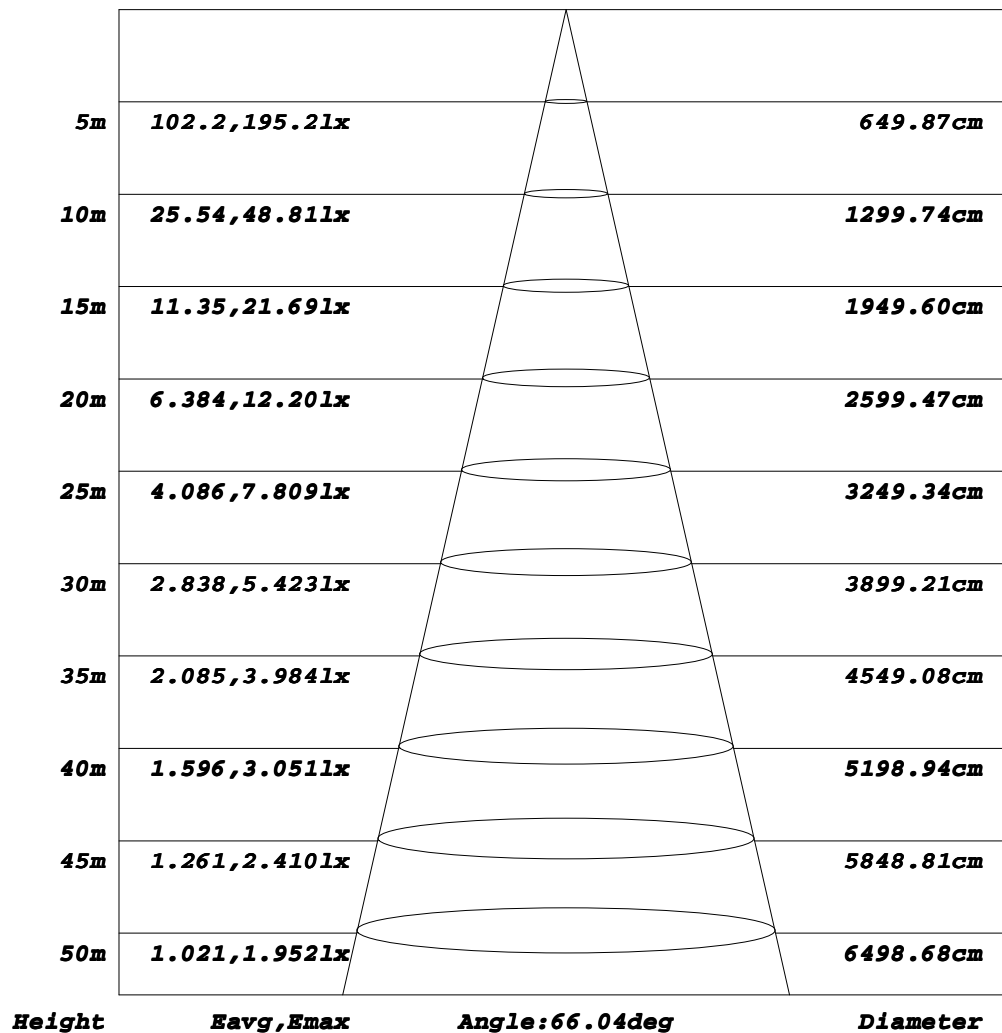
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.21V I:0.3492A P:41.896W PF:0.9982 Freq:59.98Hz Lamp Flux:6636.88x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K/60°	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:3515 lm



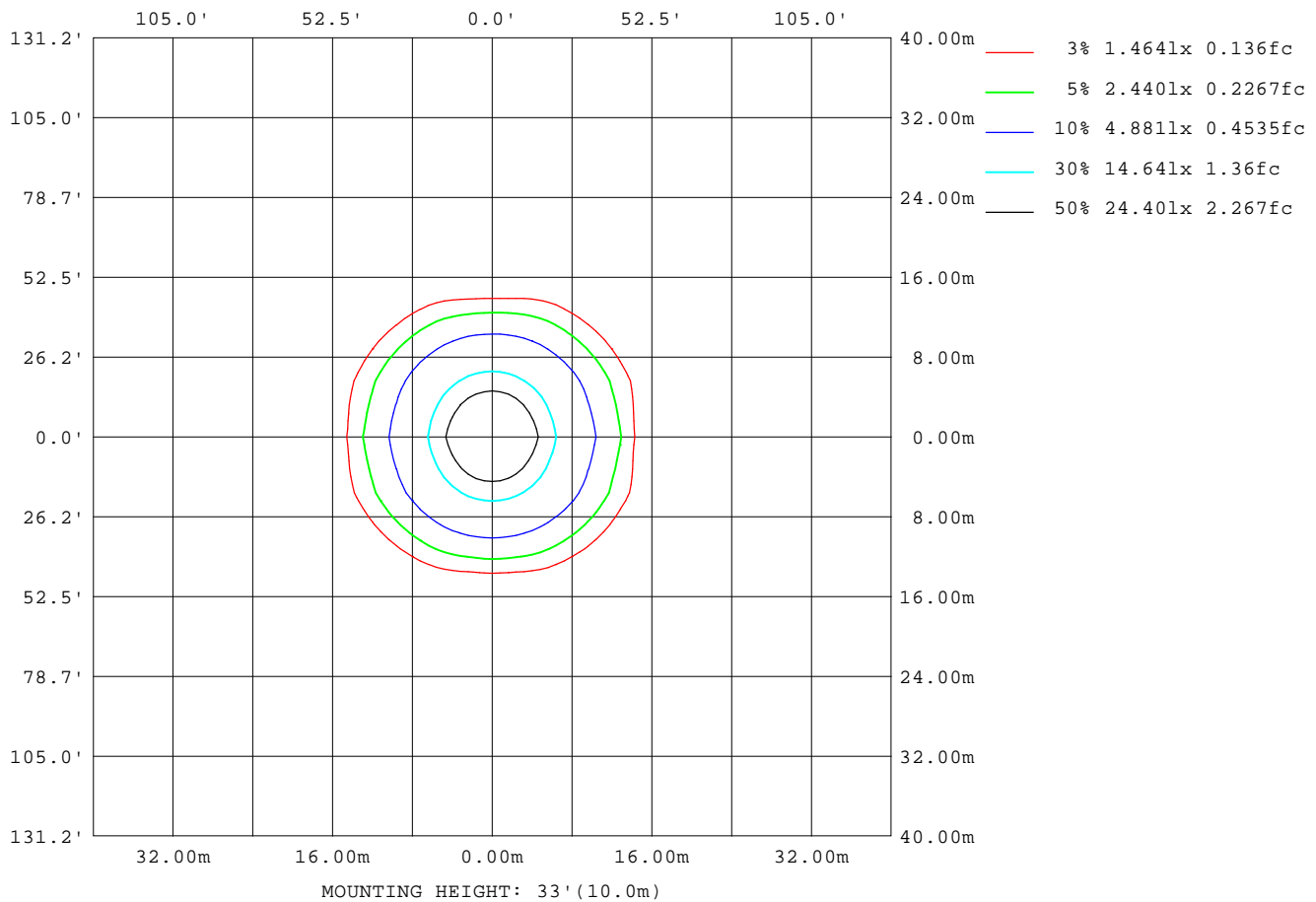
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessy
Test Date: 2024-12-03

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65%
Test Distance: 6.998m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.21V I:0.3492A P:41.896W PF:0.9982 Freq:59.98Hz Lamp Flux:6636.88x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K/60°	DIM.: 520*90mm	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:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.21V I:0.3492A P:41.896W PF:0.9982 Freq:59.98Hz Lamp Flux:6636.88x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K/60°	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

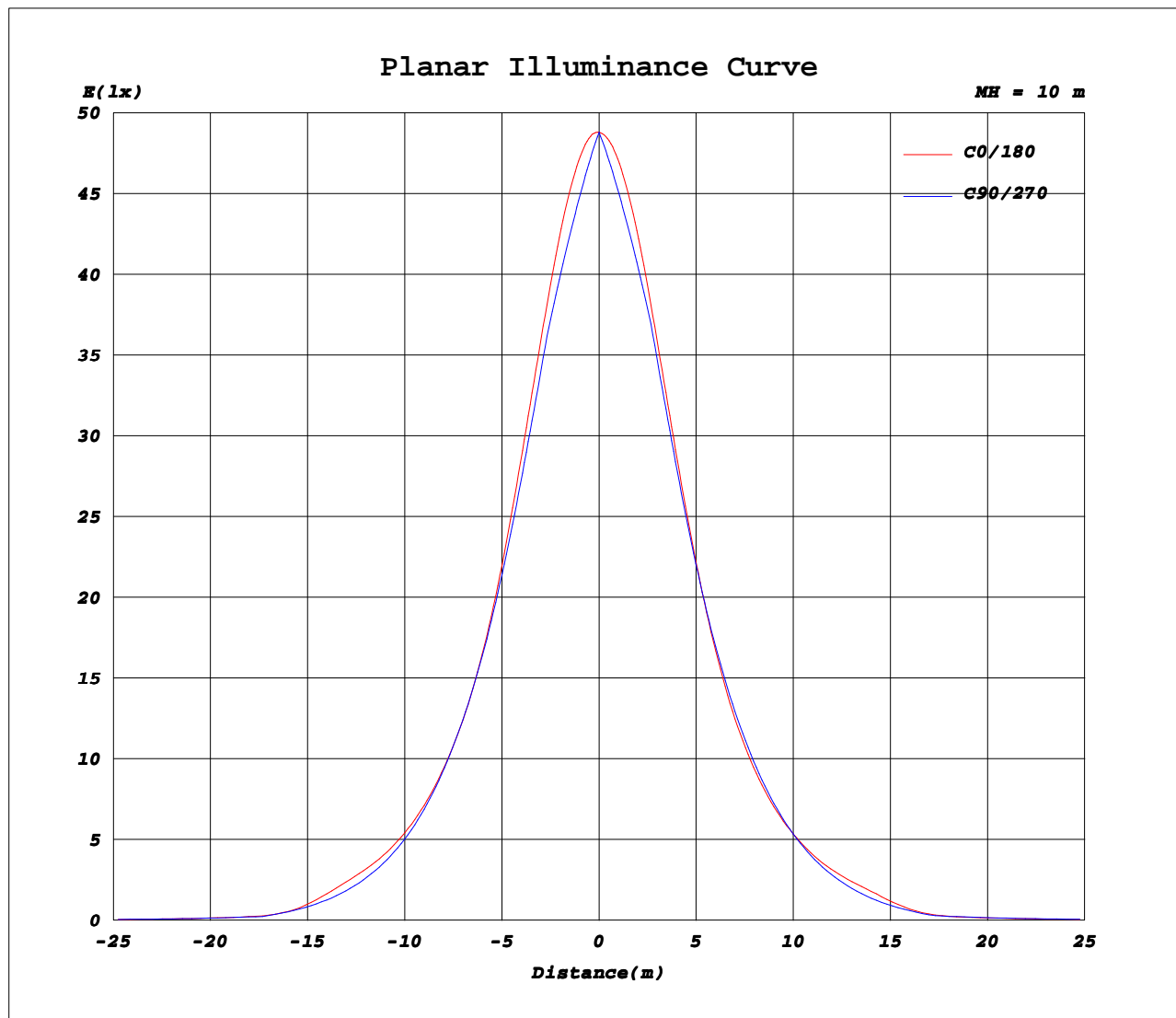
AvgL	cd/m2
L_0~180(65)av	15252
L_0~180(75)av	9770
L_0~180(85)av	4783
L_90~270(65)av	16569
L_90~270(75)av	10962
L_90~270(85)av	0
L_45(65)av	30087
L_45(75)av	14423
L_45(85)av	0

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:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

Planar Illuminance Curve



$H(\beta)$ Range: -90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessy
Test Date: 2024-12-03

$V(B)$ Range: -75 - 75DEG
 $V(B)$ Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65%
Test Distance: 6.998m [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	4881	4881	4881	4881	4881	4881	4881	4881	4881	4881
2.5	4869	4857	4845	4834	4823	4813	4803	4794	4785	4777
5.0	4814	4791	4770	4751	4732	4715	4699	4685	4672	4659
7.5	4720	4689	4661	4636	4613	4593	4574	4558	4543	4526
10.0	4592	4555	4523	4494	4470	4450	4431	4403	4380	4361
12.5	4423	4382	4349	4323	4301	4276	4241	4212	4190	4173
15.0	4230	4187	4153	4128	4103	4057	4022	3995	3976	3981
17.5	4009	3966	3936	3916	3867	3820	3784	3766	3782	3802
20.0	3764	3724	3699	3673	3611	3563	3539	3563	3591	3622
22.5	3507	3471	3452	3406	3343	3295	3321	3357	3398	3377
25.0	3241	3212	3202	3136	3072	3066	3105	3153	3126	3106
27.5	2972	2949	2942	2862	2804	2845	2895	2881	2857	2846
30.0	2715	2699	2679	2600	2581	2630	2647	2620	2609	2642
32.5	2478	2467	2433	2357	2376	2429	2395	2374	2417	2455
35.0	2262	2254	2208	2143	2187	2196	2164	2193	2242	2256
37.5	2064	2060	2003	1967	2016	1983	1978	2029	2054	2052
40.0	1877	1878	1811	1803	1828	1788	1826	1866	1864	1865
42.5	1703	1708	1630	1649	1642	1631	1687	1691	1690	1698
45.0	1536	1545	1455	1505	1468	1497	1527	1525	1532	1535
47.5	1377	1377	1303	1342	1307	1374	1369	1371	1380	1348
50.0	1227	1219	1165	1175	1178	1222	1221	1226	1199	1169
52.5	1052	1055	1026	1013	1057	1067	1076	1058	1022	1026
55.0	775.7	820.3	859.9	840.6	921.0	915.6	923.2	881.6	885.1	886.3
57.5	435.0	507.0	629.7	666.9	749.7	768.6	734.3	733.3	751.2	718.9
60.0	232.2	272.1	365.4	491.0	556.4	602.0	561.3	598.2	589.0	562.7
62.5	183.6	183.5	212.2	311.5	400.2	409.9	423.4	446.8	445.2	430.5
65.0	148.7	147.5	153.4	185.5	266.2	270.2	299.1	320.7	331.9	296.3
67.5	122.3	122.9	128.7	139.5	157.8	183.1	203.8	237.9	218.5	162.1
70.0	99.77	103.5	107.9	115.1	122.0	131.8	157.5	158.3	123.9	128.1
72.5	76.93	83.69	81.57	85.72	96.74	106.1	114.0	104.7	104.8	106.4
75.0	57.94	59.57	63.63	70.35	74.43	82.40	84.74	86.44	83.83	82.77
77.5	42.79	43.80	46.32	49.38	57.79	62.08	66.55	64.83	62.90	62.01
80.0	30.14	33.34	35.44	37.96	41.43	45.44	45.70	45.71	44.21	38.39
82.5	19.13	22.17	23.33	25.39	27.75	29.18	28.66	21.30	13.25	5.204
85.0	7.147	13.73	15.04	15.96	15.79	7.949	0	0	0	0
87.5	1.023	5.488	7.624	0	0	0	0	0	0	0
90.0	0.6400	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	4881	4881	4881	4881	4881	4881	4881	4881	4881	4881
2.5	4769	4762	4756	4751	4746	4741	4738	4735	4734	4733
5.0	4648	4637	4627	4619	4610	4603	4597	4591	4587	4584
7.5	4510	4497	4485	4475	4467	4460	4454	4450	4447	4443
10.0	4345	4333	4325	4318	4313	4310	4308	4307	4306	4303
12.5	4163	4160	4162	4164	4165	4166	4165	4164	4160	4155
15.0	3992	4002	4011	4018	4023	4024	4024	4020	4014	4005
17.5	3824	3843	3848	3833	3821	3810	3804	3798	3794	3789
20.0	3625	3608	3595	3586	3580	3576	3573	3573	3574	3572
22.5	3358	3345	3338	3344	3350	3354	3354	3353	3351	3347
25.0	3093	3103	3118	3130	3137	3139	3138	3134	3128	3121
27.5	2873	2895	2911	2919	2916	2912	2910	2908	2906	2903
30.0	2674	2693	2687	2682	2680	2678	2681	2682	2685	2686
32.5	2466	2462	2456	2449	2458	2467	2472	2475	2475	2472
35.0	2248	2240	2249	2257	2264	2268	2270	2269	2265	2258
37.5	2048	2054	2064	2070	2065	2061	2059	2057	2055	2051
40.0	1873	1878	1873	1863	1854	1848	1845	1845	1846	1844
42.5	1704	1683	1667	1655	1651	1646	1641	1638	1636	1631
45.0	1509	1486	1476	1472	1463	1451	1440	1431	1425	1417
47.5	1319	1314	1307	1296	1278	1257	1238	1226	1222	1217
50.0	1166	1155	1138	1117	1093	1064	1037	1022	1019	1017
52.5	1021	987.9	964.0	940.5	912.1	874.6	839.2	819.1	814.1	814.1
55.0	851.2	817.5	798.2	778.2	740.3	689.7	643.0	616.9	609.7	611.0
57.5	685.6	664.3	645.5	620.6	571.7	508.9	449.7	414.5	405.9	410.0
60.0	542.5	517.5	488.1	457.5	404.5	330.9	257.9	212.3	202.1	209.3
62.5	399.4	359.1	325.0	300.8	287.6	246.8	203.9	181.2	178.6	179.2
65.0	248.7	217.4	241.0	258.6	246.1	209.7	173.8	156.6	155.0	155.9
67.5	166.3	186.2	205.2	217.5	205.3	176.3	147.7	133.2	131.6	132.2
70.0	140.8	154.3	165.5	173.0	165.4	143.8	121.9	109.9	108.1	108.4
72.5	111.1	119.4	125.8	129.8	123.8	107.7	93.01	85.77	84.62	84.80
75.0	83.60	88.84	91.36	89.37	81.20	70.02	63.38	61.58	61.11	61.14
77.5	60.59	61.05	57.02	50.82	43.55	36.67	32.66	31.09	30.55	30.87
80.0	31.00	25.42	19.66	13.69	8.362	4.333	1.837	0.4569	0	0.4537
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:2024-12-03

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.998m [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	4881	4881	4881	4881	4881	4881	4881	4881	4881	4881
2.5	4733	4734	4736	4739	4742	4747	4753	4760	4768	4776
5.0	4583	4583	4585	4589	4594	4601	4609	4619	4631	4646
7.5	4442	4442	4442	4444	4446	4449	4453	4459	4469	4487
10.0	4302	4302	4302	4302	4302	4302	4303	4307	4311	4318
12.5	4151	4149	4146	4144	4145	4149	4151	4148	4147	4148
15.0	3998	3988	3978	3969	3964	3962	3963	3969	3976	3968
17.5	3787	3782	3778	3775	3772	3764	3757	3755	3760	3773
20.0	3572	3570	3566	3562	3556	3547	3537	3527	3525	3532
22.5	3345	3342	3341	3344	3344	3331	3314	3298	3285	3283
25.0	3114	3107	3103	3100	3099	3102	3100	3078	3050	3025
27.5	2898	2889	2877	2859	2850	2848	2853	2860	2830	2796
30.0	2686	2681	2671	2655	2632	2607	2600	2604	2614	2582
32.5	2469	2466	2462	2457	2437	2412	2379	2360	2368	2381
35.0	2251	2245	2240	2234	2232	2229	2198	2160	2136	2148
37.5	2045	2038	2028	2015	2014	2015	2020	1993	1950	1932
40.0	1842	1841	1836	1828	1814	1804	1811	1823	1798	1748
42.5	1631	1637	1644	1649	1641	1628	1610	1624	1647	1610
45.0	1420	1429	1441	1454	1466	1467	1452	1437	1457	1487
47.5	1221	1234	1248	1261	1279	1293	1303	1291	1278	1315
50.0	1027	1051	1076	1095	1105	1115	1132	1151	1141	1142
52.5	831.2	866.7	905.0	935.7	951.0	957.8	966.5	986.8	1011	999.0
55.0	636.0	683.3	731.5	768.2	793.4	810.1	821.6	830.7	850.7	869.7
57.5	440.4	500.4	560.6	600.6	627.1	649.6	679.7	694.5	694.7	714.7
60.0	245.3	319.0	393.6	443.3	468.8	488.2	522.7	558.3	569.5	546.7
62.5	197.2	239.7	279.4	294.7	320.6	344.3	374.8	410.5	446.3	433.7
65.0	174.9	211.4	242.3	250.6	237.9	216.6	242.2	278.6	314.8	332.6
67.5	146.9	177.3	202.7	194.5	178.7	164.5	161.2	205.9	224.2	224.2
70.0	117.5	140.2	161.8	168.0	158.7	145.1	131.9	124.8	123.5	148.8
72.5	90.30	105.0	121.4	128.9	126.2	117.4	107.2	101.3	100.8	103.8
75.0	63.03	70.02	80.89	88.76	90.67	88.06	83.93	81.69	81.08	81.66
77.5	32.59	36.99	43.79	50.35	55.66	58.11	59.05	60.59	62.17	63.71
80.0	1.833	4.372	8.404	13.56	19.17	24.12	29.71	36.32	41.67	44.19
82.5	0	0	0	0	0	0	0	4.916	12.40	19.75
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	4881	4881	4881	4881	4881	4881	4881	4881	4881	4881
2.5	4785	4795	4806	4818	4830	4842	4855	4843	4832	4821
5.0	4662	4680	4700	4722	4746	4772	4799	4774	4751	4730
7.5	4508	4532	4561	4592	4626	4664	4705	4668	4634	4603
10.0	4327	4355	4389	4428	4473	4523	4578	4529	4484	4444
12.5	4152	4159	4189	4235	4288	4350	4418	4356	4302	4255
15.0	3964	3963	3968	4011	4073	4145	4228	4153	4089	4035
17.5	3764	3753	3749	3766	3833	3914	4007	3922	3851	3792
20.0	3550	3539	3523	3517	3576	3665	3769	3675	3596	3548
22.5	3293	3315	3290	3277	3311	3406	3518	3416	3332	3308
25.0	3033	3055	3059	3037	3044	3143	3263	3154	3066	3070
27.5	2774	2793	2829	2799	2783	2878	3002	2889	2805	2834
30.0	2543	2539	2571	2570	2547	2622	2748	2633	2569	2605
32.5	2337	2295	2325	2353	2322	2377	2503	2389	2346	2389
35.0	2146	2098	2094	2140	2112	2147	2270	2159	2136	2177
37.5	1947	1918	1878	1924	1920	1939	2060	1949	1943	1959
40.0	1747	1755	1706	1728	1746	1747	1864	1756	1766	1760
42.5	1566	1585	1558	1551	1586	1570	1684	1576	1603	1576
45.0	1434	1420	1423	1385	1438	1404	1516	1409	1449	1403
47.5	1322	1264	1287	1242	1280	1255	1356	1259	1289	1253
50.0	1193	1148	1134	1114	1126	1116	1208	1120	1133	1122
52.5	1018	1043	982.9	990.0	974.9	976.1	1063	979.4	981.6	998.1
55.0	851.3	903.7	851.8	863.6	794.8	779.9	871.1	784.7	803.8	872.0
57.5	717.4	719.5	740.6	674.4	537.9	507.3	543.2	511.6	547.2	687.1
60.0	570.5	554.5	598.3	436.4	346.8	297.1	273.8	299.3	352.7	451.3
62.5	391.5	419.7	381.8	281.0	227.9	202.1	198.6	203.7	232.4	292.0
65.0	277.3	272.9	233.7	202.6	167.1	156.8	160.7	157.6	170.8	212.1
67.5	214.6	161.9	170.6	143.6	127.1	124.9	130.5	125.5	128.9	149.2
70.0	146.5	133.9	120.0	106.5	100.4	99.86	107.3	100.4	102.0	110.0
72.5	108.0	102.1	94.72	90.24	84.69	76.31	84.42	76.88	86.61	93.68
75.0	83.61	79.89	74.98	66.17	62.05	60.46	63.44	60.86	63.49	69.27
77.5	62.50	61.12	55.02	52.20	46.61	45.78	47.17	46.08	47.84	54.82

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-12-03

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.998m [K=1.0000]

Remarks:

Photometric Data Table [cd]

80.0	45.88	43.36	40.09	34.53	32.25	31.21	34.08	31.43	33.31	36.23
82.5	26.31	28.50	27.58	24.35	22.84	21.26	23.21	21.36	23.62	25.68
85.0	0	7.259	14.28	16.05	14.25	11.90	12.86	10.79	14.67	17.13
87.5	0	0	0	0	6.739	5.459	2.972	3.491	6.313	0
90.0	0	0	0	0	0	0	0.6499	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	4881	4881	4881	4881	4881	4881	4881	4881	4881	4881
2.5	4811	4801	4792	4784	4777	4770	4764	4759	4755	4752
5.0	4710	4692	4676	4662	4650	4639	4631	4624	4618	4614
7.5	4576	4551	4530	4512	4498	4490	4487	4484	4483	4482
10.0	4410	4381	4357	4352	4349	4349	4349	4350	4352	4353
12.5	4215	4192	4190	4192	4196	4201	4208	4210	4209	4210
15.0	3999	4001	4010	4021	4035	4034	4033	4036	4042	4050
17.5	3784	3797	3817	3834	3828	3831	3839	3852	3862	3863
20.0	3563	3587	3609	3600	3602	3613	3626	3636	3644	3648
22.5	3333	3371	3360	3359	3368	3383	3401	3418	3430	3429
25.0	3104	3110	3099	3104	3135	3160	3184	3186	3183	3182
27.5	2876	2852	2844	2870	2907	2942	2932	2929	2931	2939
30.0	2618	2597	2612	2653	2686	2679	2678	2684	2711	2733
32.5	2372	2355	2399	2449	2437	2430	2452	2487	2514	2533
35.0	2142	2153	2204	2209	2201	2228	2267	2301	2306	2311
37.5	1926	1968	2000	1987	2010	2059	2088	2084	2086	2091
40.0	1747	1799	1791	1797	1854	1885	1876	1870	1885	1903
42.5	1590	1619	1600	1651	1697	1682	1671	1692	1710	1724
45.0	1446	1443	1459	1521	1502	1490	1512	1529	1532	1527
47.5	1303	1279	1339	1343	1317	1342	1362	1351	1340	1330
50.0	1143	1159	1205	1168	1180	1201	1189	1173	1166	1166
52.5	988.4	1051	1035	1027	1051	1036	1020	1018	1017	1011
55.0	859.2	910.5	872.8	903.0	895.3	880.6	875.5	873.3	862.4	846.5
57.5	751.0	735.0	744.8	753.3	743.0	742.1	732.4	712.4	698.1	681.8
60.0	613.6	579.0	605.8	592.9	613.2	602.8	571.7	548.7	543.3	529.3
62.5	401.7	450.1	434.0	475.4	484.3	451.0	420.1	405.1	398.8	384.9
65.0	248.1	300.5	317.3	368.2	346.3	314.3	285.3	275.8	307.9	326.4
67.5	181.5	181.2	246.7	252.1	231.7	192.4	201.7	225.2	250.1	269.0
70.0	126.8	147.9	166.6	168.6	143.3	148.9	161.4	181.1	203.1	216.9
72.5	100.3	110.9	120.4	117.3	116.5	120.0	131.0	146.2	160.5	165.2
75.0	79.75	86.70	92.49	92.15	93.82	96.89	102.4	109.3	113.9	112.0
77.5	58.96	66.90	69.55	72.54	72.46	72.05	71.51	71.85	68.63	62.50
80.0	43.22	47.78	51.97	51.20	49.11	43.36	35.77	29.81	23.63	16.83
82.5	29.97	31.84	30.53	23.31	14.62	5.866	0	0	0	0
85.0	15.72	8.179	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	4881	4881	4881	4881	4881	4881	4881	4881	4881	4881
2.5	4749	4747	4747	4747	4748	4749	4752	4755	4759	4763
5.0	4612	4610	4611	4612	4616	4619	4624	4630	4636	4643
7.5	4482	4483	4483	4485	4488	4491	4494	4499	4504	4511
10.0	4355	4356	4358	4359	4361	4361	4361	4361	4363	4366
12.5	4213	4217	4221	4225	4230	4232	4231	4230	4227	4223
15.0	4060	4070	4080	4090	4098	4103	4103	4101	4097	4088
17.5	3866	3868	3872	3874	3879	3881	3885	3890	3899	3909
20.0	3652	3655	3657	3658	3659	3656	3655	3656	3657	3662
22.5	3425	3426	3428	3433	3437	3438	3437	3435	3429	3420
25.0	3184	3189	3197	3206	3215	3220	3222	3222	3216	3206
27.5	2956	2969	2980	2989	2995	2995	2996	2995	2995	2994
30.0	2748	2759	2768	2773	2775	2770	2767	2761	2757	2754
32.5	2537	2544	2551	2559	2564	2563	2559	2550	2535	2516
35.0	2316	2324	2334	2344	2354	2357	2357	2352	2341	2325
37.5	2106	2119	2129	2138	2145	2146	2145	2145	2144	2140
40.0	1916	1924	1929	1933	1935	1933	1931	1932	1933	1933
42.5	1724	1721	1719	1721	1725	1726	1727	1731	1730	1728
45.0	1520	1512	1508	1508	1515	1520	1526	1538	1546	1548
47.5	1326	1316	1305	1299	1302	1308	1321	1344	1363	1377
50.0	1155	1130	1105	1090	1089	1096	1117	1150	1179	1201
52.5	985.6	945.7	904.2	878.2	874.9	884.8	915.5	960.9	1001	1027
55.0	814.2	762.5	705.3	667.1	661.0	674.3	715.1	775.9	831.4	867.0
57.5	645.6	578.9	503.7	455.9	447.8	467.0	521.6	596.7	665.8	712.0
60.0	481.3	396.4	302.3	244.9	234.7	260.3	330.6	421.6	501.8	549.2
62.5	364.6	311.6	249.9	212.6	207.9	222.4	267.8	330.0	381.0	391.5
65.0	315.9	274.8	223.2	187.3	181.1	190.7	226.5	279.7	325.5	336.2
67.5	263.7	230.1	187.2	158.9	154.7	163.5	192.5	234.2	270.6	282.0
70.0	209.6	181.3	148.8	130.2	128.3	136.2	159.0	190.0	216.2	223.2

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-12-03

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.998m [K=1.0000]

Remarks:

Photometric Data Table [cd]

72.5	156.1	135.1	114.1	102.9	101.7	106.3	120.1	141.0	160.3	166.3
75.0	102.4	89.06	79.38	75.56	75.08	76.03	79.87	89.81	103.6	113.3
77.5	54.84	46.86	41.04	38.18	37.54	38.38	41.04	46.71	55.05	63.69
80.0	10.52	5.537	2.309	0.5611	0	0.5641	2.309	5.519	10.57	17.15
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	4881	4881	4881	4881	4881	4881	4881	4881	4881	4881
2.5	4768	4773	4779	4786	4794	4802	4810	4819	4828	4838
5.0	4650	4659	4668	4678	4689	4700	4713	4726	4741	4757
7.5	4519	4529	4540	4554	4568	4580	4593	4609	4626	4646
10.0	4370	4375	4384	4396	4412	4432	4456	4471	4487	4507
12.5	4217	4211	4211	4218	4230	4248	4272	4303	4323	4339
15.0	4077	4063	4049	4034	4024	4038	4059	4089	4129	4147
17.5	3923	3915	3890	3864	3839	3816	3827	3856	3897	3939
20.0	3670	3682	3699	3693	3655	3620	3589	3606	3645	3699
22.5	3412	3418	3430	3448	3470	3421	3376	3341	3379	3433
25.0	3191	3173	3160	3174	3195	3223	3165	3114	3110	3164
27.5	2983	2961	2937	2909	2920	2944	2957	2896	2845	2892
30.0	2753	2754	2734	2701	2664	2675	2706	2686	2622	2628
32.5	2515	2518	2521	2507	2465	2422	2446	2481	2412	2382
35.0	2307	2289	2293	2297	2282	2232	2202	2235	2221	2165
37.5	2125	2106	2085	2083	2086	2061	2009	2014	2046	1988
40.0	1936	1934	1913	1890	1889	1893	1853	1814	1855	1824
42.5	1734	1741	1749	1729	1713	1714	1712	1656	1666	1670
45.0	1547	1547	1557	1572	1560	1547	1551	1520	1489	1527
47.5	1383	1380	1372	1390	1413	1398	1392	1394	1328	1365
50.0	1219	1228	1225	1215	1236	1257	1241	1241	1201	1198
52.5	1045	1061	1086	1077	1064	1092	1099	1088	1079	1033
55.0	879.2	887.4	911.3	940.7	931.0	917.1	951.9	937.4	938.3	859.9
57.5	727.3	732.6	740.1	769.0	799.5	773.8	769.8	791.6	765.8	685.8
60.0	568.9	584.5	594.6	608.2	631.6	644.3	598.6	627.0	574.4	510.8
62.5	402.8	420.8	447.6	472.0	481.9	488.7	464.5	433.5	420.3	325.6
65.0	310.2	272.7	291.0	331.6	363.0	354.4	333.6	292.5	281.1	192.2
67.5	263.6	232.9	202.7	189.2	242.9	264.4	226.9	199.7	164.9	142.6
70.0	211.3	192.4	171.8	150.6	141.5	176.2	174.0	139.9	126.5	117.4
72.5	159.1	147.8	135.5	125.1	120.0	116.0	123.9	111.9	100.1	87.51
75.0	114.7	109.5	101.7	97.01	96.23	96.36	91.10	86.70	77.02	72.41
77.5	70.93	75.24	73.93	73.36	72.52	72.61	72.25	65.59	59.81	50.64
80.0	24.44	31.37	37.87	46.07	52.08	52.17	50.35	48.56	43.04	38.85
82.5	0	0	0	6.237	15.63	24.79	32.98	32.02	29.27	26.07
85.0	0	0	0	0	0	0	0	8.907	17.30	16.66
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	4881	4881								
2.5	4848	4858								
5.0	4775	4794								
7.5	4668	4692								
10.0	4531	4560								
12.5	4360	4388								
15.0	4166	4194								
17.5	3951	3974								
20.0	3716	3733								
22.5	3471	3480								
25.0	3222	3222								
27.5	2962	2959								
30.0	2697	2708								
32.5	2449	2475								
35.0	2222	2261								
37.5	2016	2066								
40.0	1824	1885								
42.5	1644	1714								
45.0	1470	1552								
47.5	1321	1386								
50.0	1183	1228								
52.5	1044	1064								
55.0	879.5	830.2								
57.5	650.3	515.0								
60.0	377.4	276.1								
62.5	217.3	185.0								

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-12-03

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.998m [K=1.0000]

Remarks:

Photometric Data Table [cd]

65.0	155.3	148.0
67.5	129.8	123.2
70.0	108.7	103.6
72.5	82.67	83.90
75.0	64.79	60.19
77.5	47.17	44.33
80.0	36.02	33.79
82.5	23.58	22.47
85.0	14.93	12.89
87.5	7.357	3.497
90.0	0	0

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks: