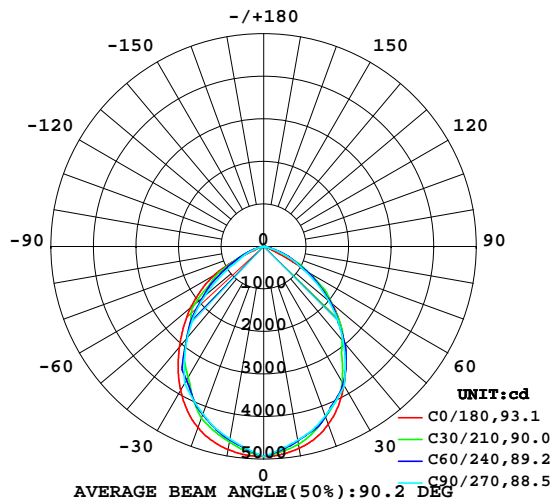


LUMINAIRE PHOTOMETRIC TEST REPORT

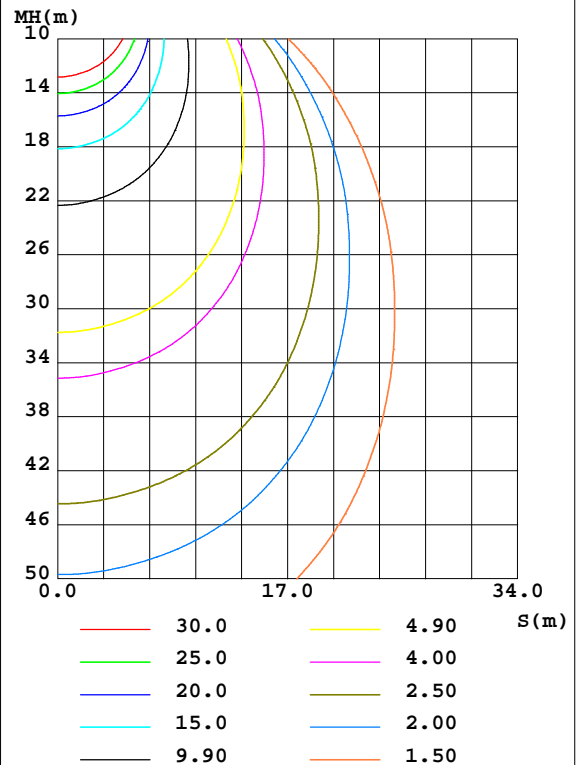
Test:U:120.19V I:0.4975A P:59.635W PF:0.9974 Freq:59.98Hz Lamp Flux:9727.02x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K/90°	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 163.11 lm/W			
MODEL	GHLV-10-U	Imax(cd)	4938	S/MH(C0/180)	1.18
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	1.13
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	9727.0	η UP,DN(C0-180)	0.0,50.9
NOMINAL FLUX(lm)	9727.02	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.1
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	1.25

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	4818	4669	4623	4650	4846	4636	4594	4644	0- 10	455.4	455.4	4.68,4.68
20	4448	4301	4239	4236	4527	4202	4186	4253	10- 20	1267	1722	17.7,17.7
30	3773	3667	3786	3648	3906	3613	3715	3597	20- 30	1837	3559	36.6,36.6
40	2938	2937	2912	2983	3078	2949	2791	2863	30- 40	2055	5615	57.7,57.7
50	2103	2024	2005	2086	2248	1999	1802	1932	40- 50	1881	7495	77.1,77.1
60	1107	1155	1065	1193	1323	1068	748.3	1035	50- 60	1387	8883	91.3,91.3
70	137.6	392.9	421.7	382.6	162.1	277.0	299.6	279.3	60- 70	674.6	9557	98.3,98.3
80	46.51	59.17	0	55.23	61.21	42.34	0	45.49	70- 80	158.5	9716	99.9,99.9
90	3.425	0	0	0	4.004	0	0	0	80- 90	11.05	9727	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): 6597.7 lm

%lum = 67.8%

%lamp = 67.8%

Conical surface Flux(120deg): 8882.9 lm

%lum = 91.3%

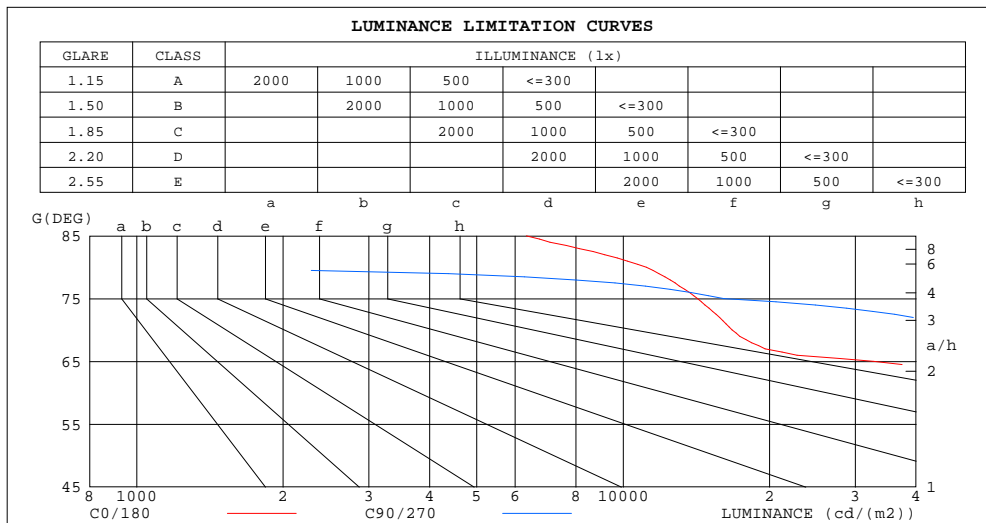
%lamp = 91.3%

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:120.19V I:0.4975A P:59.635W PF:0.9974 Freq:59.98Hz Lamp Flux:9727.02x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K/90°	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m ²)		
G(DEG)	C0/180	C90/270
85	6320	0
80	11161	0
75	14218	16094
70	16762	51380
65	32705	73314
60	92280	88769
55	119840	111493
50	136300	129939
45	149430	145754

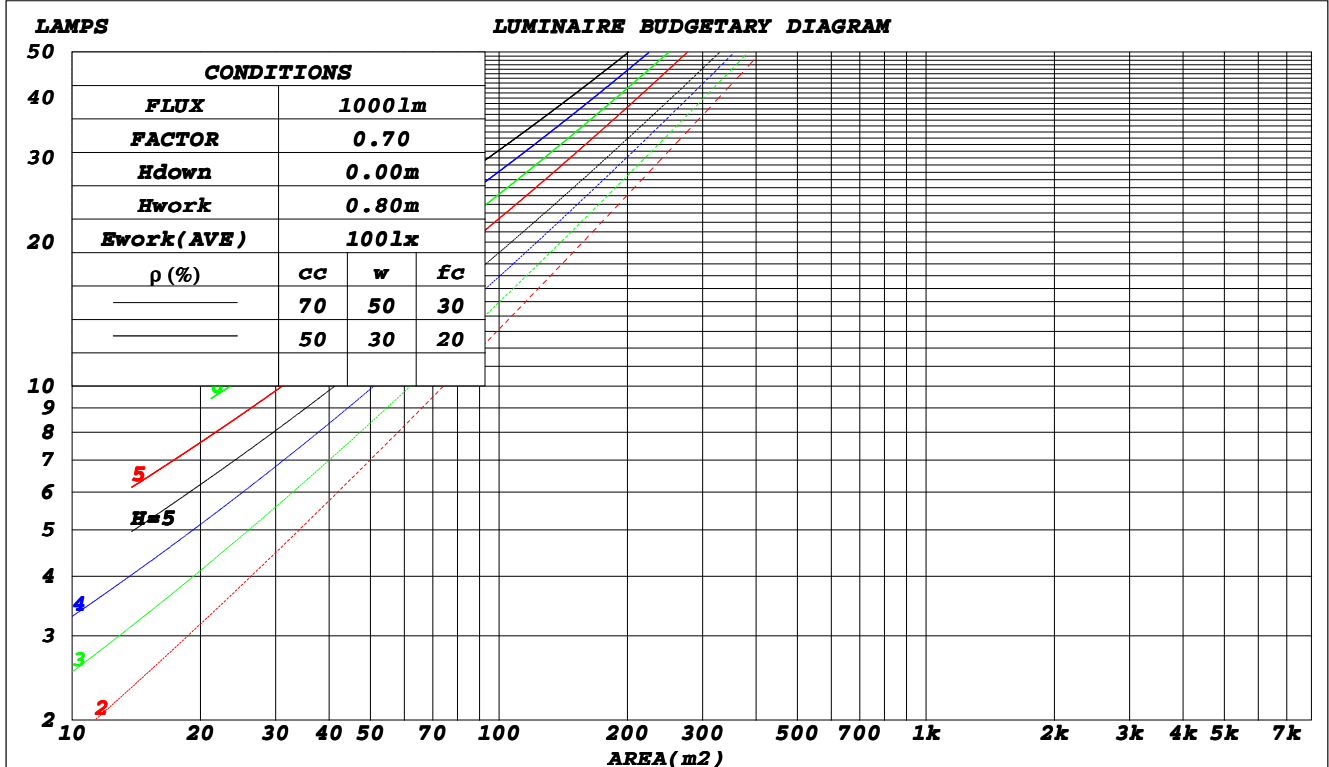
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-02

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:120.19V I:0.4975A P:59.635W PF:0.9974 Freq:59.98Hz Lamp Flux:9727.02x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K/90°	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						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.07	1.04	1.01	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.94	.92	.90	.89
2.0	.96	.90	.85	.94	.89	.84	.91	.86	.83	.87	.84	.81	.85	.82	.79	.77
3.0	.86	.79	.73	.84	.78	.73	.81	.76	.71	.79	.74	.70	.76	.72	.69	.67
4.0	.77	.69	.64	.76	.69	.63	.73	.67	.62	.71	.66	.62	.69	.65	.61	.59
5.0	.70	.62	.56	.69	.61	.56	.67	.60	.55	.65	.59	.54	.63	.58	.54	.52
6.0	.63	.55	.49	.62	.55	.49	.61	.54	.49	.59	.53	.48	.58	.52	.48	.46
7.0	.58	.50	.44	.57	.49	.44	.56	.49	.44	.54	.48	.44	.53	.47	.43	.41
8.0	.53	.45	.40	.52	.45	.40	.51	.44	.40	.50	.44	.39	.49	.43	.39	.37
9.0	.49	.41	.36	.48	.41	.36	.47	.41	.36	.46	.40	.36	.45	.40	.36	.34
10.0	.45	.38	.33	.45	.38	.33	.44	.37	.33	.43	.37	.33	.42	.37	.33	.31



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:120.19V I:0.4975A P:59.635W PF:0.9974 Freq:59.98Hz Lamp Flux:9727.02x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K/90°	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	.244	.139	.044	.238	.136	.043	.225	.129	.041	.213	.123	.039	.202	.117	.038		
2.0	.240	.131	.040	.234	.129	.040	.223	.124	.038	.212	.119	.037	.203	.115	.036		
3.0	.229	.122	.036	.223	.120	.036	.214	.116	.035	.204	.112	.034	.196	.109	.034		
4.0	.216	.112	.033	.211	.111	.033	.203	.108	.032	.195	.105	.032	.187	.102	.031		
5.0	.203	.104	.030	.199	.102	.030	.192	.100	.029	.184	.097	.029	.178	.095	.029		
6.0	.192	.096	.027	.188	.095	.027	.181	.093	.027	.175	.091	.027	.169	.089	.026		
7.0	.180	.089	.025	.177	.088	.025	.171	.086	.025	.165	.085	.025	.160	.083	.024		
8.0	.170	.083	.023	.167	.082	.023	.162	.081	.023	.157	.079	.023	.152	.078	.023		
9.0	.161	.078	.022	.158	.077	.022	.153	.076	.021	.149	.074	.021	.144	.073	.021		
10.0	.152	.073	.020	.150	.072	.020	.145	.071	.020	.141	.070	.020	.137	.069	.020		

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	.176	.157	.140	.150	.135	.120	.103	.093	.083	.059	.054	.048	.019	.017	.016	
2.0	.165	.132	.104	.142	.114	.090	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.157	.114	.080	.134	.098	.069	.092	.068	.049	.053	.040	.029	.017	.013	.009	
4.0	.149	.100	.063	.128	.087	.055	.088	.060	.039	.051	.035	.023	.016	.012	.008	
5.0	.141	.090	.051	.122	.077	.045	.084	.054	.031	.048	.032	.019	.016	.010	.006	
6.0	.135	.081	.042	.116	.070	.037	.080	.049	.026	.046	.029	.016	.015	.009	.005	
7.0	.128	.074	.036	.110	.064	.031	.076	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.123	.068	.031	.105	.059	.027	.073	.041	.019	.042	.024	.011	.014	.008	.004	
9.0	.117	.063	.027	.101	.055	.023	.070	.039	.017	.041	.023	.010	.013	.007	.003	
10.0	.112	.059	.024	.096	.051	.021	.067	.036	.015	.039	.021	.009	.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:120.19V I:0.4975A P:59.635W PF:0.9974 Freq:59.98Hz Lamp Flux:9727.02x1 lm										
NAME: LED Linear Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:60W/5000K/90°					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	21.2	22.5	21.4	22.7	22.9	21.1	22.4	21.3	22.6	22.8
3H	21.3	22.5	21.6	22.7	22.9	21.6	22.8	21.9	23.1	23.3
4H	21.2	22.4	21.5	22.6	22.8	21.6	22.8	21.9	23.0	23.2
6H	21.1	22.2	21.4	22.5	22.7	21.5	22.6	21.8	22.9	23.1
8H	21.1	22.1	21.4	22.4	22.7	21.5	22.5	21.8	22.8	23.1
12H	21.0	22.0	21.4	22.3	22.6	21.4	22.4	21.7	22.7	23.0
4H 2H	21.5	22.6	21.8	22.9	23.1	21.4	22.5	21.7	22.8	23.0
3H	21.6	22.6	22.0	22.9	23.2	22.0	23.0	22.4	23.3	23.6
4H	21.6	22.5	22.0	22.8	23.1	22.1	23.0	22.4	23.3	23.6
6H	21.5	22.3	21.9	22.7	23.0	22.0	22.8	22.4	23.1	23.5
8H	21.5	22.2	21.9	22.6	23.0	21.9	22.7	22.3	23.0	23.4
12H	21.5	22.1	21.9	22.5	22.9	21.9	22.6	22.3	22.9	23.3
8H 4H	21.6	22.3	22.0	22.7	23.0	22.0	22.7	22.4	23.1	23.5
6H	21.5	22.1	22.0	22.5	23.0	21.9	22.5	22.4	22.9	23.3
8H	21.5	22.1	22.0	22.5	22.9	21.9	22.4	22.3	22.8	23.3
12H	21.5	22.0	22.0	22.4	22.9	21.8	22.3	22.3	22.7	23.2
12H 4H	21.5	22.2	21.9	22.6	23.0	22.0	22.6	22.4	23.0	23.4
6H	21.5	22.0	22.0	22.5	22.9	21.9	22.4	22.3	22.8	23.3
8H	21.5	21.9	22.0	22.4	22.9	21.8	22.3	22.3	22.7	23.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.8 / - 0.8					+ 0.5 / - 0.7				
1.5H	+ 0.5 / - 0.9					+ 0.3 / - 0.4				
2.0H	+ 0.8 / - 1.3					+ 1.0 / - 1.5				

CIE Pub.117, 9727 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:2024-12-02

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:120.19V I:0.4975A P:59.635W PF:0.9974 Freq:59.98Hz Lamp Flux:9727.02x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K/90°	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

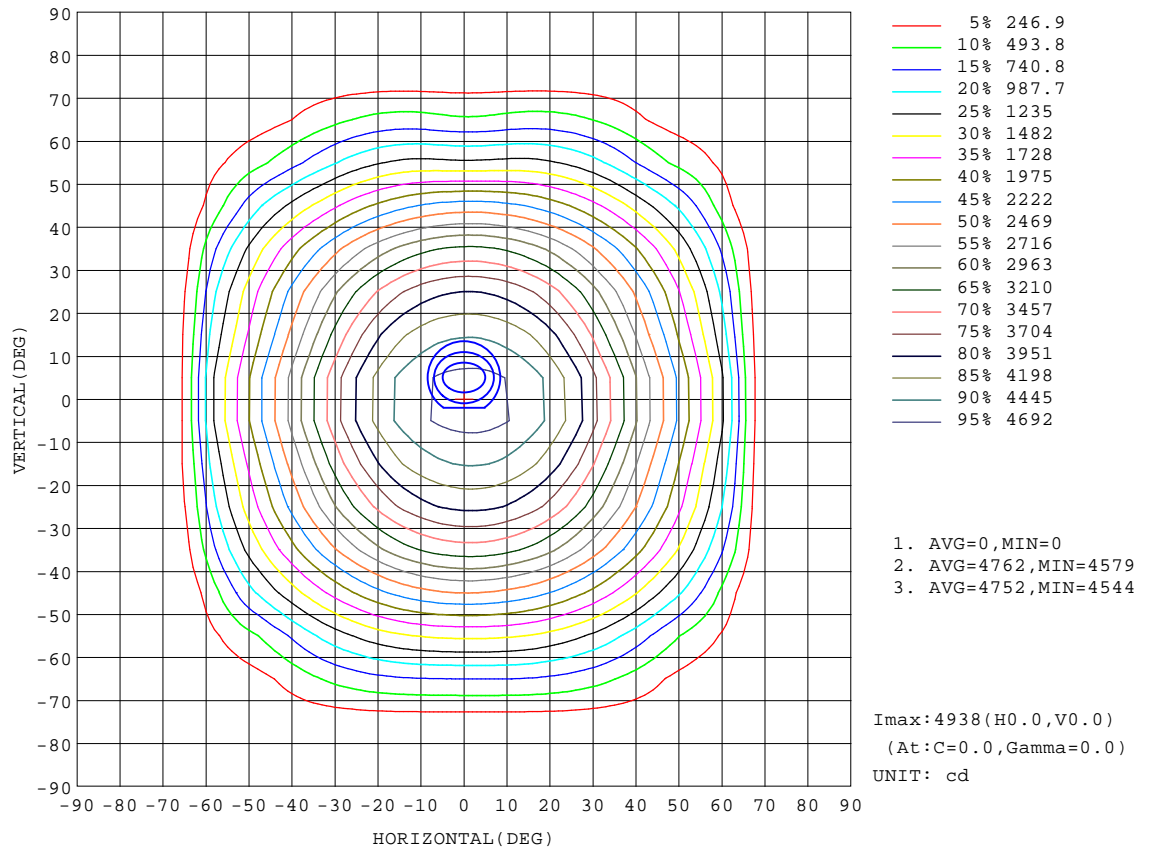
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	65	54	48	64	54	48	63	54	48	42
0.80	75	65	59	74	65	58	72	64	58	52
1.00	83	74	68	82	73	68	80	74	67	61
1.25	90	81	76	89	81	75	86	79	74	68
1.50	95	87	81	93	86	80	90	84	79	73
2.00	100	94	89	99	93	88	96	90	86	80
2.50	104	97	93	102	96	92	98	93	90	82
3.00	106	101	97	104	99	95	101	97	93	86
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	106	103	105	102	100	91
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:2024-12-02

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:120.19V I:0.4975A P:59.635W PF:0.9974 Freq:59.98Hz Lamp Flux:9727.02x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K/90°	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



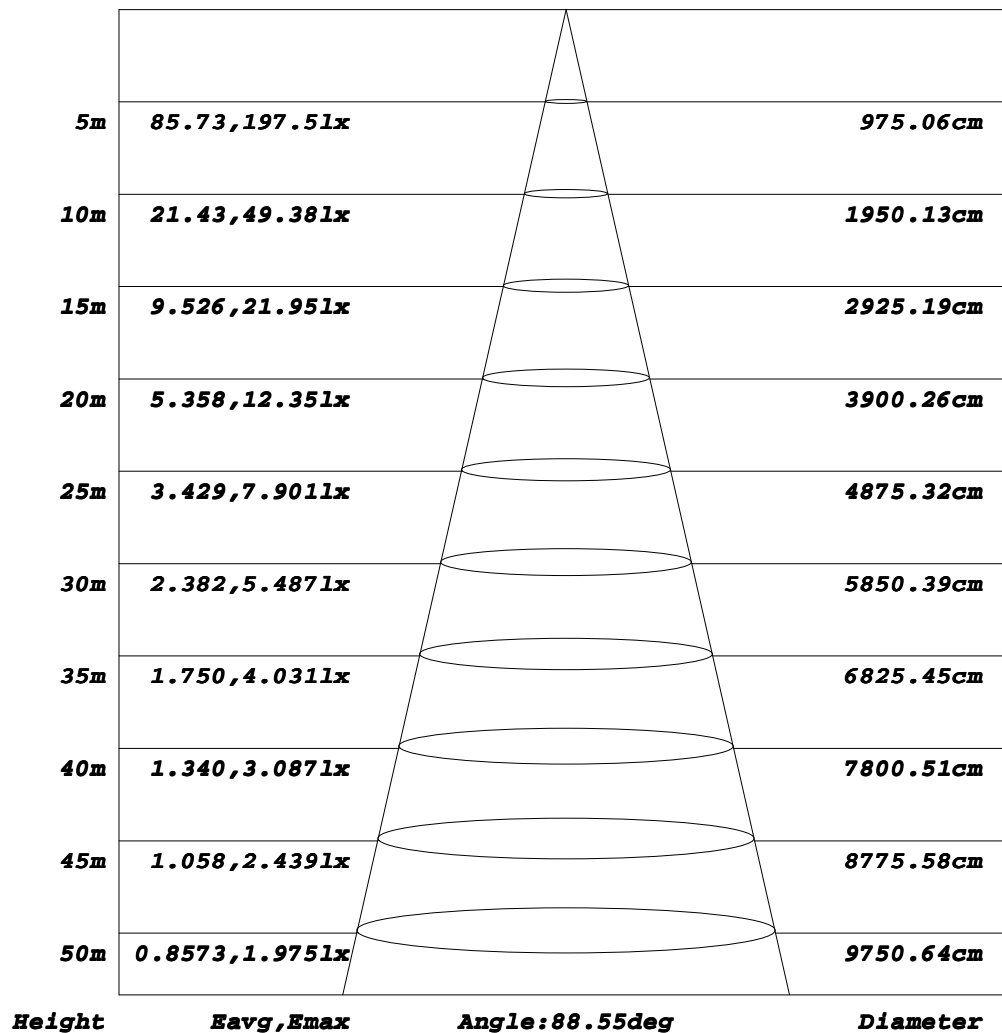
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-02

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:120.19V I:0.4975A P:59.635W PF:0.9974 Freq:59.98Hz Lamp Flux:9727.02x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K/90°	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:6503 lm



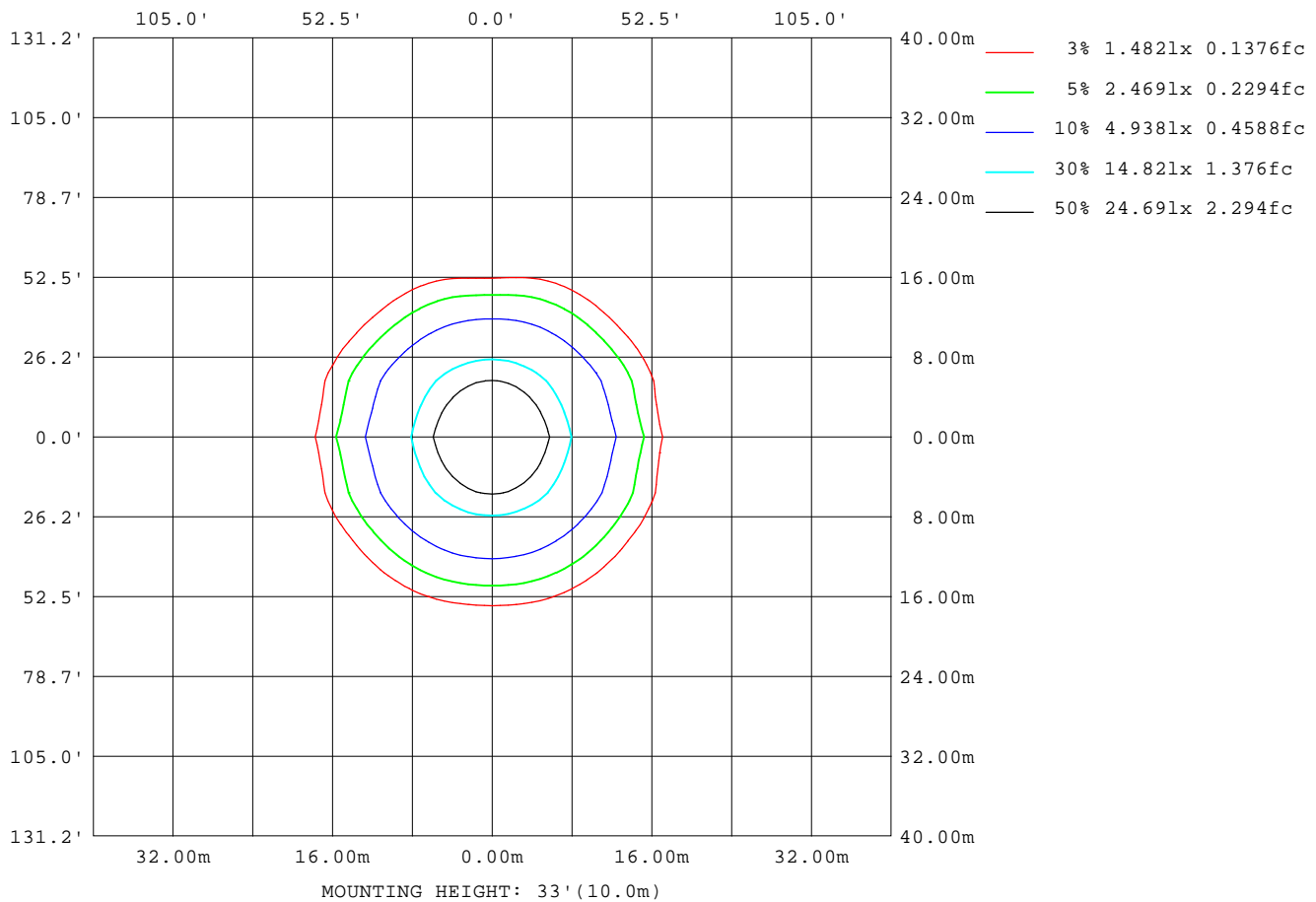
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.19V I:0.4975A P:59.635W PF:0.9974 Freq:59.98Hz Lamp Flux:9727.02x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K/90°	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:120.19V I:0.4975A P:59.635W PF:0.9974 Freq:59.98Hz Lamp Flux:9727.02x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K/90°	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

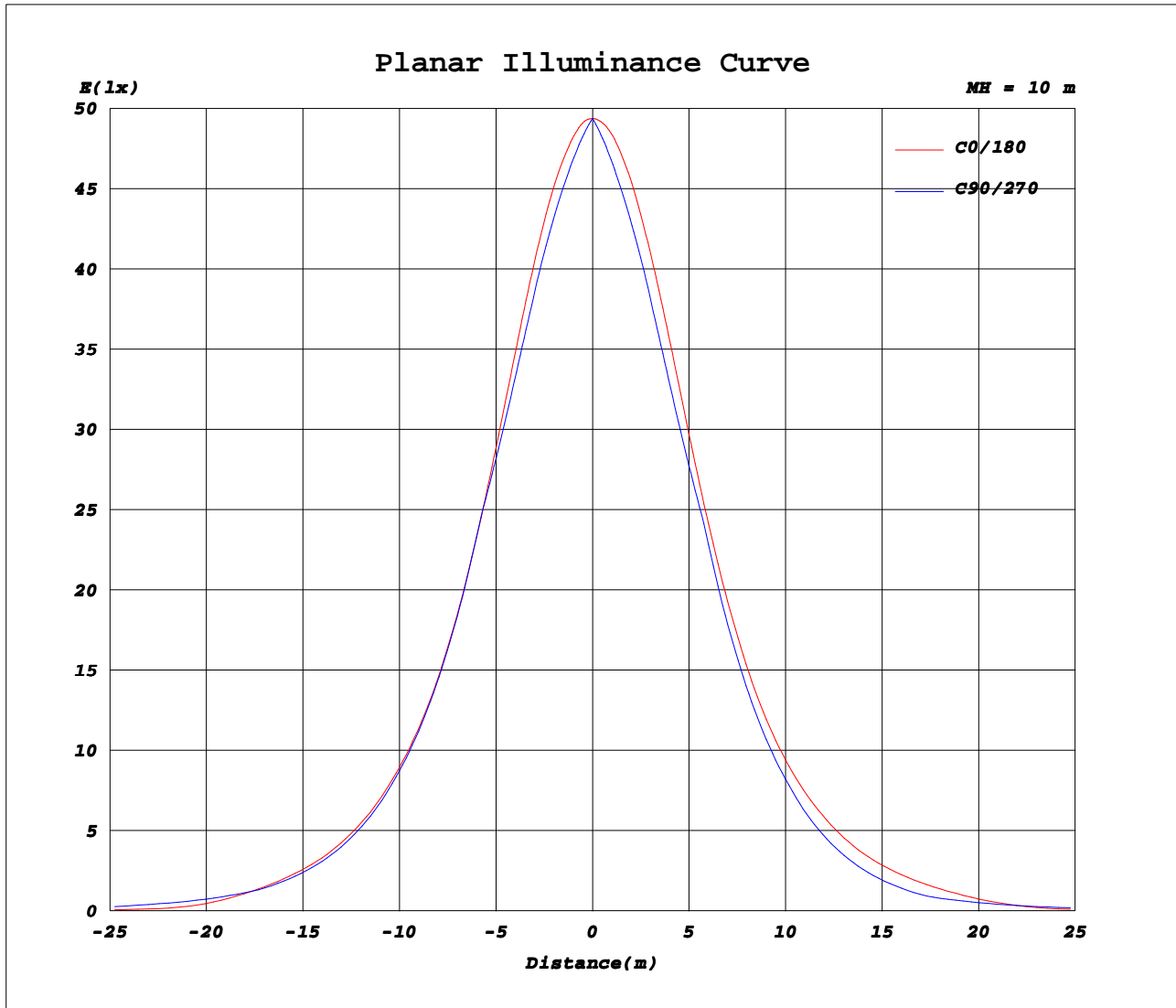
AvgL	cd/m2
L_0~180(65)av	45096
L_0~180(75)av	15519
L_0~180(85)av	8550
L_90~270(65)av	62505
L_90~270(75)av	14110
L_90~270(85)av	0
L_45(65)av	65404
L_45(75)av	28002
L_45(85)av	0

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	4938	4938	4938	4938	4938	4938	4938	4938	4938	4938
2.5	4932	4925	4919	4913	4907	4901	4896	4891	4886	4881
5.0	4905	4893	4882	4872	4862	4853	4844	4836	4828	4820
7.5	4865	4849	4834	4821	4808	4796	4786	4777	4767	4756
10.0	4818	4798	4780	4763	4748	4735	4722	4702	4685	4669
12.5	4754	4732	4712	4695	4680	4660	4632	4608	4587	4571
15.0	4674	4651	4631	4615	4596	4557	4524	4496	4475	4474
17.5	4573	4551	4535	4523	4479	4434	4396	4374	4381	4389
20.0	4448	4431	4421	4402	4339	4288	4258	4273	4288	4301
22.5	4306	4293	4290	4245	4174	4118	4141	4167	4190	4160
25.0	4148	4140	4144	4066	3986	3977	4017	4056	4013	3980
27.5	3967	3970	3978	3868	3785	3834	3887	3855	3814	3796
30.0	3773	3786	3771	3651	3621	3686	3690	3635	3614	3667
32.5	3575	3593	3550	3418	3451	3530	3457	3409	3478	3541
35.0	3367	3395	3323	3197	3279	3284	3214	3263	3345	3365
37.5	3153	3194	3090	3017	3110	3037	3022	3122	3159	3150
40.0	2938	2991	2854	2837	2886	2794	2877	2954	2934	2937
42.5	2737	2791	2620	2664	2642	2616	2741	2727	2721	2750
45.0	2536	2599	2389	2495	2400	2474	2534	2504	2535	2560
47.5	2323	2380	2198	2284	2185	2339	2305	2319	2356	2291
50.0	2103	2148	2012	2040	2040	2119	2093	2144	2084	2024
52.5	1879	1907	1828	1783	1900	1880	1914	1892	1811	1852
55.0	1650	1657	1646	1538	1703	1665	1718	1611	1639	1673
57.5	1404	1398	1448	1384	1441	1491	1432	1413	1465	1403
60.0	1107	1103	1169	1239	1197	1268	1184	1254	1182	1155
62.5	703.6	717.5	841.6	1012	1033	965.4	1031	978.2	934.0	974.6
65.0	331.7	370.1	469.6	673.8	807.8	766.7	801.6	727.5	757.4	752.2
67.5	174.4	214.3	320.1	432.2	465.9	608.1	535.6	559.7	521.1	489.8
70.0	137.6	156.0	201.6	305.9	313.9	349.0	394.4	337.7	292.6	392.9
72.5	112.1	125.9	118.9	132.3	188.4	238.7	225.0	175.8	248.2	312.1
75.0	88.32	91.79	98.02	108.5	115.4	147.9	121.8	152.4	179.5	199.5
77.5	66.42	68.17	72.60	74.76	91.22	91.52	100.3	103.1	111.4	120.7
80.0	46.51	55.81	58.93	63.37	65.53	70.70	69.64	72.31	70.62	59.17
82.5	27.19	37.40	38.03	42.48	44.84	48.72	49.49	35.08	20.98	8.025
85.0	13.22	24.14	23.93	25.12	28.10	14.28	0	0	0	0
87.5	5.036	9.470	10.91	0	0	0	0	0	0	0
90.0	3.425	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	4938	4938	4938	4938	4938	4938	4938	4938	4938	4938
2.5	4877	4873	4869	4867	4864	4861	4860	4858	4858	4857
5.0	4813	4807	4801	4795	4790	4786	4782	4779	4777	4776
7.5	4744	4734	4725	4718	4712	4707	4704	4701	4700	4699
10.0	4657	4647	4639	4632	4628	4625	4623	4623	4623	4624
12.5	4560	4553	4552	4551	4549	4548	4546	4545	4543	4541
15.0	4476	4477	4478	4477	4476	4473	4470	4467	4463	4456
17.5	4396	4404	4398	4382	4370	4361	4356	4353	4351	4348
20.0	4295	4272	4257	4246	4240	4237	4236	4237	4239	4240
22.5	4133	4115	4106	4111	4120	4124	4126	4126	4124	4121
25.0	3961	3972	3988	4003	4012	4018	4019	4016	4010	4000
27.5	3830	3858	3879	3891	3892	3894	3897	3899	3898	3892
30.0	3712	3738	3734	3736	3746	3758	3770	3781	3786	3786
32.5	3558	3558	3567	3579	3575	3574	3572	3570	3566	3565
35.0	3362	3369	3379	3378	3373	3369	3363	3356	3347	3339
37.5	3158	3173	3183	3181	3159	3145	3135	3132	3129	3127
40.0	2966	2982	2963	2937	2916	2905	2903	2906	2912	2915
42.5	2776	2736	2705	2685	2684	2686	2688	2691	2693	2693
45.0	2509	2472	2471	2480	2483	2480	2479	2477	2474	2470
47.5	2244	2263	2280	2286	2272	2255	2245	2240	2239	2240
50.0	2060	2081	2071	2046	2029	2014	2005	2002	2005	2010
52.5	1890	1847	1820	1799	1796	1790	1779	1772	1770	1773
55.0	1628	1594	1591	1594	1589	1575	1557	1543	1535	1536
57.5	1369	1391	1398	1396	1376	1352	1328	1309	1300	1304
60.0	1185	1205	1184	1164	1143	1122	1097	1076	1065	1072
62.5	984.4	965.2	946.1	934.6	942.4	939.3	925.5	911.8	904.4	907.1
65.0	731.3	735.7	773.3	790.2	791.2	781.3	764.1	750.0	743.6	745.3
67.5	560.3	617.4	643.3	645.8	634.0	618.6	601.1	588.1	582.7	585.0
70.0	466.2	490.4	491.6	483.5	469.2	453.4	437.5	426.3	421.7	424.7
72.5	336.0	341.9	336.1	326.2	309.6	291.3	275.0	264.6	260.9	263.6
75.0	211.7	212.1	200.2	179.4	154.4	130.5	112.7	103.0	99.97	102.5
77.5	115.1	94.79	84.10	75.37	66.04	58.03	52.94	50.63	49.99	50.39
80.0	48.07	38.13	28.99	20.30	12.66	6.850	2.977	0.7440	0	0.7406
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	4938	4938	4938	4938	4938	4938	4938	4938	4938	4938
2.5	4858	4859	4860	4862	4865	4868	4872	4876	4881	4886
5.0	4776	4777	4779	4782	4786	4791	4798	4805	4813	4823
7.5	4700	4701	4703	4706	4709	4713	4718	4724	4733	4746
10.0	4625	4626	4629	4632	4637	4640	4645	4650	4656	4664
12.5	4540	4540	4542	4548	4554	4564	4573	4576	4581	4588
15.0	4452	4448	4448	4449	4453	4460	4471	4487	4504	4506
17.5	4347	4344	4345	4344	4345	4348	4356	4369	4388	4414
20.0	4239	4240	4238	4238	4237	4235	4232	4236	4250	4275
22.5	4117	4116	4118	4123	4129	4123	4116	4104	4091	4112
25.0	3991	3984	3978	3976	3980	3991	4000	3980	3955	3927
27.5	3882	3870	3851	3827	3817	3819	3829	3850	3821	3782
30.0	3778	3765	3746	3718	3685	3646	3637	3648	3672	3638
32.5	3567	3576	3589	3611	3574	3528	3470	3435	3456	3494
35.0	3337	3339	3346	3362	3388	3414	3348	3275	3234	3267
37.5	3126	3122	3116	3111	3130	3159	3199	3149	3065	3034
40.0	2919	2921	2919	2912	2898	2889	2927	2983	2936	2831
42.5	2696	2702	2712	2721	2708	2685	2657	2706	2779	2698
45.0	2468	2468	2473	2484	2501	2502	2474	2440	2498	2574
47.5	2243	2244	2242	2239	2250	2270	2297	2261	2217	2302
50.0	2020	2029	2035	2032	2020	2016	2043	2086	2041	2017
52.5	1784	1800	1819	1834	1828	1809	1787	1825	1875	1814
55.0	1546	1563	1580	1599	1618	1625	1604	1574	1613	1652
57.5	1317	1337	1351	1359	1373	1392	1419	1394	1357	1415
60.0	1091	1119	1143	1157	1155	1147	1165	1193	1177	1152
62.5	918.3	936.2	951.8	962.0	965.9	958.7	930.5	924.7	968.4	967.8
65.0	755.4	770.8	783.8	792.5	789.6	781.3	753.5	704.8	695.8	769.9
67.5	595.2	610.4	622.5	626.8	622.3	615.0	585.4	529.8	490.1	509.7
70.0	435.5	452.7	469.9	481.6	481.6	466.1	425.7	382.6	324.4	319.2
72.5	274.4	292.7	314.0	335.1	349.7	349.3	322.1	267.3	219.2	186.9
75.0	113.2	131.8	155.1	180.5	203.7	222.4	227.5	205.1	161.0	127.1
77.5	53.26	58.74	65.57	72.84	79.93	90.53	115.5	125.9	120.2	103.2
80.0	2.995	6.932	12.56	19.59	27.54	35.97	45.11	55.23	66.81	71.72
82.5	0	0	0	0	0	0	0	7.490	19.44	31.85
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	4938	4938	4938	4938	4938	4938	4938	4938	4938	4938
2.5	4892	4898	4904	4911	4918	4925	4932	4924	4917	4909
5.0	4834	4846	4859	4873	4888	4903	4919	4902	4886	4870
7.5	4760	4777	4797	4818	4840	4864	4889	4863	4838	4814
10.0	4674	4697	4721	4748	4779	4812	4846	4810	4775	4743
12.5	4595	4604	4628	4664	4703	4746	4793	4744	4698	4656
15.0	4510	4515	4523	4559	4608	4663	4722	4660	4603	4551
17.5	4418	4418	4419	4433	4493	4561	4637	4558	4487	4423
20.0	4309	4310	4301	4298	4354	4436	4527	4433	4348	4288
22.5	4145	4190	4173	4160	4195	4293	4403	4289	4188	4150
25.0	3961	4011	4034	4010	4012	4126	4256	4122	4003	3998
27.5	3759	3811	3883	3849	3820	3940	4087	3935	3811	3835
30.0	3586	3593	3669	3681	3640	3741	3906	3736	3630	3665
32.5	3432	3367	3442	3508	3452	3528	3712	3523	3441	3491
35.0	3281	3197	3200	3311	3258	3307	3509	3302	3247	3293
37.5	3081	3032	2951	3068	3063	3078	3295	3073	3052	3051
40.0	2837	2873	2761	2825	2871	2853	3078	2848	2859	2807
42.5	2593	2655	2598	2585	2686	2631	2871	2625	2674	2567
45.0	2436	2413	2441	2338	2502	2405	2664	2400	2490	2320
47.5	2309	2172	2262	2141	2273	2208	2456	2204	2261	2127
50.0	2128	2025	2015	1973	2029	2002	2248	1998	2021	1964
52.5	1844	1899	1763	1811	1775	1796	2021	1790	1765	1803
55.0	1581	1691	1570	1640	1518	1593	1793	1587	1506	1632
57.5	1420	1403	1443	1379	1267	1387	1569	1384	1262	1373
60.0	1233	1173	1279	1101	1088	1168	1323	1168	1089	1103
62.5	971.1	1026	957.1	884.6	879.1	900.1	997.7	905.9	889.7	895.1
65.0	765.8	773.5	686.8	727.8	626.4	545.4	583.1	550.7	641.5	745.6
67.5	605.6	491.7	550.4	437.5	293.2	247.8	255.5	242.3	290.3	441.9
70.0	364.3	393.9	284.6	184.6	145.6	140.9	162.1	139.9	144.7	181.4
72.5	205.2	228.8	168.3	153.4	126.4	108.1	129.2	106.4	125.3	148.6
75.0	123.0	128.1	123.2	96.42	91.74	93.30	104.5	91.48	89.88	92.68
77.5	90.70	89.88	81.78	81.23	72.56	73.42	82.16	71.70	69.95	76.56

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]

80.0	71.92	65.86	61.82	52.52	48.69	47.85	61.21	46.29	45.81	47.93
82.5	43.45	46.40	44.46	38.53	35.58	31.53	41.13	30.23	32.64	34.10
85.0	0	11.96	22.37	25.34	20.59	15.50	22.55	14.28	18.56	21.82
87.5	0	0	0	0	6.980	7.413	10.41	7.503	7.220	0
90.0	0	0	0	0	0	0	4.004	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	4938	4938	4938	4938	4938	4938	4938	4938	4938	4938
2.5	4902	4895	4889	4882	4877	4872	4867	4863	4860	4857
5.0	4856	4842	4829	4818	4807	4797	4789	4782	4776	4771
7.5	4792	4772	4754	4738	4724	4714	4706	4700	4694	4690
10.0	4714	4688	4664	4654	4645	4636	4630	4623	4617	4611
12.5	4618	4592	4582	4574	4566	4560	4555	4544	4533	4524
15.0	4511	4500	4493	4488	4484	4466	4449	4437	4429	4424
17.5	4406	4401	4398	4390	4362	4341	4327	4319	4315	4314
20.0	4287	4292	4288	4249	4222	4202	4196	4199	4202	4202
22.5	4159	4172	4123	4087	4061	4071	4077	4084	4089	4082
25.0	4019	3992	3939	3902	3924	3944	3959	3947	3936	3930
27.5	3864	3788	3732	3755	3790	3812	3788	3773	3768	3776
30.0	3649	3568	3559	3610	3643	3613	3596	3599	3634	3663
32.5	3419	3338	3403	3465	3428	3406	3431	3479	3520	3551
35.0	3177	3170	3253	3239	3206	3245	3309	3362	3325	3290
37.5	2929	3008	3056	3009	3037	3119	3159	3099	3055	3025
40.0	2740	2853	2817	2809	2910	2949	2878	2824	2810	2811
42.5	2581	2641	2582	2680	2753	2662	2596	2605	2606	2604
45.0	2428	2406	2431	2561	2462	2384	2398	2407	2384	2354
47.5	2251	2168	2310	2284	2172	2190	2206	2162	2123	2096
50.0	2009	2022	2130	1994	1984	1999	1939	1896	1884	1884
52.5	1760	1899	1831	1778	1803	1726	1669	1681	1686	1682
55.0	1566	1692	1558	1601	1534	1465	1475	1490	1470	1444
57.5	1440	1386	1386	1354	1270	1276	1280	1247	1223	1202
60.0	1274	1139	1186	1084	1083	1068	1019	991.3	999.1	996.0
62.5	948.0	976.1	902.1	896.3	871.5	802.9	778.6	794.8	802.8	797.5
65.0	673.1	717.0	690.0	701.1	608.3	578.0	589.3	611.5	639.9	651.6
67.5	526.7	437.7	541.7	451.7	402.0	392.4	435.0	472.6	497.0	510.1
70.0	269.4	349.2	321.5	266.7	236.0	277.0	312.4	353.0	382.4	390.5
72.5	154.9	203.6	176.9	145.9	162.2	194.3	236.5	265.5	277.7	269.1
75.0	113.4	113.7	104.5	102.4	120.9	149.6	167.9	168.6	158.6	140.5
77.5	74.01	78.82	76.90	81.81	90.19	93.34	85.89	67.33	59.10	53.53
80.0	54.34	56.25	58.84	55.90	51.16	42.34	33.94	26.71	20.37	14.41
82.5	37.65	37.60	33.50	24.42	14.92	5.747	0	0	0	0
85.0	17.90	9.303	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	4938	4938	4938	4938	4938	4938	4938	4938	4938	4938
2.5	4854	4852	4851	4851	4851	4851	4853	4854	4857	4860
5.0	4767	4765	4763	4762	4763	4765	4768	4772	4776	4782
7.5	4685	4682	4680	4678	4678	4680	4682	4686	4691	4697
10.0	4606	4601	4597	4595	4594	4594	4594	4595	4598	4603
12.5	4516	4512	4508	4508	4507	4508	4510	4511	4512	4513
15.0	4420	4418	4417	4419	4421	4424	4427	4430	4430	4432
17.5	4313	4308	4306	4304	4303	4304	4306	4310	4318	4328
20.0	4200	4197	4193	4189	4186	4183	4179	4179	4181	4187
22.5	4074	4069	4067	4067	4068	4068	4066	4062	4056	4050
25.0	3930	3932	3938	3944	3950	3954	3955	3952	3946	3937
27.5	3796	3812	3824	3830	3832	3831	3827	3824	3821	3822
30.0	3686	3701	3712	3717	3715	3707	3695	3684	3670	3660
32.5	3522	3500	3489	3484	3483	3485	3487	3491	3494	3494
35.0	3265	3251	3244	3245	3252	3260	3267	3276	3283	3288
37.5	3021	3020	3019	3019	3021	3025	3030	3043	3061	3082
40.0	2808	2804	2798	2794	2791	2787	2787	2795	2809	2832
42.5	2586	2569	2561	2556	2558	2561	2562	2566	2569	2574
45.0	2333	2321	2318	2318	2326	2336	2342	2351	2362	2362
47.5	2090	2084	2074	2063	2064	2074	2090	2114	2142	2162
50.0	1876	1857	1832	1808	1802	1811	1833	1863	1892	1918
52.5	1656	1623	1585	1551	1538	1551	1583	1622	1651	1670
55.0	1417	1383	1338	1294	1274	1291	1335	1389	1434	1459
57.5	1186	1147	1088	1032	1011	1038	1094	1158	1214	1255
60.0	971.0	917.2	838.0	768.9	748.3	785.6	855.5	927.4	983.6	1023
62.5	787.7	755.4	703.9	655.2	636.3	658.9	708.7	760.1	791.9	796.1
65.0	648.5	626.5	589.1	547.3	524.3	536.4	577.3	625.9	660.9	670.4
67.5	512.9	494.8	461.9	427.6	412.0	424.2	456.9	495.4	527.0	544.6
70.0	383.6	362.2	332.2	307.0	299.6	312.2	337.3	365.4	389.3	405.0

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:

Photometric Data Table [cd]

72.5	252.2	230.0	207.3	191.6	187.5	194.8	211.3	232.9	253.7	269.0
75.0	118.6	97.49	82.56	76.20	75.32	76.94	84.19	99.35	120.2	141.7
77.5	47.38	41.87	38.50	37.51	37.66	37.86	39.27	42.85	48.44	55.06
80.0	9.083	4.941	2.164	0.5511	0	0.5563	2.208	5.058	9.286	14.83
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	4938	4938	4938	4938	4938	4938	4938	4938	4938	4938
2.5	4863	4867	4871	4876	4881	4887	4892	4898	4904	4911
5.0	4788	4795	4802	4810	4819	4827	4836	4846	4857	4868
7.5	4705	4715	4726	4739	4752	4763	4774	4786	4799	4814
10.0	4609	4619	4630	4644	4662	4682	4704	4719	4735	4753
12.5	4515	4515	4524	4539	4558	4582	4610	4642	4665	4684
15.0	4432	4433	4434	4436	4442	4466	4498	4535	4578	4602
17.5	4344	4350	4349	4345	4342	4340	4367	4408	4459	4507
20.0	4199	4217	4241	4253	4243	4233	4222	4258	4314	4383
22.5	4045	4056	4077	4106	4142	4121	4098	4081	4143	4222
25.0	3924	3908	3899	3923	3957	4003	3968	3935	3952	4040
27.5	3810	3789	3764	3731	3751	3796	3831	3787	3749	3841
30.0	3658	3664	3641	3597	3547	3573	3631	3635	3583	3622
32.5	3483	3479	3484	3469	3408	3349	3401	3477	3411	3390
35.0	3291	3288	3279	3286	3275	3201	3159	3235	3239	3169
37.5	3087	3085	3073	3074	3090	3060	2969	2991	3070	2987
40.0	2863	2889	2877	2863	2866	2892	2826	2752	2848	2810
42.5	2601	2636	2685	2669	2654	2673	2692	2577	2608	2636
45.0	2360	2369	2414	2475	2466	2454	2487	2435	2366	2463
47.5	2163	2156	2143	2200	2280	2262	2260	2300	2154	2258
50.0	1950	1968	1953	1932	2003	2077	2045	2078	2006	2013
52.5	1698	1730	1774	1751	1724	1821	1859	1838	1864	1754
55.0	1467	1474	1511	1563	1543	1536	1660	1620	1664	1512
57.5	1270	1267	1249	1287	1361	1334	1370	1442	1403	1353
60.0	1054	1078	1061	1035	1078	1170	1119	1213	1153	1202
62.5	813.8	833.9	852.9	846.0	830.1	898.2	962.4	906.2	979.6	957.8
65.0	652.6	602.3	590.4	618.6	645.9	654.1	735.1	701.5	748.5	601.9
67.5	541.3	505.9	428.6	354.5	414.7	483.2	480.8	540.5	412.5	383.1
70.0	410.0	400.3	359.3	279.3	200.7	281.4	349.3	302.3	272.7	274.5
72.5	275.1	272.8	254.8	222.8	172.2	137.6	198.0	208.0	166.0	126.4
75.0	159.1	165.2	157.0	141.5	127.1	116.8	106.3	130.6	106.3	103.8
77.5	61.91	71.07	85.78	87.85	83.33	82.78	85.90	81.69	82.90	70.58
80.0	21.36	28.47	36.25	45.49	54.88	57.87	58.35	61.38	58.17	58.27
82.5	0	0	0	6.183	16.39	27.40	38.65	39.77	38.41	37.76
85.0	0	0	0	0	0	0	0	11.20	22.26	21.52
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	4938	4938								
2.5	4918	4925								
5.0	4880	4892								
7.5	4830	4847								
10.0	4773	4795								
12.5	4705	4728								
15.0	4622	4646								
17.5	4524	4546								
20.0	4408	4425								
22.5	4274	4285								
25.0	4127	4131								
27.5	3959	3960								
30.0	3752	3776								
32.5	3530	3584								
35.0	3304	3385								
37.5	3072	3185								
40.0	2836	2982								
42.5	2602	2782								
45.0	2375	2590								
47.5	2181	2372								
50.0	1993	2138								
52.5	1810	1898								
55.0	1628	1647								
57.5	1425	1384								
60.0	1136	1080								
62.5	787.0	686.7								

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	427.8	354.3
67.5	296.4	210.5
70.0	193.3	156.0
72.5	116.5	125.4
75.0	95.66	91.29
77.5	70.67	67.79
80.0	56.88	55.39
82.5	35.73	36.73
85.0	21.61	22.95
87.5	9.779	9.287
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: