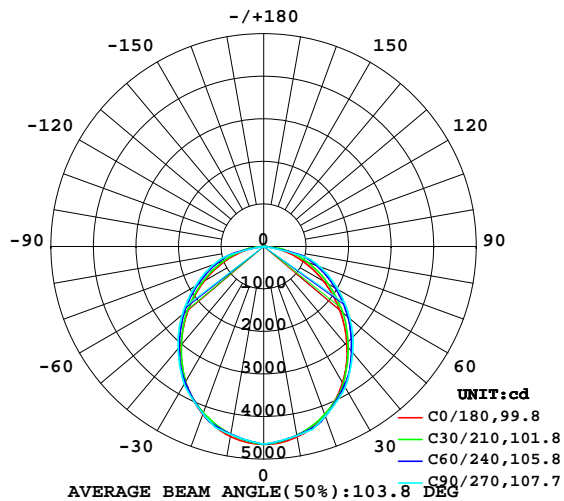


LUMINAIRE PHOTOMETRIC TEST REPORT

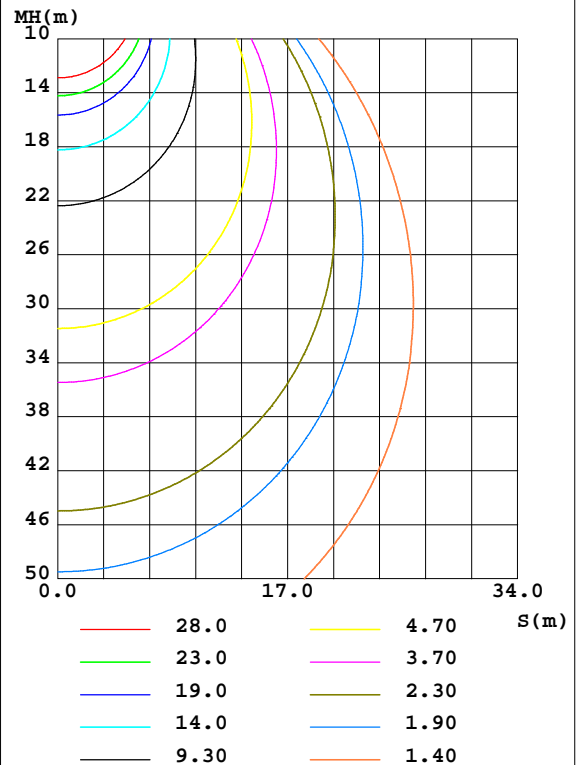
Test:U:120.16V I:0.6890A P:82.596W PF:0.9976 Freq:59.98Hz Lamp Flux:12037.5x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.74 lm/W			
MODEL	GHLV-14-U	Imax(cd)	4652	S/MH(C0/180)	1.18
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	1.20
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	12038	η UP,DN(C0-180)	0.0,50.8
NOMINAL FLUX(lm)	12037.5	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.2
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:2024-12-02

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	4546	4504	4515	4496	4533	4475	4486	4484	0- 10	435.3	435.3	3.62,3.62
20	4222	4251	4242	4238	4198	4196	4183	4213	10- 20	1234	1670	13.9,13.9
30	3705	3743	3834	3725	3673	3662	3742	3686	20- 30	1829	3499	29.1,29.1
40	3048	3176	3254	3152	3021	3072	3131	3098	30- 40	2141	5640	46.9,46.9
50	2333	2505	2646	2480	2308	2387	2500	2413	40- 50	2144	7784	64.7,64.7
60	1620	1853	2011	1824	1600	1722	1847	1748	50- 60	1887	9671	80.3,80.3
70	935.8	1230	1407	1200	919.6	1096	1256	1121	60- 70	1442	11113	92.3,92.3
80	323.9	554.9	0	542.2	314.4	466.7	0	480.3	70- 80	842.3	11955	99.3,99.3
90	9.047	0	0	0	8.843	0	0	0	80- 90	82.23	12038	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): 6729.2 lm

%lum = 55.9%

%lamp = 55.9%

Conical surface Flux(120deg): 9671.1 lm

%lum = 80.3%

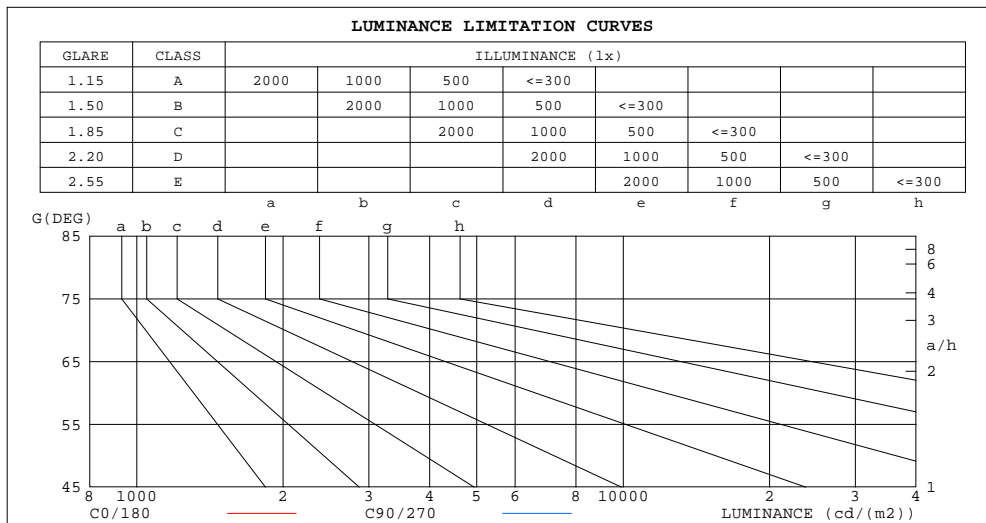
%lamp = 80.3%

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-02

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:120.16V I:0.6890A P:82.596W PF:0.9976 Freq:59.98Hz Lamp Flux:12037.5x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 1450*10mm	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	45510	0
80	77711	0
75	98910	177912
70	114004	171416
65	125426	168494
60	135000	167579
55	143445	169150
50	151241	171521
45	158778	174631

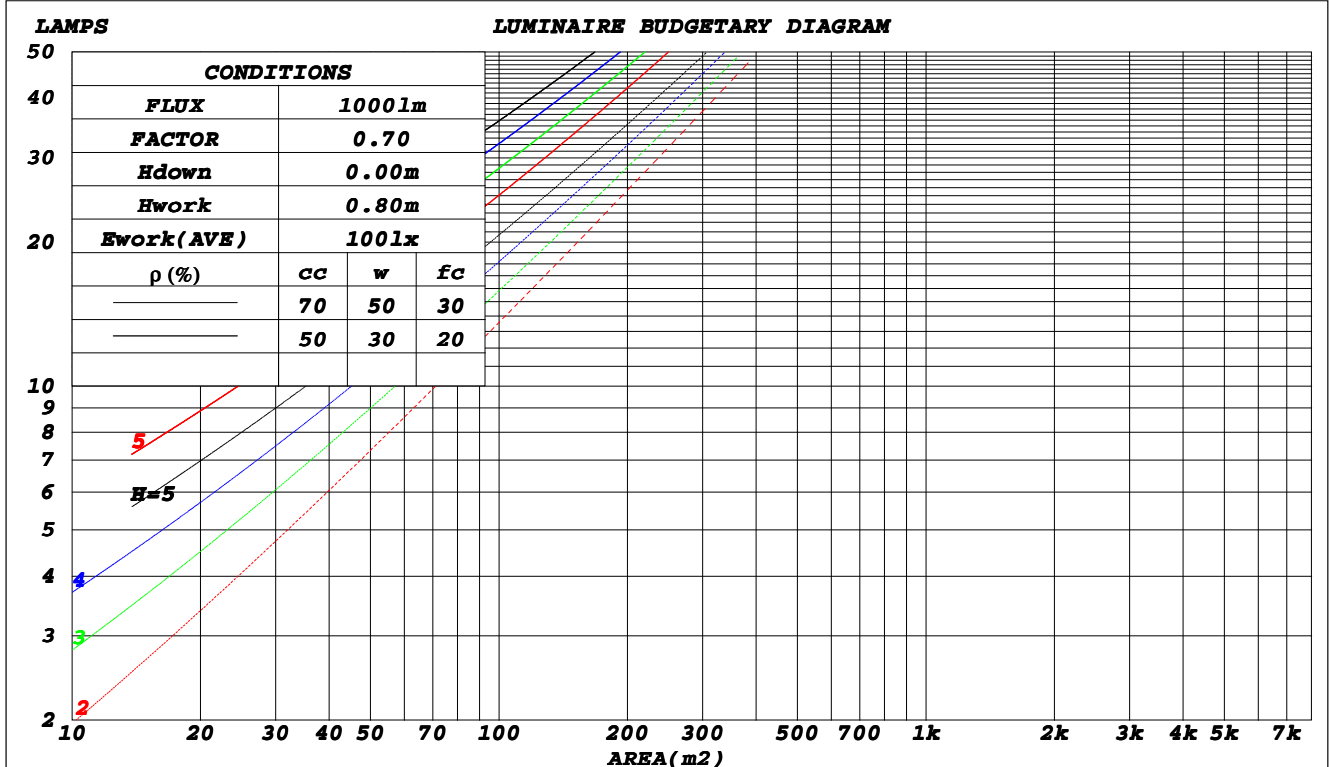
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-02

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:120.16V I:0.6890A P:82.596W PF:0.9976 Freq:59.98Hz Lamp Flux:12037.5x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 1450*10mm	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															



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-02

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:120.16V I:0.6890A P:82.596W PF:0.9976 Freq:59.98Hz Lamp Flux:12037.5x1 lm					
NAME: LED Linear Explosion-proof Light			TYPE:Flood Light		WEIGHT:N/A
SPEC.:80W			DIM.: 1450*10mm		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	.295	.168	.053	.288	.164	.052	.274	.157	.050	.262	.151	.049	.251	.146	.047		
2.0	.282	.155	.047	.276	.152	.047	.265	.147	.046	.254	.142	.045	.244	.138	.044		
3.0	.263	.140	.042	.258	.138	.042	.247	.134	.041	.238	.130	.040	.229	.127	.039		
4.0	.244	.127	.037	.239	.125	.037	.230	.122	.036	.222	.119	.036	.214	.116	.035		
5.0	.226	.115	.033	.222	.114	.033	.214	.111	.033	.206	.109	.032	.199	.106	.032		
6.0	.210	.105	.030	.206	.104	.030	.199	.102	.030	.192	.100	.029	.186	.098	.029		
7.0	.196	.097	.027	.192	.096	.027	.186	.094	.027	.180	.092	.027	.174	.091	.027		
8.0	.183	.089	.025	.180	.089	.025	.174	.087	.025	.169	.086	.025	.164	.084	.024		
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023		
10.0	.162	.078	.022	.159	.077	.021	.155	.076	.021	.150	.075	.021	.146	.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	.179	.156	.136	.153	.134	.117	.105	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.171	.132	.099	.146	.114	.086	.100	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.163	.114	.075	.140	.099	.065	.096	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.156	.101	.059	.133	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.148	.090	.048	.127	.078	.042	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.141	.082	.040	.121	.071	.035	.084	.050	.024	.049	.029	.015	.016	.010	.005	
7.0	.134	.075	.034	.115	.065	.029	.080	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.128	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.064	.025	.105	.056	.022	.073	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.070	.037	.014	.041	.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:2024-12-02

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:120.16V I:0.6890A P:82.596W PF:0.9976 Freq:59.98Hz Lamp Flux:12037.5x1 lm										
NAME: LED Linear Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:80W					DIM.: 1450*10mm			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	21.3	22.8	21.6	23.0	23.2	22.3	23.8	22.5	24.0	24.2
3H	22.6	24.0	22.9	24.2	24.5	24.1	25.5	24.4	25.7	25.9
4H	23.1	24.4	23.4	24.7	24.9	24.9	26.3	25.3	26.5	26.8
6H	23.4	24.6	23.7	24.9	25.2	25.1	26.3	25.4	26.6	26.9
8H	23.4	24.6	23.8	24.9	25.2	25.0	26.2	25.4	26.5	26.8
12H	23.4	24.6	23.8	24.9	25.2	25.0	26.1	25.3	26.4	26.7
4H 2H	22.1	23.4	22.4	23.7	23.9	22.8	24.1	23.1	24.4	24.6
3H	23.6	24.8	24.0	25.1	25.4	24.9	26.0	25.2	26.3	26.6
4H	24.2	25.3	24.6	25.6	25.9	25.9	26.9	26.3	27.3	27.6
6H	24.6	25.6	25.0	25.9	26.3	26.1	27.0	26.5	27.3	27.7
8H	24.7	25.6	25.2	26.0	26.4	26.0	26.9	26.4	27.3	27.6
12H	24.8	25.6	25.2	26.0	26.4	26.0	26.8	26.4	27.2	27.6
8H 4H	24.7	25.6	25.1	26.0	26.3	26.2	27.0	26.6	27.4	27.8
6H	25.4	26.1	25.8	26.5	26.9	26.4	27.1	26.8	27.5	27.9
8H	25.6	26.2	26.0	26.6	27.1	26.4	27.0	26.8	27.4	27.9
12H	25.7	26.2	26.2	26.7	27.1	26.3	26.9	26.8	27.3	27.8
12H 4H	24.7	25.5	25.2	25.9	26.3	26.2	27.0	26.6	27.3	27.8
6H	25.4	26.0	25.8	26.4	26.9	26.4	27.1	26.9	27.5	27.9
8H	25.6	26.2	26.1	26.6	27.1	26.4	26.9	26.9	27.4	27.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 12038 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 8.6$)
Area: 0.024 m²

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-02

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:120.16V I:0.6890A P:82.596W PF:0.9976 Freq:59.98Hz Lamp Flux:12037.5x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

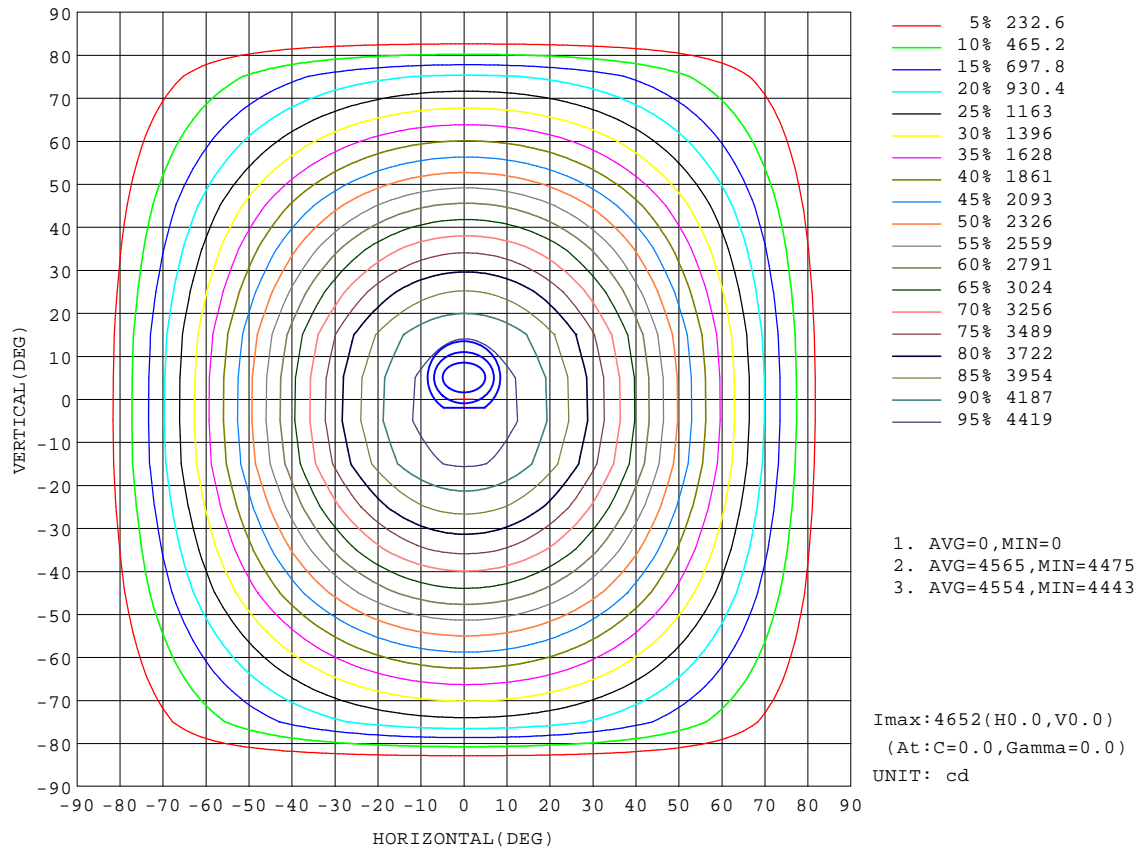
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	58	47	41	57	47	40	34
0.80	69	57	50	68	57	50	66	56	50	43
1.00	77	66	59	76	66	59	74	67	58	51
1.25	84	74	67	83	73	67	80	72	66	59
1.50	89	80	73	87	79	72	85	77	71	64
2.00	96	88	81	94	86	81	91	84	79	71
2.50	100	92	86	98	91	86	94	88	84	76
3.00	103	96	91	101	95	90	97	92	88	80
4.00	107	102	97	105	100	96	100	96	93	84
5.00	109	105	101	107	103	99	102	99	96	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-02

$V(B)$ 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:120.16V I:0.6890A P:82.596W PF:0.9976 Freq:59.98Hz Lamp Flux:12037.5x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



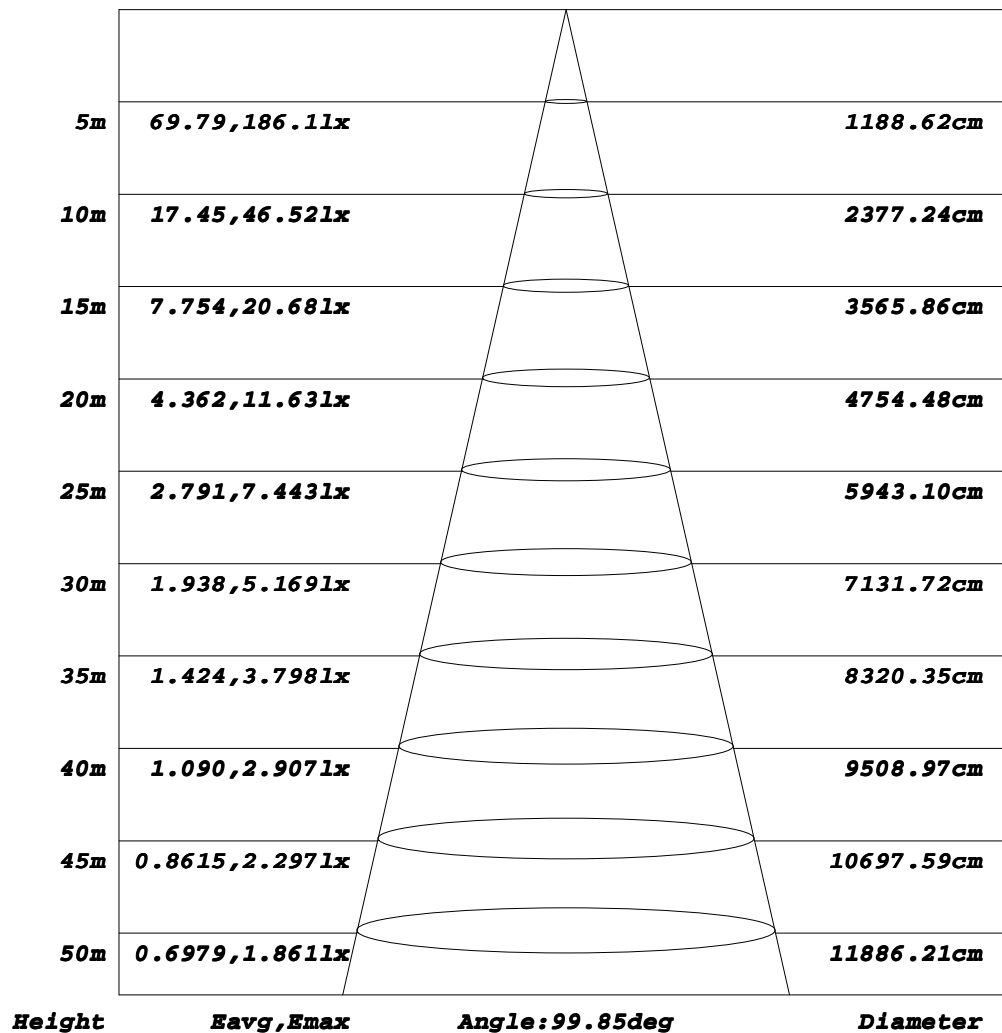
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-02

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:120.16V I:0.6890A P:82.596W PF:0.9976 Freq:59.98Hz Lamp Flux:12037.5x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:7784 lm



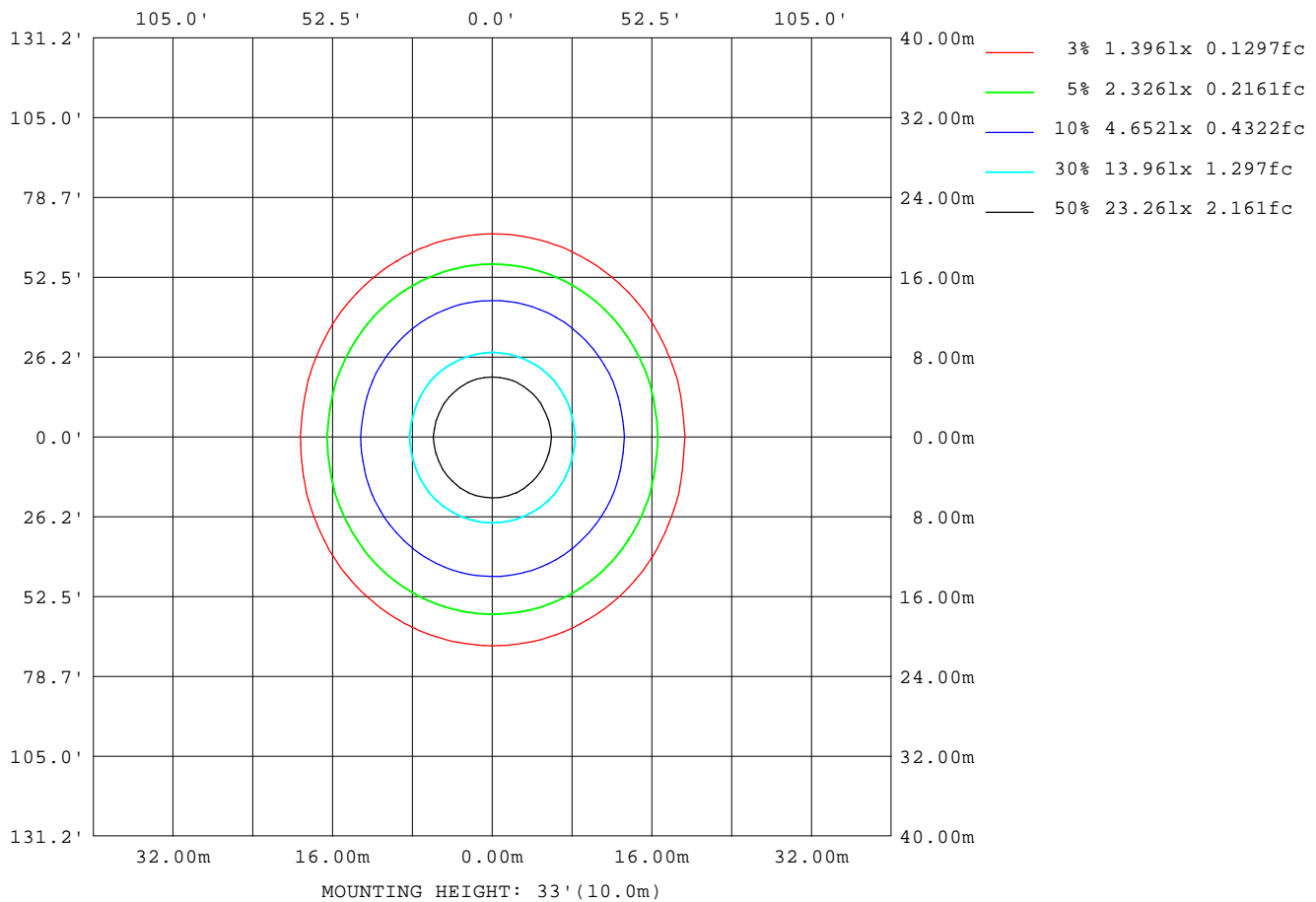
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessy
Test Date: 2024-12-02

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:120.16V I:0.6890A P:82.596W PF:0.9976 Freq:59.98Hz Lamp Flux:12037.5x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 1450*10mm	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:2024-12-02

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:120.16V I:0.6890A P:82.596W PF:0.9976 Freq:59.98Hz Lamp Flux:12037.5x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

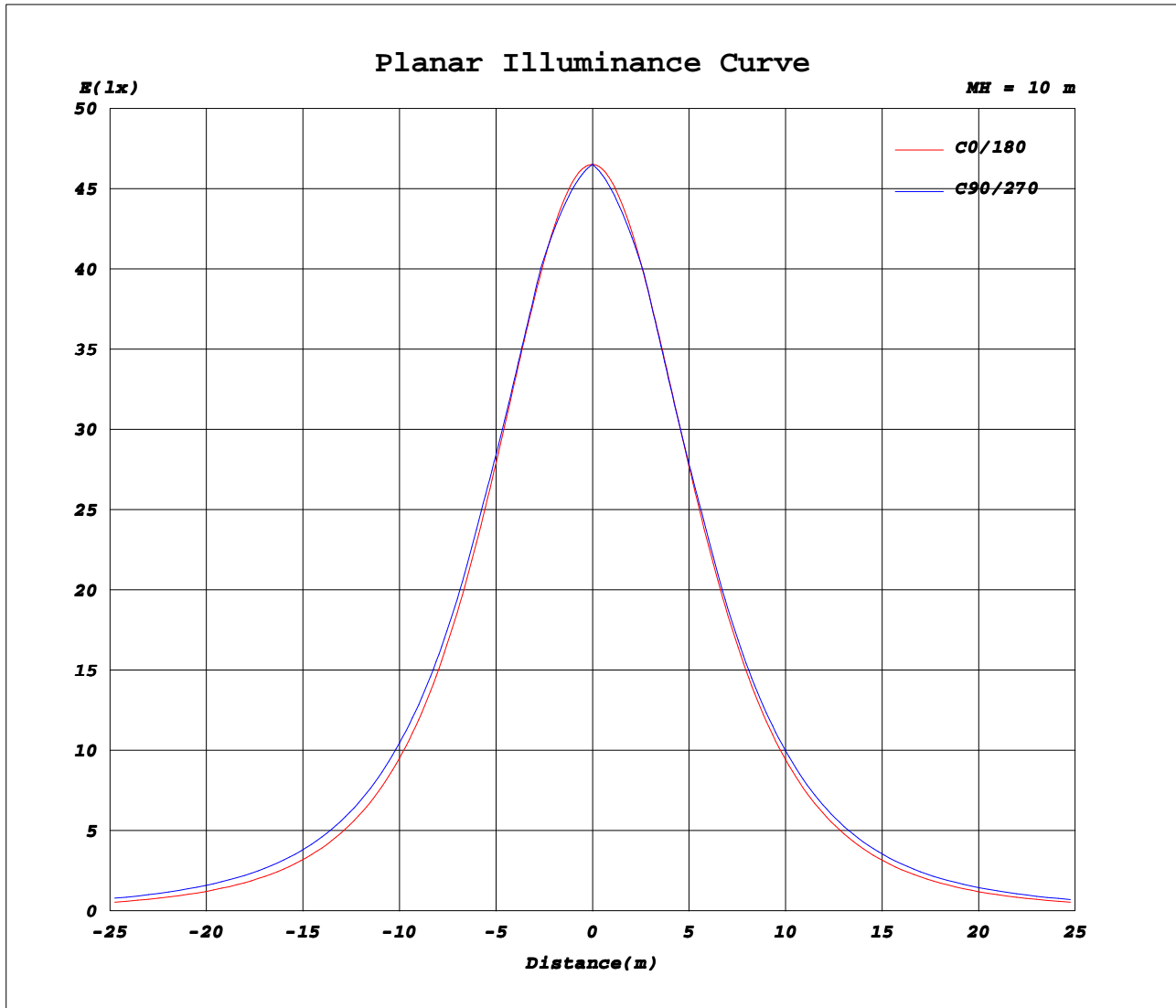
AvgL	cd/m2
L_0~180(65)av	124488
L_0~180(75)av	97916
L_0~180(85)av	44690
L_90~270(65)av	160742
L_90~270(75)av	166307
L_90~270(85)av	0
L_45(65)av	144453
L_45(75)av	141024
L_45(85)av	0

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:2024-12-02

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(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-02

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	4652	4652	4652	4652	4652	4652	4652	4652	4652	4652
2.5	4646	4644	4641	4638	4636	4633	4631	4629	4627	4625
5.0	4627	4621	4616	4611	4607	4603	4600	4597	4594	4592
7.5	4593	4585	4577	4571	4566	4561	4557	4554	4552	4551
10.0	4546	4535	4525	4517	4512	4507	4504	4503	4503	4504
12.5	4485	4471	4461	4453	4447	4443	4442	4443	4445	4449
15.0	4410	4394	4382	4374	4370	4369	4371	4375	4381	4388
17.5	4321	4303	4291	4283	4281	4283	4289	4298	4310	4323
20.0	4222	4202	4189	4182	4182	4189	4198	4213	4231	4251
22.5	4107	4086	4074	4070	4074	4084	4099	4121	4145	4140
25.0	3984	3961	3949	3947	3954	3970	3993	4022	4013	4011
27.5	3849	3826	3815	3816	3828	3849	3879	3878	3876	3878
30.0	3705	3681	3672	3676	3693	3721	3736	3731	3734	3743
32.5	3552	3527	3520	3528	3552	3587	3578	3582	3591	3606
35.0	3391	3366	3361	3374	3404	3419	3417	3425	3447	3467
37.5	3224	3200	3198	3217	3252	3249	3254	3270	3294	3330
40.0	3048	3025	3026	3051	3078	3078	3090	3114	3145	3176
42.5	2872	2850	2855	2886	2900	2905	2926	2958	2992	3003
45.0	2695	2673	2682	2720	2719	2734	2762	2803	2817	2835
47.5	2514	2495	2508	2540	2541	2563	2602	2626	2645	2668
50.0	2333	2315	2332	2356	2365	2395	2433	2451	2475	2505
52.5	2154	2137	2159	2174	2191	2231	2254	2278	2309	2344
55.0	1975	1959	1987	1994	2021	2060	2079	2110	2147	2185
57.5	1796	1784	1814	1819	1855	1881	1909	1947	1988	2017
60.0	1620	1610	1635	1648	1689	1708	1744	1788	1820	1853
62.5	1445	1436	1457	1481	1513	1542	1585	1621	1656	1692
65.0	1272	1266	1283	1320	1343	1382	1422	1458	1497	1535
67.5	1103	1099	1116	1153	1181	1226	1261	1301	1342	1381
70.0	935.8	936.3	955.5	986.7	1026	1064	1105	1148	1191	1230
72.5	772.6	776.8	802.1	829.1	871.2	910.7	955.8	1001	1042	1082
75.0	614.4	617.7	646.1	682.1	720.0	764.9	810.9	854.6	897.3	937.2
77.5	464.8	468.0	498.4	536.6	578.9	624.9	669.4	713.6	755.8	794.7
80.0	323.9	333.0	365.0	402.0	446.0	489.7	534.1	576.9	617.7	654.9
82.5	197.9	210.9	241.6	280.3	320.6	362.0	389.7	295.5	188.3	75.11
85.0	95.19	111.2	137.8	169.3	185.9	103.4	0	0	0	0
87.5	28.10	38.02	46.39	0	0	0	0	0	0	0
90.0	9.047	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	4652	4652	4652	4652	4652	4652	4652	4652	4652	4652
2.5	4624	4622	4621	4620	4619	4619	4618	4618	4618	4618
5.0	4590	4589	4587	4586	4585	4585	4584	4584	4583	4583
7.5	4550	4550	4550	4550	4550	4550	4550	4549	4549	4549
10.0	4505	4506	4509	4511	4512	4514	4515	4515	4515	4514
12.5	4454	4459	4464	4469	4473	4477	4480	4481	4481	4480
15.0	4398	4407	4417	4425	4433	4439	4444	4446	4447	4445
17.5	4336	4352	4359	4354	4351	4348	4347	4345	4344	4344
20.0	4257	4250	4247	4246	4245	4244	4243	4243	4242	4241
22.5	4136	4134	4133	4135	4137	4139	4140	4141	4140	4139
25.0	4012	4014	4019	4024	4029	4033	4036	4038	4038	4036
27.5	3884	3893	3902	3912	3921	3928	3933	3936	3936	3933
30.0	3755	3769	3784	3799	3812	3822	3829	3833	3834	3830
32.5	3625	3645	3666	3685	3687	3689	3689	3689	3689	3687
35.0	3493	3520	3526	3532	3536	3541	3543	3544	3544	3541
37.5	3354	3361	3369	3378	3386	3393	3397	3399	3399	3396
40.0	3188	3199	3212	3224	3236	3245	3250	3254	3254	3250
42.5	3024	3039	3056	3072	3097	3104	3108	3108	3109	3105
45.0	2857	2880	2901	2919	2937	2949	2959	2963	2964	2960
47.5	2695	2722	2746	2768	2783	2794	2801	2805	2805	2801
50.0	2535	2567	2589	2607	2622	2634	2642	2646	2646	2642
52.5	2379	2403	2425	2445	2461	2474	2483	2487	2487	2483
55.0	2212	2239	2263	2284	2301	2315	2324	2328	2328	2324
57.5	2047	2076	2101	2124	2142	2156	2165	2170	2170	2165
60.0	1885	1915	1942	1965	1984	1998	2007	2011	2011	2006
62.5	1726	1758	1785	1808	1828	1844	1855	1860	1860	1855
65.0	1570	1603	1631	1656	1677	1692	1703	1709	1709	1704
67.5	1418	1451	1480	1505	1525	1541	1552	1557	1558	1554
70.0	1267	1301	1330	1355	1375	1390	1401	1406	1407	1403
72.5	1119	1152	1181	1205	1225	1240	1250	1255	1256	1252
75.0	973.7	1006	1034	1057	1076	1090	1099	1104	1105	1102
77.5	830.3	861.1	801.8	731.0	669.8	620.1	583.4	560.6	552.6	559.2
80.0	459.3	364.9	276.4	196.6	128.2	73.11	32.80	8.239	0	8.218
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:2024-12-02

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	4652	4652	4652	4652	4652	4652	4652	4652	4652	4652
2.5	4618	4618	4618	4619	4620	4620	4621	4623	4624	4626
5.0	4583	4583	4583	4583	4584	4585	4586	4588	4589	4591
7.5	4548	4547	4547	4546	4546	4545	4545	4545	4546	4547
10.0	4513	4511	4509	4506	4504	4501	4498	4496	4494	4494
12.5	4477	4474	4469	4464	4458	4452	4446	4440	4435	4432
15.0	4441	4436	4429	4420	4410	4399	4388	4379	4370	4363
17.5	4344	4345	4346	4348	4351	4343	4327	4312	4297	4284
20.0	4240	4239	4238	4238	4239	4241	4247	4238	4218	4199
22.5	4137	4133	4130	4127	4124	4123	4123	4127	4133	4105
25.0	4032	4027	4021	4014	4007	4001	3997	3996	3998	4007
27.5	3928	3920	3912	3900	3889	3877	3869	3861	3860	3863
30.0	3823	3813	3802	3785	3769	3753	3737	3725	3716	3714
32.5	3683	3680	3675	3670	3648	3626	3604	3585	3570	3561
35.0	3536	3531	3524	3516	3508	3499	3471	3445	3422	3406
37.5	3390	3383	3373	3362	3350	3339	3330	3303	3273	3250
40.0	3244	3235	3222	3208	3193	3178	3163	3152	3124	3092
42.5	3097	3087	3072	3055	3036	3017	2998	2980	2968	2934
45.0	2951	2938	2923	2903	2881	2858	2834	2812	2793	2778
47.5	2794	2783	2769	2752	2727	2700	2671	2644	2619	2601
50.0	2634	2622	2607	2589	2570	2544	2512	2480	2450	2425
52.5	2475	2462	2446	2426	2404	2380	2355	2319	2283	2252
55.0	2315	2302	2285	2264	2240	2214	2186	2159	2121	2084
57.5	2156	2143	2125	2104	2078	2050	2020	1990	1961	1920
60.0	1997	1984	1966	1944	1918	1889	1857	1824	1791	1761
62.5	1845	1830	1811	1786	1760	1730	1697	1662	1626	1593
65.0	1695	1680	1660	1636	1607	1574	1540	1503	1465	1428
67.5	1544	1530	1510	1486	1457	1424	1388	1348	1309	1269
70.0	1394	1380	1362	1338	1310	1277	1240	1200	1157	1115
72.5	1244	1231	1213	1191	1164	1132	1096	1056	1013	967.4
75.0	1094	1082	1066	1044	1019	988.3	953.4	914.3	871.7	826.5
77.5	580.6	615.7	663.6	722.4	790.2	846.6	813.5	775.9	734.7	690.6
80.0	32.64	72.58	127.0	194.2	272.4	358.7	450.0	542.2	601.5	559.1
82.5	0	0	0	0	0	0	0	73.36	183.3	286.7
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	4652	4652	4652	4652	4652	4652	4652	4652	4652	4652
2.5	4628	4630	4632	4635	4637	4640	4643	4640	4636	4633
5.0	4594	4597	4601	4605	4609	4615	4620	4613	4607	4601
7.5	4550	4553	4557	4562	4568	4575	4583	4573	4564	4556
10.0	4494	4497	4500	4506	4513	4522	4533	4520	4508	4498
12.5	4431	4431	4434	4439	4446	4456	4469	4453	4439	4429
15.0	4357	4354	4354	4357	4365	4376	4391	4372	4357	4346
17.5	4274	4267	4264	4266	4272	4283	4300	4279	4263	4252
20.0	4183	4170	4163	4162	4168	4180	4198	4174	4157	4147
22.5	4083	4066	4054	4049	4052	4063	4082	4057	4040	4031
25.0	3977	3952	3935	3927	3926	3936	3956	3929	3913	3908
27.5	3863	3832	3808	3793	3789	3798	3819	3791	3775	3772
30.0	3719	3704	3672	3653	3646	3652	3673	3645	3631	3631
32.5	3560	3569	3532	3505	3495	3499	3521	3491	3479	3482
35.0	3399	3401	3385	3353	3336	3338	3360	3330	3320	3328
37.5	3235	3230	3232	3190	3169	3170	3193	3161	3152	3163
40.0	3069	3054	3055	3027	3002	3000	3021	2990	2984	3000
42.5	2901	2881	2876	2863	2831	2825	2846	2816	2812	2834
45.0	2738	2709	2697	2697	2659	2649	2668	2639	2639	2667
47.5	2576	2539	2518	2486	2471	2490	2461	2465	2465	2488
50.0	2409	2370	2342	2335	2312	2293	2308	2282	2291	2303
52.5	2228	2206	2168	2153	2140	2116	2131	2106	2119	2122
55.0	2053	2034	1998	1975	1969	1940	1952	1929	1947	1942
57.5	1883	1856	1832	1799	1799	1765	1775	1754	1775	1767
60.0	1718	1684	1665	1628	1619	1593	1600	1581	1595	1595
62.5	1559	1517	1490	1460	1442	1423	1425	1411	1419	1426
65.0	1395	1357	1320	1298	1270	1255	1253	1242	1246	1263
67.5	1232	1200	1157	1131	1103	1091	1084	1078	1079	1096
70.0	1074	1038	1003	966.2	940.5	931.1	919.6	917.0	916.8	931.4
72.5	923.2	881.9	847.9	809.6	786.0	773.7	758.1	759.5	761.7	774.5
75.0	779.0	734.0	695.0	663.2	630.7	613.8	602.0	599.4	606.5	627.4
77.5	643.8	595.9	551.1	516.3	483.6	463.1	453.4	449.1	459.6	481.9

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

Test Speed: HIGH

Temperature: 25.3DEG

Operators: Jessy

Test Date: 2024-12-02

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	514.4	467.9	420.1	379.4	351.4	325.5	314.4	312.0	327.9	347.6
82.5	376.7	347.5	302.5	259.4	225.9	203.1	193.0	191.1	207.0	231.5
85.0	0	99.47	176.6	158.1	123.8	103.4	91.76	93.54	110.4	136.3
87.5	0	0	0	0	41.91	30.47	26.60	29.64	37.00	0
90.0	0	0	0	0	0	0	8.843	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	4652	4652	4652	4652	4652	4652	4652	4652	4652	4652
2.5	4630	4627	4624	4622	4619	4617	4616	4614	4613	4613
5.0	4595	4591	4586	4583	4580	4577	4575	4573	4571	4570
7.5	4549	4543	4538	4535	4531	4529	4528	4526	4526	4526
10.0	4490	4484	4479	4476	4475	4475	4475	4476	4478	4479
12.5	4421	4416	4412	4411	4411	4413	4416	4421	4426	4430
15.0	4339	4335	4334	4337	4341	4347	4354	4362	4370	4379
17.5	4246	4245	4248	4254	4263	4275	4287	4300	4305	4299
20.0	4144	4146	4153	4164	4180	4196	4200	4192	4186	4182
22.5	4031	4037	4050	4067	4089	4079	4071	4066	4065	4064
25.0	3910	3920	3939	3964	3951	3943	3940	3939	3941	3945
27.5	3780	3797	3823	3816	3807	3804	3805	3810	3816	3824
30.0	3643	3667	3676	3664	3659	3662	3668	3679	3690	3702
32.5	3500	3529	3513	3508	3510	3518	3531	3546	3563	3580
35.0	3352	3360	3349	3349	3358	3373	3392	3413	3417	3420
37.5	3197	3187	3183	3190	3205	3227	3248	3249	3254	3260
40.0	3018	3009	3016	3030	3052	3072	3076	3082	3091	3100
42.5	2838	2834	2846	2869	2894	2897	2906	2918	2930	2942
45.0	2657	2661	2680	2711	2715	2725	2738	2753	2769	2784
47.5	2478	2489	2516	2531	2540	2555	2572	2591	2609	2626
50.0	2300	2320	2346	2353	2367	2387	2409	2431	2447	2461
52.5	2126	2153	2165	2178	2198	2222	2248	2264	2280	2295
55.0	1955	1981	1990	2007	2033	2060	2077	2095	2113	2130
57.5	1789	1802	1817	1841	1871	1889	1910	1930	1949	1966
60.0	1621	1629	1650	1681	1700	1722	1744	1766	1786	1803
62.5	1446	1461	1489	1512	1534	1558	1582	1605	1625	1643
65.0	1274	1299	1325	1347	1372	1398	1423	1447	1473	1495
67.5	1111	1141	1162	1187	1214	1242	1272	1301	1327	1349
70.0	955.8	978.8	1004	1032	1062	1096	1128	1157	1182	1204
72.5	800.6	823.3	852.1	884.4	920.6	954.5	985.9	1014	1039	1059
75.0	648.5	675.4	709.4	746.7	782.4	815.9	846.2	873.2	896.5	915.9
77.5	505.6	539.1	577.0	613.6	648.0	679.9	708.7	734.0	755.5	767.4
80.0	377.5	414.1	450.7	484.8	517.1	546.7	588.7	610.6	636.3	668.7
82.5	264.7	296.5	318.6	344.2	371.1	393.14	410.0	420.0	420.0	420.0
85.0	147.4	83.02	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	4652	4652	4652	4652	4652	4652	4652	4652	4652	4652
2.5	4612	4611	4610	4610	4610	4611	4611	4612	4612	4614
5.0	4569	4569	4569	4569	4569	4569	4570	4570	4572	4573
7.5	4526	4526	4526	4527	4527	4527	4528	4529	4529	4530
10.0	4481	4483	4484	4485	4486	4486	4486	4486	4485	4485
12.5	4434	4438	4441	4443	4445	4444	4444	4442	4440	4436
15.0	4387	4393	4398	4401	4403	4402	4401	4398	4392	4386
17.5	4296	4294	4293	4292	4293	4294	4296	4299	4303	4309
20.0	4181	4181	4181	4182	4183	4183	4185	4187	4189	4193
22.5	4065	4067	4069	4071	4072	4073	4074	4074	4075	4076
25.0	3948	3953	3957	3960	3962	3963	3962	3961	3960	3958
27.5	3832	3838	3845	3849	3852	3853	3851	3848	3844	3839
30.0	3714	3724	3733	3739	3742	3742	3740	3735	3729	3718
32.5	3582	3583	3585	3587	3589	3591	3592	3594	3597	3597
35.0	3424	3427	3431	3434	3437	3438	3438	3439	3438	3438
37.5	3266	3273	3278	3281	3284	3285	3284	3284	3281	3278
40.0	3109	3117	3124	3131	3132	3132	3131	3129	3123	3118
42.5	2953	2962	2970	2975	2979	2979	2977	2974	2967	2959
45.0	2797	2808	2817	2822	2826	2826	2824	2818	2810	2801
47.5	2638	2648	2655	2660	2663	2663	2662	2658	2652	2643
50.0	2473	2483	2491	2496	2500	2500	2498	2493	2486	2478
52.5	2308	2319	2328	2333	2337	2337	2335	2330	2322	2312
55.0	2144	2155	2164	2170	2173	2174	2171	2166	2158	2147
57.5	1980	1992	2001	2007	2010	2011	2008	2003	1995	1984
60.0	1818	1829	1838	1844	1847	1848	1846	1841	1832	1821
62.5	1661	1677	1688	1696	1699	1699	1695	1688	1676	1660
65.0	1514	1529	1541	1548	1552	1552	1548	1540	1528	1512
67.5	1368	1382	1393	1401	1404	1404	1400	1392	1380	1365
70.0	1222	1236	1246	1253	1256	1256	1252	1245	1233	1218

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-12-02

V(β) Range:-75 - 75DEG

V(β) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.998m [K=1.0000]

Remarks:

Photometric Data Table [cd]

72.5	1076	1089	1099	1106	1109	1109	1105	1098	1087	1073
75.0	931.5	943.5	952.5	958.2	961.0	960.9	957.7	951.2	941.4	928.0
77.5	576.5	535.1	504.7	486.3	480.5	487.6	507.5	539.5	582.8	635.9
80.0	110.3	63.08	28.37	7.146	0	7.166	28.53	63.60	111.5	171.0
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	4652	4652	4652	4652	4652	4652	4652	4652	4652	4652
2.5	4615	4616	4618	4620	4622	4625	4627	4630	4633	4636
5.0	4575	4577	4579	4582	4585	4589	4593	4597	4602	4608
7.5	4531	4532	4534	4536	4539	4542	4546	4552	4558	4565
10.0	4484	4483	4483	4484	4485	4487	4490	4495	4502	4510
12.5	4433	4430	4427	4424	4423	4423	4424	4428	4435	4444
15.0	4380	4372	4365	4359	4354	4351	4350	4351	4356	4363
17.5	4316	4311	4299	4289	4278	4271	4265	4263	4265	4272
20.0	4198	4205	4214	4213	4195	4182	4171	4165	4164	4169
22.5	4078	4081	4088	4096	4107	4086	4070	4059	4054	4055
25.0	3956	3956	3957	3962	3972	3985	3961	3943	3933	3932
27.5	3833	3828	3825	3826	3830	3838	3845	3821	3806	3799
30.0	3708	3699	3691	3686	3683	3688	3700	3691	3669	3658
32.5	3583	3569	3555	3543	3536	3532	3538	3554	3526	3510
35.0	3438	3439	3419	3402	3383	3375	3374	3385	3378	3355
37.5	3275	3274	3274	3253	3231	3216	3209	3214	3225	3196
40.0	3113	3108	3103	3098	3079	3057	3043	3040	3051	3032
42.5	2951	2941	2930	2923	2922	2899	2876	2866	2871	2865
45.0	2790	2778	2762	2751	2744	2741	2711	2693	2689	2699
47.5	2629	2614	2596	2581	2568	2561	2547	2521	2510	2519
50.0	2467	2453	2433	2413	2395	2383	2378	2351	2333	2334
52.5	2300	2286	2272	2248	2226	2207	2196	2185	2157	2151
55.0	2134	2118	2102	2085	2061	2036	2019	2012	1986	1972
57.5	1969	1953	1934	1915	1898	1870	1846	1832	1819	1796
60.0	1806	1789	1769	1748	1727	1709	1679	1658	1651	1623
62.5	1645	1628	1607	1584	1561	1539	1517	1489	1474	1456
65.0	1493	1470	1448	1424	1399	1375	1352	1326	1303	1293
67.5	1345	1322	1296	1268	1242	1214	1189	1168	1138	1125
70.0	1199	1176	1150	1121	1089	1059	1031	1005	981.3	957.8
72.5	1054	1032	1006	977.1	945.0	911.3	879.1	849.3	824.7	798.5
75.0	910.6	889.6	864.8	836.6	804.8	771.0	735.2	701.8	672.4	649.0
77.5	696.8	748.5	725.3	698.4	668.1	635.3	600.0	563.8	530.1	503.3
80.0	240.2	316.9	398.2	480.3	534.5	503.7	470.7	436.0	400.6	368.9
82.5	0	0	0	65.00	162.5	254.5	334.7	315.6	284.1	250.8
85.0	0	0	0	0	0	0	0	88.98	161.1	150.5
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	4652	4652								
2.5	4639	4643								
5.0	4614	4620								
7.5	4574	4583								
10.0	4520	4532								
12.5	4455	4468								
15.0	4375	4390								
17.5	4283	4299								
20.0	4180	4197								
22.5	4064	4081								
25.0	3939	3956								
27.5	3803	3820								
30.0	3659	3675								
32.5	3507	3521								
35.0	3348	3360								
37.5	3185	3194								
40.0	3013	3018								
42.5	2842	2844								
45.0	2669	2667								
47.5	2494	2488								
50.0	2320	2309								
52.5	2147	2131								
55.0	1975	1954								
57.5	1802	1778								
60.0	1621	1604								
62.5	1444	1431								

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-12-02

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	1268	1261
67.5	1102	1094
70.0	940.4	932.0
72.5	786.4	772.6
75.0	629.5	613.1
77.5	479.9	463.5
80.0	345.0	327.8
82.5	223.5	205.0
85.0	124.9	104.3
87.5	44.58	37.53
90.0	0	0

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-02

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: