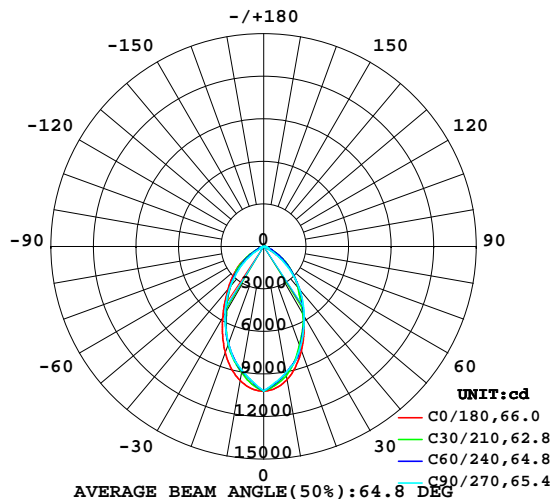


LUMINAIRE PHOTOMETRIC TEST REPORT

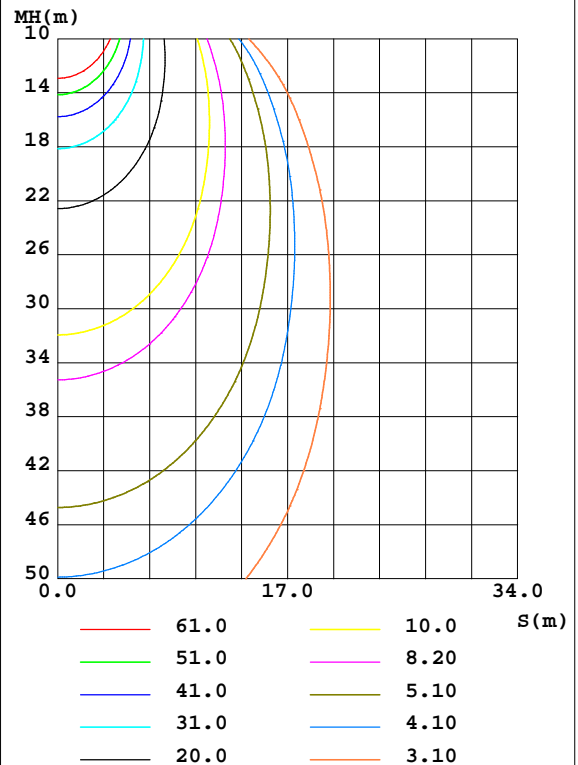
Test:U:120.16V I:0.6889A P:82.582W PF:0.9976 Freq:59.98Hz Lamp Flux:13482.5x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 163.26 lm/W			
MODEL	GHLV-14-U	Imax(cd)	10203	S/MH(C0/180)	0.94
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	0.87
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	13483	η UP,DN(C0-180)	0.0,51.1
NOMINAL FLUX(lm)	13482.5	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,48.9
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:2024-12-02

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	953.4	911.8	904.6	904.5	960.1	894.6	887.2	898.0	0- 10	908.5	908.5	6.74,6.74
20	780.8	761.0	755.3	740.5	795.4	726.4	728.7	733.6	10- 20	2336	3244	24.1,24.1
30	563.5	555.6	572.4	549.1	579.3	536.7	544.8	532.7	20- 30	2961	6205	46,46
40	383.8	389.2	394.1	386.6	391.8	376.8	366.6	370.1	30- 40	2859	9064	67.2,67.2
50	242.4	241.5	218.5	243.1	249.9	230.2	195.9	225.6	40- 50	2303	11367	84.3,84.3
60	48.97	118.6	45.68	120.2	57.47	107.0	32.67	105.0	50- 60	1426	12793	94.9,94.9
70	18.99	28.76	23.85	28.55	20.79	21.14	17.43	21.87	60- 70	513.9	13306	98.7,98.7
80	5.951	8.365	0	8.040	6.752	6.066	0	6.504	70- 80	161.4	13468	99.9,99.9
90	0.3780	0	0	0	0.4427	0	0	0	80- 90	14.66	13483	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:×10cd									UNIT: lm		

Conical surface Flux(90deg): 10307 lm

%lum = 76.4%

%lamp = 76.4%

Conical surface Flux(120deg): 12793 lm

%lum = 94.9%

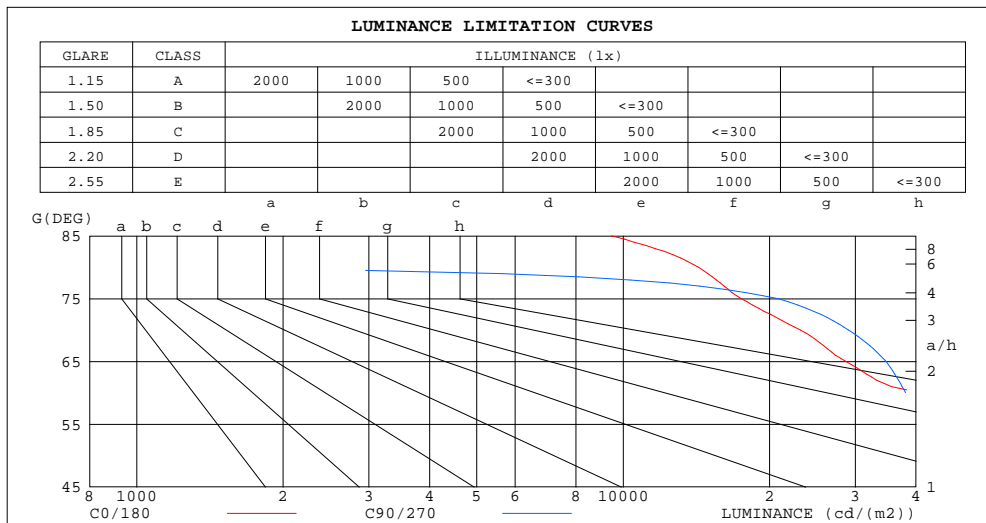
%lamp = 94.9%

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:0.6889A P:82.582W PF:0.9976 Freq:59.98Hz Lamp Flux:13482.5x1 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



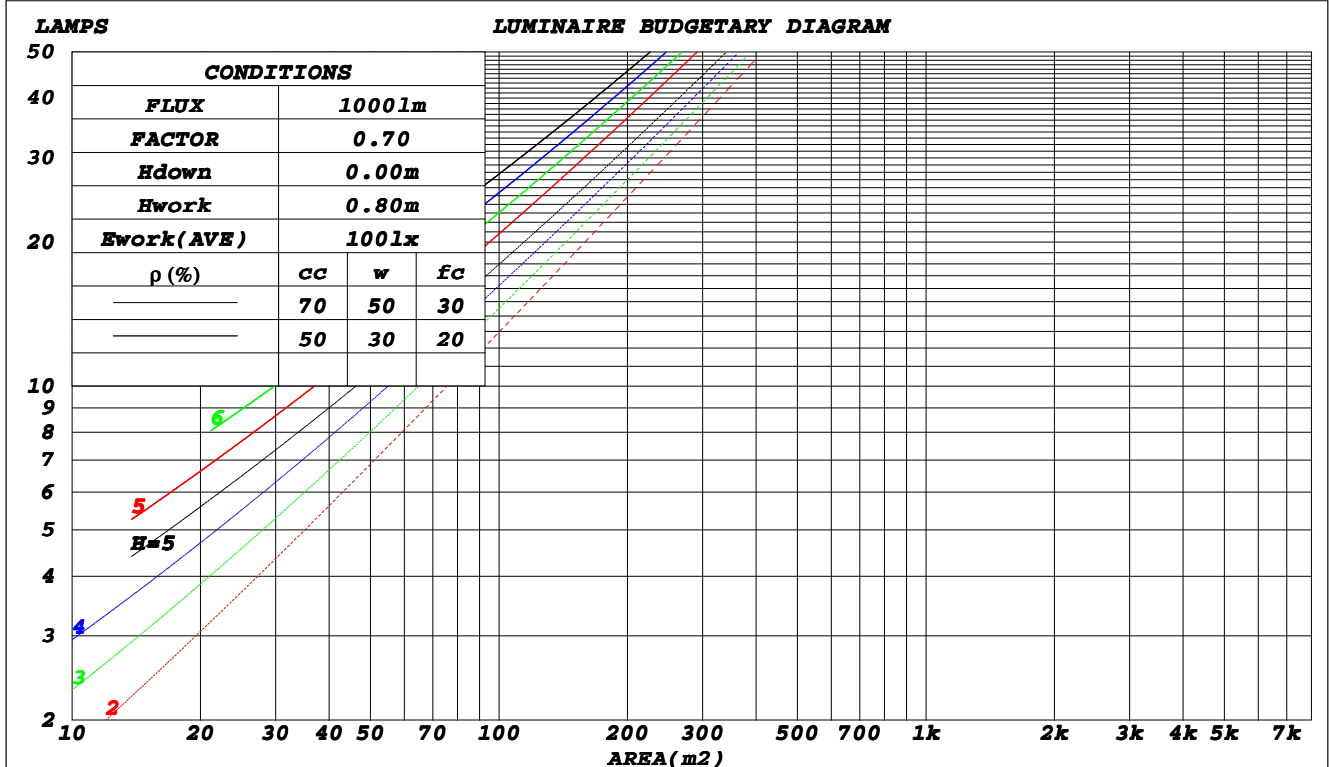
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-02

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.16V I:0.6889A P:82.582W PF:0.9976 Freq:59.98Hz Lamp Flux:13482.5x1 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						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.08	1.05	1.02	1.06	1.03	1.01	1.02	.00	.98	.98	.96	.95	.95	.93	.92	.90
2.0	.98	.93	.89	.96	.92	.88	.93	.89	.86	.90	.87	.84	.87	.84	.82	.80
3.0	.89	.83	.78	.88	.82	.77	.85	.80	.76	.82	.78	.74	.80	.76	.73	.71
4.0	.81	.74	.69	.80	.73	.68	.78	.72	.67	.75	.71	.67	.73	.69	.66	.64
5.0	.74	.67	.61	.73	.66	.61	.71	.65	.60	.69	.64	.60	.68	.63	.59	.58
6.0	.68	.61	.55	.67	.60	.55	.66	.59	.55	.64	.58	.54	.63	.58	.54	.52
7.0	.63	.55	.50	.62	.55	.50	.61	.54	.50	.59	.54	.49	.58	.53	.49	.47
8.0	.58	.51	.46	.57	.51	.46	.56	.50	.45	.55	.49	.45	.54	.49	.45	.43
9.0	.54	.47	.42	.53	.47	.42	.52	.46	.42	.51	.46	.42	.51	.45	.42	.40
10.0	.50	.44	.39	.50	.43	.39	.49	.43	.39	.48	.43	.39	.47	.42	.38	.37



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:0.6889A P:82.582W PF:0.9976 Freq:59.98Hz Lamp Flux:13482.5x1 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	.223	.127	.040	.216	.123	.039	.204	.117	.037	.192	.111	.036	.181	.105	.034		
2.0	.218	.119	.037	.212	.117	.036	.201	.112	.035	.191	.107	.034	.181	.103	.032		
3.0	.208	.111	.033	.203	.109	.033	.193	.105	.032	.184	.101	.031	.176	.098	.030		
4.0	.197	.102	.030	.193	.101	.030	.184	.098	.029	.176	.095	.029	.169	.092	.028		
5.0	.186	.095	.028	.183	.094	.027	.175	.091	.027	.168	.089	.026	.162	.086	.026		
6.0	.176	.088	.025	.173	.087	.025	.166	.085	.025	.160	.083	.024	.154	.081	.024		
7.0	.167	.082	.023	.164	.082	.023	.158	.080	.023	.152	.078	.023	.147	.076	.022		
8.0	.158	.077	.022	.155	.076	.022	.150	.075	.021	.145	.073	.021	.140	.072	.021		
9.0	.150	.073	.020	.147	.072	.020	.143	.071	.020	.138	.069	.020	.134	.068	.020		
10.0	.142	.068	.019	.140	.068	.019	.136	.067	.019	.132	.065	.019	.128	.064	.018		

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	.122	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.162	.132	.107	.139	.114	.092	.095	.079	.064	.055	.046	.038	.018	.015	.012	
3.0	.153	.114	.083	.131	.098	.072	.090	.068	.051	.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	.136	.089	.054	.117	.077	.047	.081	.054	.033	.047	.032	.020	.015	.010	.006	
6.0	.130	.080	.045	.111	.069	.039	.077	.049	.027	.045	.029	.016	.014	.009	.005	
7.0	.123	.073	.038	.106	.063	.033	.073	.044	.023	.043	.026	.014	.014	.009	.005	
8.0	.118	.067	.032	.101	.058	.028	.070	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.112	.062	.028	.097	.054	.024	.067	.038	.017	.039	.022	.010	.013	.007	.003	
10.0	.107	.058	.025	.092	.050	.022	.064	.035	.015	.037	.021	.009	.012	.007	.003	

$H(\beta)$ 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:

UGR(Unified Glare Rating) Table

Test:U:120.16V I:0.6889A P:82.582W PF:0.9976 Freq:59.98Hz Lamp Flux:13482.5x1 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	19.5	20.7	19.7	20.9	21.1	19.3	20.5	19.5	20.7	20.9
3H	19.5	20.6	19.7	20.8	21.0	19.4	20.5	19.7	20.8	21.0
4H	19.4	20.5	19.7	20.7	20.9	19.4	20.5	19.7	20.7	20.9
6H	19.3	20.3	19.7	20.6	20.9	19.3	20.3	19.6	20.6	20.8
8H	19.3	20.3	19.6	20.5	20.8	19.3	20.2	19.6	20.5	20.8
12H	19.3	20.2	19.6	20.5	20.7	19.2	20.1	19.6	20.4	20.7
4H 2H	19.7	20.7	20.0	21.0	21.2	19.5	20.6	19.8	20.8	21.0
3H	19.7	20.6	20.1	20.9	21.2	19.8	20.7	20.1	21.0	21.3
4H	19.7	20.5	20.1	20.8	21.2	19.8	20.6	20.2	20.9	21.3
6H	19.7	20.4	20.1	20.7	21.1	19.7	20.5	20.1	20.8	21.1
8H	19.6	20.3	20.0	20.7	21.0	19.7	20.4	20.1	20.7	21.1
12H	19.6	20.2	20.0	20.6	21.0	19.6	20.2	20.1	20.6	21.0
8H 4H	19.7	20.3	20.1	20.7	21.1	19.7	20.4	20.1	20.8	21.1
6H	19.7	20.2	20.1	20.6	21.0	19.7	20.2	20.1	20.6	21.0
8H	19.7	20.1	20.1	20.6	21.0	19.6	20.1	20.1	20.5	21.0
12H	19.6	20.1	20.1	20.5	21.0	19.6	20.0	20.1	20.4	20.9
12H 4H	19.6	20.2	20.0	20.6	21.0	19.7	20.3	20.1	20.7	21.1
6H	19.6	20.1	20.1	20.5	21.0	19.6	20.1	20.1	20.6	21.0
8H	19.6	20.0	20.1	20.5	21.0	19.6	20.0	20.1	20.5	20.9
Variations with the observer position at spacings:										
S = 1.0H	+ 1.0 / - 1.4					+ 0.9 / - 1.4				
1.5H	+ 0.2 / - 0.6					+ 0.4 / - 0.9				
2.0H	+ 1.5 / - 5.5					+ 2.1 / - 5.8				

CIE Pub.117, 13483 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 9.0$)
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:0.6889A P:82.582W PF:0.9976 Freq:59.98Hz Lamp Flux:13482.5x1 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

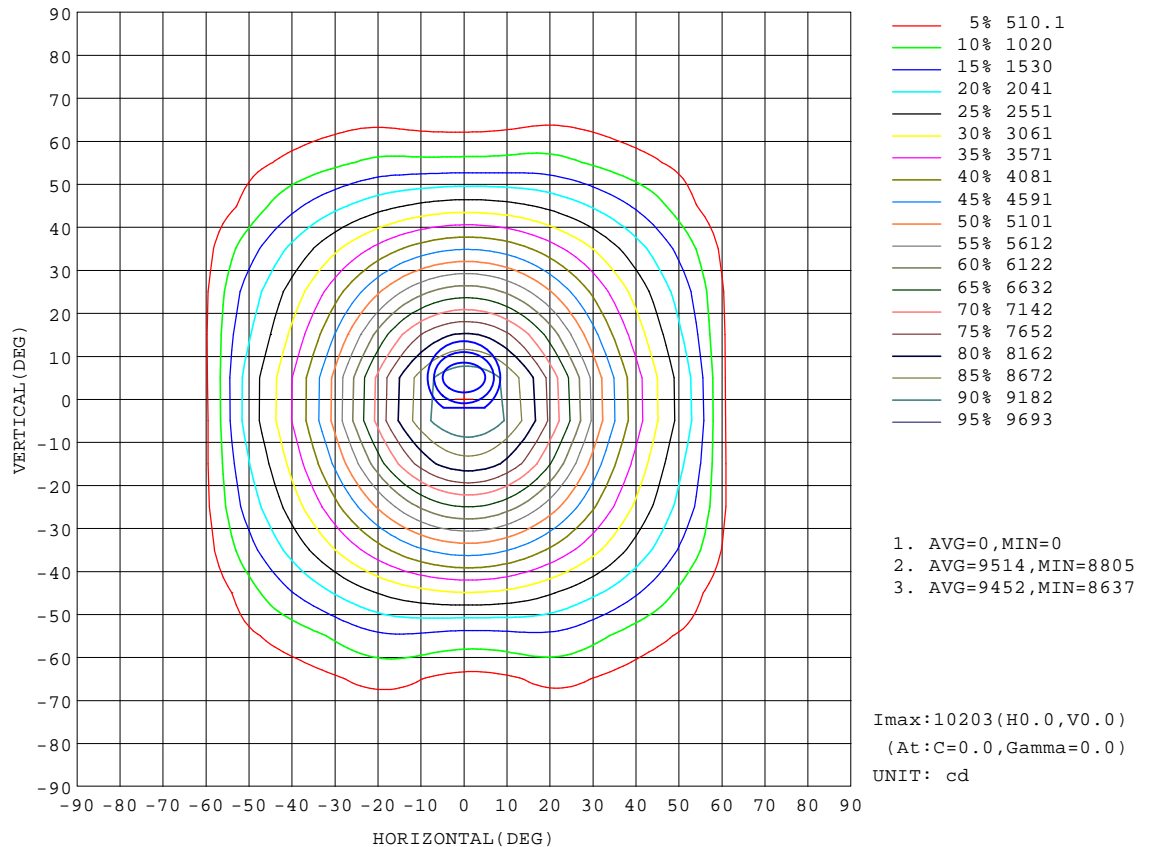
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	71	61	56	70	61	56	69	61	55	50
0.80	80	71	66	79	71	66	78	70	65	60
1.00	88	80	74	87	79	74	85	80	73	68
1.25	94	86	81	93	86	81	90	84	80	74
1.50	98	91	86	97	90	85	94	88	84	79
2.00	103	97	92	101	96	92	98	94	90	84
2.50	106	100	96	104	99	95	100	96	93	86
3.00	108	103	99	106	102	98	102	99	96	89
4.00	111	107	103	108	105	102	105	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:2024-12-02

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:0.6889A P:82.582W PF:0.9976 Freq:59.98Hz Lamp Flux:13482.5x1 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



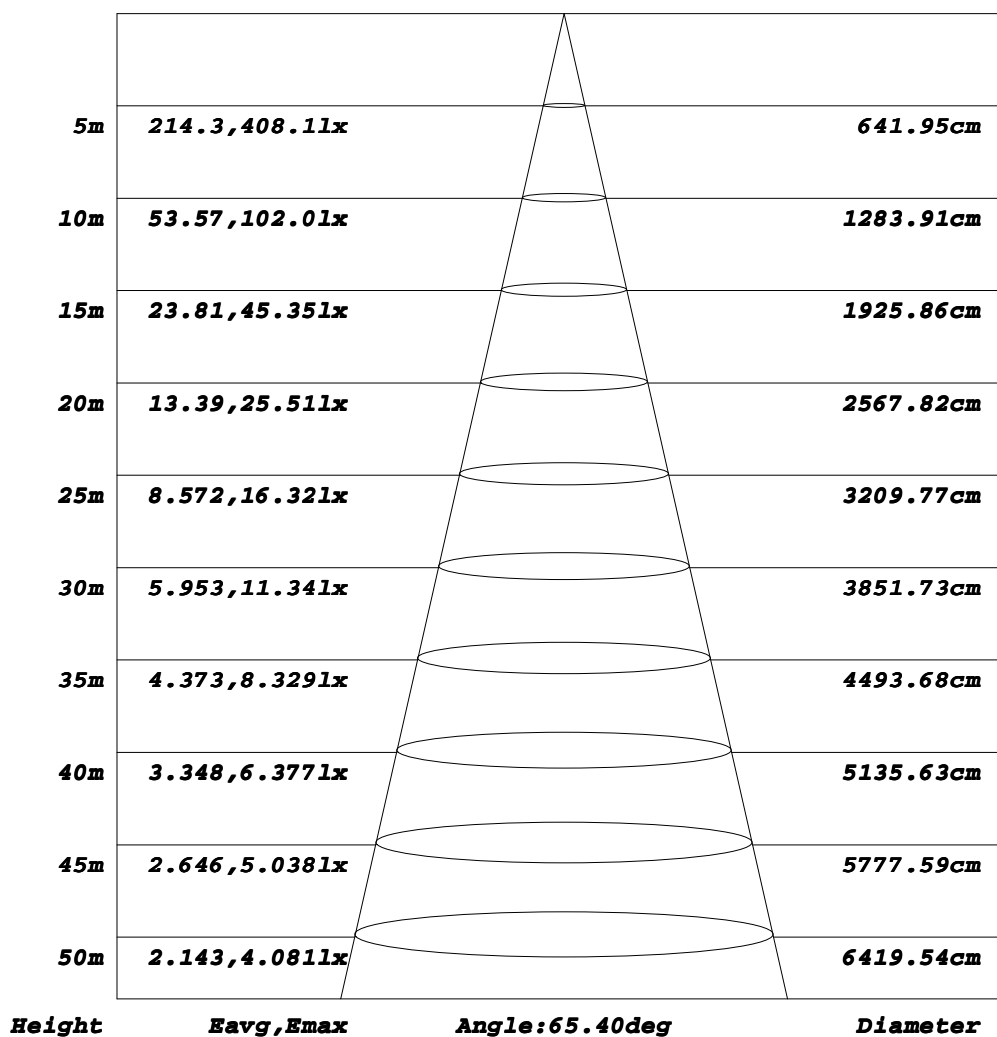
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-02

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:0.6889A P:82.582W PF:0.9976 Freq:59.98Hz Lamp Flux:13482.5x1 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:7098 lm



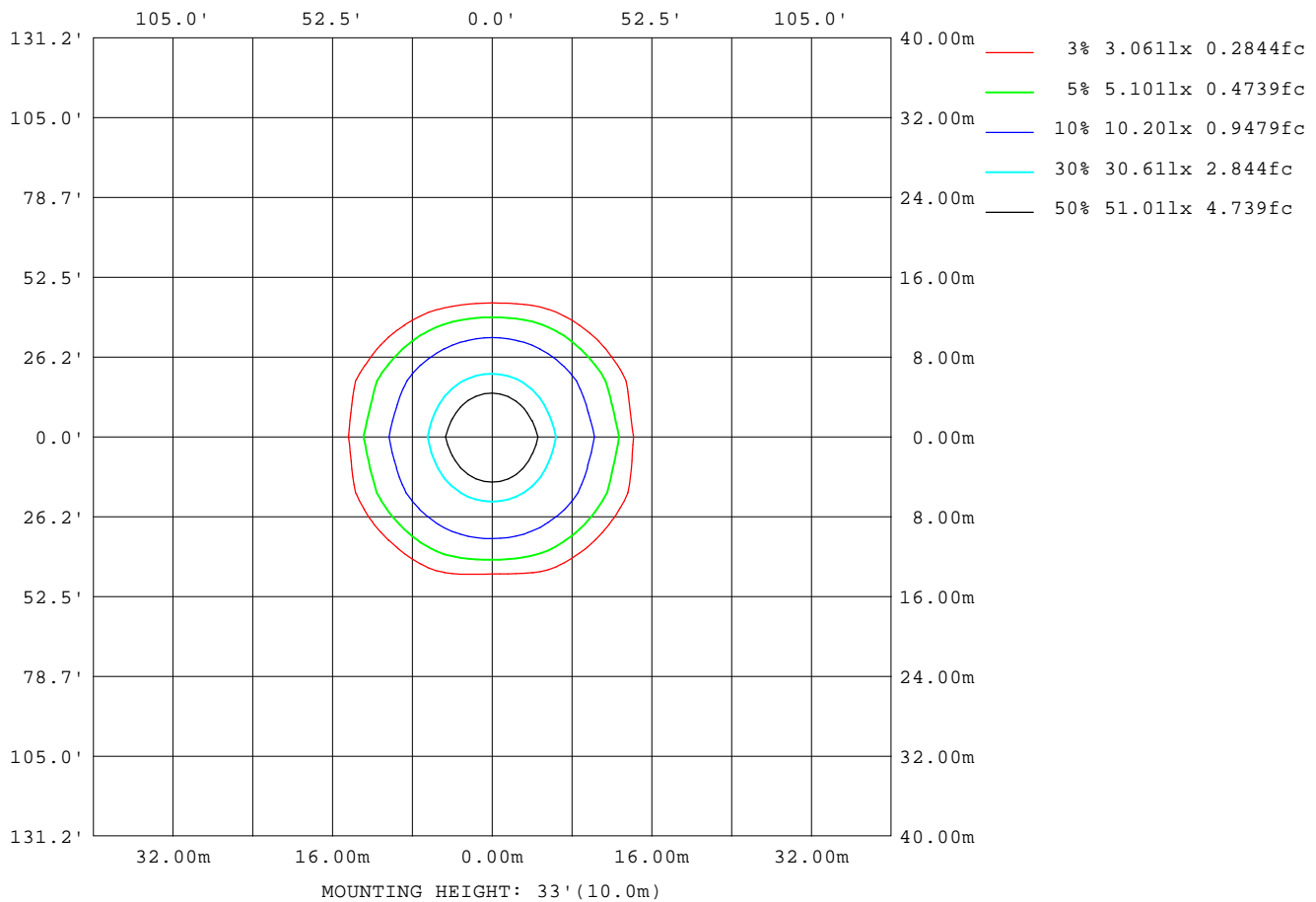
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.6889A P:82.582W PF:0.9976 Freq:59.98Hz Lamp Flux:13482.5x1 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:0.6889A P:82.582W PF:0.9976 Freq:59.98Hz Lamp Flux:13482.5x1 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

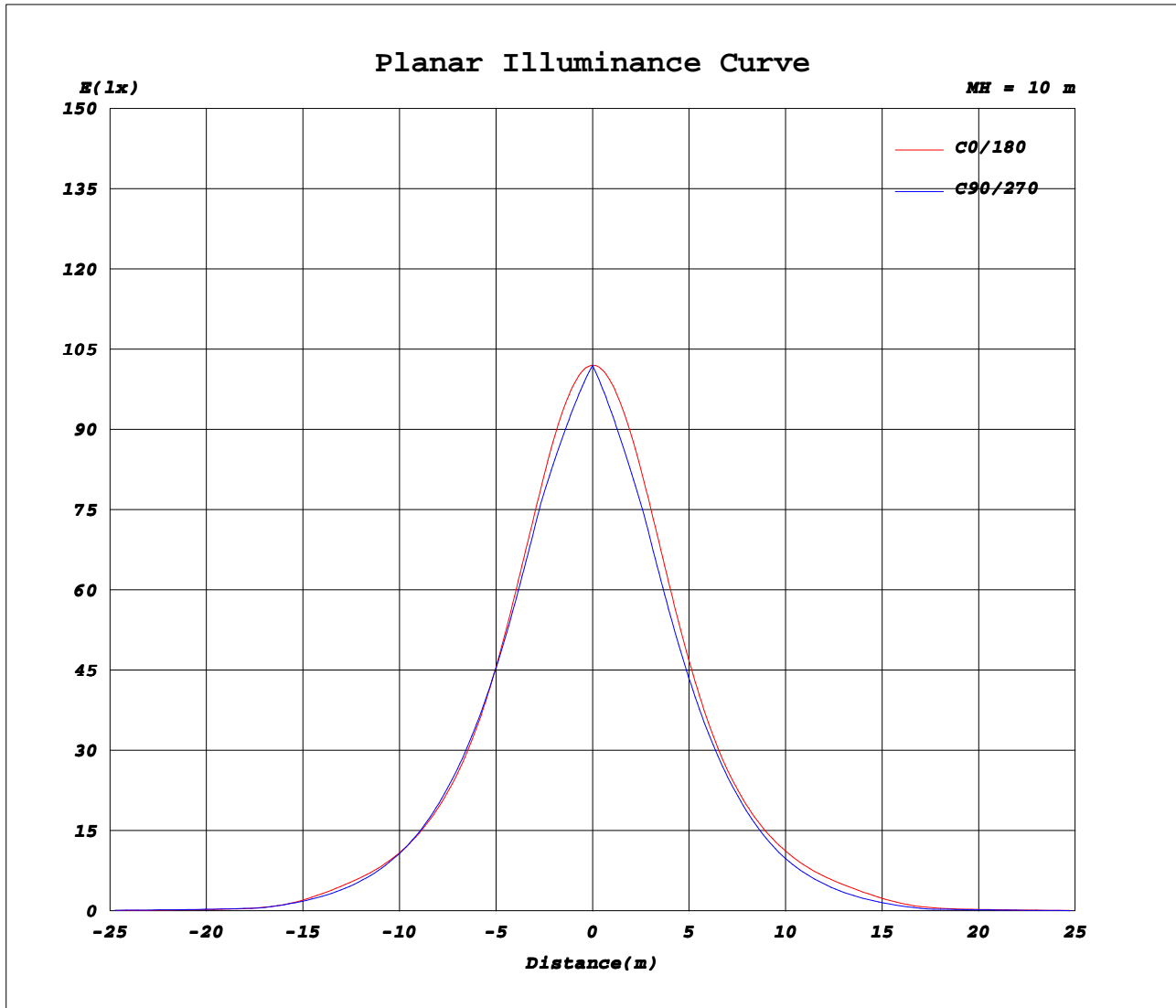
AvgL	cd/m2
L_0~180(65)av	29615
L_0~180(75)av	18378
L_0~180(85)av	10989
L_90~270(65)av	29700
L_90~270(75)av	18295
L_90~270(85)av	0
L_45(65)av	57251
L_45(75)av	25731
L_45(85)av	0

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	10203	10203	10203	10203	10203	10203	10203	10203	10203	10203
2.5	10153	10130	10107	10085	10065	10045	10027	10010	9994	9979
5.0	10023	9980	9939	9901	9866	9834	9805	9780	9755	9733
7.5	9816	9757	9705	9657	9616	9578	9544	9516	9490	9460
10.0	9534	9465	9405	9353	9311	9276	9244	9193	9150	9118
12.5	9181	9105	9042	8994	8956	8911	8866	8795	8756	8729
15.0	8768	8690	8631	8589	8550	8463	8397	8348	8316	8333
17.5	8304	8226	8174	8144	8054	7966	7903	7877	7923	7973
20.0	7808	7733	7688	7642	7524	7435	7396	7458	7532	7610
22.5	7277	7211	7182	7094	6972	6883	6949	7037	7137	7099
25.0	6727	6671	6656	6524	6401	6403	6501	6616	6567	6530
27.5	6171	6129	6118	5954	5839	5935	6058	6039	5998	5984
30.0	5635	5604	5564	5402	5369	5482	5526	5479	5469	5556
32.5	5139	5114	5041	4882	4931	5053	4989	4952	5060	5161
35.0	4671	4656	4557	4419	4520	4550	4495	4567	4686	4732
37.5	4239	4230	4106	4031	4144	4086	4091	4220	4284	4293
40.0	3838	3838	3690	3672	3731	3657	3763	3870	3879	3892
42.5	3454	3466	3294	3338	3329	3317	3459	3487	3505	3536
45.0	3087	3107	2911	3016	2948	3029	3109	3120	3167	3191
47.5	2750	2748	2589	2670	2608	2761	2767	2796	2846	2794
50.0	2424	2411	2294	2322	2346	2442	2449	2495	2460	2415
52.5	2050	2068	2009	1994	2102	2136	2162	2151	2092	2116
55.0	1543	1634	1697	1672	1833	1841	1875	1799	1815	1829
57.5	923.2	1070	1318	1381	1526	1568	1528	1521	1550	1497
60.0	489.7	587.7	809.0	1065	1188	1263	1209	1274	1226	1186
62.5	359.4	365.7	453.1	708.5	886.7	900.1	963.2	976.5	938.0	925.0
65.0	290.8	289.7	311.8	422.6	601.2	620.6	705.8	713.8	702.7	649.6
67.5	237.5	240.3	257.4	298.8	349.0	423.9	474.6	526.3	460.8	365.9
70.0	189.9	200.1	213.2	236.2	255.2	285.8	354.9	341.1	256.2	287.6
72.5	144.9	159.7	159.1	171.2	198.0	224.0	244.2	214.8	217.9	236.1
75.0	108.6	113.7	124.0	140.1	152.4	172.6	175.5	179.2	175.9	178.9
77.5	82.33	85.04	90.83	99.15	119.7	131.2	140.6	137.1	134.1	133.8
80.0	59.51	66.09	70.36	77.87	87.46	97.93	100.2	99.90	97.41	83.65
82.5	38.18	44.74	46.95	52.93	59.70	65.40	66.86	47.90	29.34	11.35
85.0	19.81	27.40	29.47	32.70	35.33	18.32	0	0	0	0
87.5	7.722	11.30	13.06	0	0	0	0	0	0	0
90.0	3.780	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	10203	10203	10203	10203	10203	10203	10203	10203	10203	10203
2.5	9965	9953	9943	9935	9927	9920	9915	9912	9912	9911
5.0	9714	9696	9679	9665	9652	9641	9632	9624	9621	9615
7.5	9431	9406	9387	9371	9358	9349	9341	9335	9333	9329
10.0	9091	9072	9059	9050	9045	9043	9043	9044	9046	9046
12.5	8713	8715	8728	8739	8748	8755	8758	8757	8754	8746
15.0	8364	8395	8424	8448	8465	8474	8476	8472	8462	8441
17.5	8024	8076	8093	8069	8050	8034	8024	8014	8008	7996
20.0	7623	7589	7568	7555	7550	7549	7549	7551	7553	7550
22.5	7067	7045	7035	7054	7075	7091	7098	7099	7094	7084
25.0	6508	6541	6581	6614	6636	6650	6654	6648	6635	6615
27.5	6049	6106	6152	6178	6180	6182	6185	6185	6180	6167
30.0	5633	5682	5682	5683	5692	5699	5711	5721	5724	5722
32.5	5198	5197	5196	5197	5228	5253	5270	5280	5277	5267
35.0	4734	4731	4757	4786	4812	4831	4841	4841	4830	4812
37.5	4304	4333	4361	4386	4388	4389	4391	4391	4385	4374
40.0	3926	3955	3949	3938	3932	3934	3935	3939	3941	3938
42.5	3565	3534	3507	3491	3494	3502	3501	3498	3494	3488
45.0	3146	3109	3097	3097	3095	3087	3075	3059	3047	3037
47.5	2742	2742	2734	2721	2707	2684	2653	2627	2616	2619
50.0	2417	2407	2389	2369	2339	2290	2235	2196	2185	2203
52.5	2112	2079	2058	2030	1984	1907	1824	1767	1755	1788
55.0	1784	1751	1747	1724	1651	1535	1417	1340	1325	1374
57.5	1461	1463	1465	1429	1327	1177	1023	917.5	890.8	952.0
60.0	1186	1188	1171	1125	1012	829.4	634.4	496.5	456.8	530.1
62.5	906.0	877.6	862.5	830.9	776.1	645.7	508.4	421.2	404.5	461.6
65.0	600.5	594.8	676.2	707.8	657.1	542.0	426.7	358.7	352.2	406.3
67.5	422.4	502.5	567.7	586.8	540.5	449.8	359.4	304.0	295.3	335.0
70.0	354.2	408.7	448.1	459.3	426.9	360.8	292.9	249.3	238.5	262.2
72.5	272.3	305.4	327.8	333.9	307.7	260.3	215.8	190.0	183.9	196.6
75.0	197.1	216.9	223.9	213.3	184.8	154.5	136.1	130.1	129.3	130.8
77.5	138.5	138.3	127.2	111.5	93.21	78.33	69.41	65.61	64.66	65.85
80.0	69.68	57.41	43.87	30.09	17.90	9.256	3.904	0.9642	0	0.9679
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-12-02

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	10203	10203	10203	10203	10203	10203	10203	10203	10203	10203
2.5	9912	9915	9921	9928	9936	9946	9959	9973	9990	10008
5.0	9615	9615	9619	9627	9636	9650	9667	9687	9713	9742
7.5	9328	9328	9328	9331	9334	9340	9350	9361	9381	9417
10.0	9045	9043	9042	9041	9041	9039	9040	9045	9050	9063
12.5	8736	8729	8722	8716	8716	8722	8721	8711	8706	8707
15.0	8421	8399	8375	8353	8336	8325	8323	8334	8347	8332
17.5	7988	7975	7962	7946	7928	7906	7888	7882	7894	7924
20.0	7544	7536	7521	7502	7479	7454	7426	7405	7400	7416
22.5	7073	7062	7053	7050	7042	7006	6967	6923	6885	6892
25.0	6593	6572	6555	6542	6533	6532	6522	6464	6410	6358
27.5	6146	6120	6087	6042	6016	6006	6005	6018	5956	5886
30.0	5709	5690	5663	5621	5567	5502	5485	5491	5509	5440
32.5	5252	5238	5228	5215	5164	5101	5029	4986	4998	5019
35.0	4790	4773	4758	4745	4733	4724	4653	4570	4513	4529
37.5	4356	4337	4311	4281	4272	4272	4284	4222	4121	4074
40.0	3929	3922	3908	3885	3852	3827	3842	3866	3802	3686
42.5	3485	3491	3503	3509	3487	3456	3416	3441	3480	3390
45.0	3037	3051	3073	3097	3116	3117	3083	3040	3074	3120
47.5	2634	2658	2677	2689	2719	2748	2768	2728	2685	2742
50.0	2245	2301	2349	2369	2365	2372	2403	2431	2394	2375
52.5	1858	1947	2025	2069	2074	2062	2047	2084	2122	2077
55.0	1475	1596	1695	1749	1772	1777	1760	1757	1795	1817
57.5	1084	1244	1371	1429	1449	1457	1477	1482	1482	1513
60.0	692.7	893.6	1055	1133	1145	1131	1155	1202	1222	1194
62.5	576.7	714.9	820.4	852.6	862.7	848.7	851.8	895.2	961.5	953.3
65.0	507.2	619.9	699.6	714.0	671.8	592.6	584.6	620.9	683.4	734.6
67.5	415.2	509.1	573.5	579.0	537.1	474.4	411.3	375.3	450.6	499.8
70.0	318.0	390.2	445.9	458.2	428.0	373.4	319.8	285.5	269.8	328.4
72.5	229.4	276.3	318.9	338.2	329.7	295.0	255.3	226.4	220.0	224.4
75.0	140.6	162.7	191.4	215.0	222.6	212.5	196.2	181.9	177.3	177.1
77.5	71.41	82.23	96.46	111.6	123.8	129.4	132.7	134.3	136.8	139.6
80.0	4.019	9.717	18.51	30.07	42.63	53.41	65.31	80.40	92.82	99.19
82.5	0	0	0	0	0	0	0	10.89	27.70	45.48
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	10203	10203	10203	10203	10203	10203	10203	10203	10203	10203
2.5	10026	10047	10069	10092	10117	10143	10169	10139	10110	10082
5.0	9774	9811	9853	9898	9947	9999	10053	9992	9934	9879
7.5	9458	9509	9567	9630	9701	9779	9864	9771	9684	9604
10.0	9080	9138	9208	9290	9383	9487	9601	9477	9362	9259
12.5	8716	8733	8795	8892	9005	9134	9277	9122	8982	8858
15.0	8324	8325	8341	8435	8566	8719	8892	8706	8541	8397
17.5	7910	7891	7887	7927	8073	8246	8446	8232	8045	7886
20.0	7457	7438	7415	7412	7540	7731	7954	7716	7512	7368
22.5	6923	6978	6930	6906	6983	7185	7426	7170	6952	6861
25.0	6380	6431	6445	6400	6418	6629	6884	6614	6387	6352
27.5	5837	5879	5958	5901	5870	6075	6341	6060	5839	5852
30.0	5352	5339	5413	5413	5363	5524	5793	5509	5333	5365
32.5	4918	4827	4891	4951	4886	5003	5268	4989	4856	4904
35.0	4519	4413	4405	4505	4447	4522	4782	4508	4419	4459
37.5	4100	4037	3955	4050	4041	4078	4335	4064	4013	4007
40.0	3675	3691	3583	3628	3664	3664	3918	3649	3635	3585
42.5	3281	3318	3254	3230	3309	3279	3533	3267	3281	3187
45.0	2986	2948	2946	2854	2978	2916	3174	2902	2953	2817
47.5	2735	2594	2641	2536	2632	2593	2827	2578	2603	2498
50.0	2449	2339	2309	2265	2299	2288	2499	2275	2267	2228
52.5	2087	2117	1992	2002	1953	1955	2168	1954	1941	1978
55.0	1758	1837	1711	1715	1526	1515	1713	1535	1558	1717
57.5	1501	1470	1466	1294	1026	998.5	1096	1030	1088	1334
60.0	1221	1143	1162	849.0	670.1	590.1	574.7	613.9	717.3	898.7
62.5	874.8	878.0	755.4	556.7	440.7	386.6	382.7	394.9	461.9	590.8
65.0	637.4	585.2	475.8	409.7	324.5	303.0	309.9	303.8	328.6	425.4
67.5	491.3	356.4	349.9	284.0	246.0	241.2	254.7	240.6	246.4	285.1
70.0	327.3	289.3	240.8	206.7	192.6	190.4	207.9	188.6	191.3	205.3
72.5	233.4	213.9	187.6	173.9	160.6	143.0	159.6	141.3	159.4	171.2
75.0	178.5	166.0	148.9	126.7	116.4	114.1	119.7	112.5	114.9	123.6
77.5	135.1	128.2	110.4	100.8	89.62	87.95	90.86	86.16	86.69	96.86

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	101.4	92.62	81.95	68.42	63.56	60.95	67.52	59.26	59.90	63.78
82.5	60.66	63.45	58.27	49.46	45.27	40.94	45.84	39.45	41.85	44.40
85.0	0	16.68	31.96	33.03	27.26	22.25	26.16	20.84	24.68	27.85
87.5	0	0	0	0	10.35	10.01	11.70	9.681	9.740	0
90.0	0	0	0	0	0	0	4.427	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	10203	10203	10203	10203	10203	10203	10203	10203	10203	10203
2.5	10055	10030	10007	9985	9965	9945	9928	9914	9902	9892
5.0	9827	9780	9737	9699	9664	9634	9608	9587	9569	9556
7.5	9532	9465	9406	9356	9312	9284	9265	9248	9235	9226
10.0	9166	9086	9017	8988	8964	8946	8930	8919	8911	8903
12.5	8749	8674	8644	8621	8606	8596	8591	8578	8560	8549
15.0	8290	8261	8245	8237	8236	8208	8182	8166	8160	8161
17.5	7832	7820	7823	7822	7778	7750	7737	7736	7741	7741
20.0	7355	7362	7365	7309	7276	7264	7272	7282	7291	7296
22.5	6868	6897	6826	6778	6755	6781	6811	6835	6851	6842
25.0	6379	6349	6281	6242	6282	6326	6369	6365	6348	6338
27.5	5892	5796	5735	5774	5835	5884	5860	5846	5838	5842
30.0	5347	5256	5256	5333	5393	5367	5349	5351	5390	5417
32.5	4828	4747	4829	4921	4891	4869	4900	4952	4988	5007
35.0	4344	4341	4440	4443	4419	4460	4527	4578	4560	4541
37.5	3899	3972	4030	4000	4037	4119	4158	4123	4098	4078
40.0	3529	3635	3615	3621	3725	3768	3712	3671	3670	3675
42.5	3203	3266	3227	3331	3410	3339	3281	3287	3292	3286
45.0	2906	2905	2936	3066	2996	2934	2936	2934	2909	2866
47.5	2613	2571	2692	2679	2600	2610	2607	2553	2501	2449
50.0	2284	2325	2419	2305	2296	2302	2237	2167	2132	2108
52.5	1975	2107	2052	2002	2011	1950	1877	1849	1826	1787
55.0	1716	1823	1703	1729	1675	1613	1590	1559	1514	1453
57.5	1489	1452	1426	1404	1352	1341	1309	1245	1188	1121
60.0	1197	1114	1127	1060	1099	1070	998.2	928.5	878.1	805.4
62.5	782.4	839.1	770.7	833.4	851.2	777.4	702.3	643.2	585.6	509.1
65.0	486.1	547.2	542.5	632.3	589.8	514.5	437.2	390.5	427.2	435.3
67.5	348.2	324.2	415.4	419.9	373.0	278.9	285.3	317.7	347.7	361.0
70.0	234.3	261.8	277.9	267.5	208.8	211.4	226.7	254.6	280.6	288.9
72.5	179.2	192.4	195.6	177.0	170.7	170.8	183.1	203.8	219.1	217.5
75.0	139.6	144.8	146.9	140.2	137.4	137.2	142.5	150.8	152.9	144.9
77.5	100.9	108.8	110.6	109.5	105.4	101.4	98.62	97.26	89.75	79.28
80.0	73.05	77.36	81.27	76.33	70.99	60.66	49.18	40.37	30.95	21.37
82.5	49.68	50.82	46.83	34.34	21.16	8.226	0	0	0	0
85.0	24.77	12.91	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	10203	10203	10203	10203	10203	10203	10203	10203	10203	10203
2.5	9883	9876	9871	9869	9870	9870	9873	9878	9886	9895
5.0	9545	9538	9535	9533	9536	9539	9547	9557	9569	9584
7.5	9217	9212	9207	9204	9204	9205	9209	9218	9229	9246
10.0	8896	8890	8884	8878	8872	8867	8864	8865	8870	8880
12.5	8544	8542	8542	8542	8541	8538	8535	8532	8529	8523
15.0	8169	8181	8192	8202	8210	8210	8209	8206	8199	8186
17.5	7743	7747	7750	7749	7748	7745	7748	7754	7765	7779
20.0	7299	7303	7301	7296	7287	7276	7269	7265	7264	7269
22.5	6831	6826	6827	6828	6828	6823	6818	6807	6792	6771
25.0	6335	6338	6347	6358	6369	6372	6373	6368	6357	6337
27.5	5865	5882	5894	5904	5908	5906	5904	5904	5906	5908
30.0	5435	5445	5451	5452	5448	5438	5431	5426	5425	5423
32.5	4996	4994	4994	4999	5002	4999	4993	4984	4968	4946
35.0	4531	4530	4535	4546	4557	4562	4564	4564	4555	4538
37.5	4084	4093	4100	4108	4112	4114	4117	4126	4135	4142
40.0	3675	3674	3672	3670	3666	3664	3666	3675	3687	3703
42.5	3263	3241	3226	3222	3221	3225	3234	3246	3256	3267
45.0	2828	2799	2778	2773	2775	2788	2807	2834	2860	2881
47.5	2418	2396	2377	2368	2367	2378	2403	2439	2476	2512
50.0	2067	2023	1987	1967	1959	1970	2004	2055	2111	2157
52.5	1719	1648	1591	1560	1551	1566	1612	1681	1754	1807
55.0	1367	1273	1195	1153	1143	1162	1223	1316	1416	1487
57.5	1021	900.5	802.2	748.0	734.7	761.0	839.8	959.2	1083	1175
60.0	682.0	531.5	410.6	343.8	326.7	360.7	460.1	608.9	752.7	852.1
62.5	456.9	378.7	319.0	292.5	288.5	303.9	357.1	445.6	522.5	542.6
65.0	399.3	334.8	280.3	255.0	250.3	260.1	301.8	376.1	445.2	464.8
67.5	334.6	280.7	235.5	215.5	212.3	221.4	255.4	314.3	368.7	388.4
70.0	264.4	221.3	188.8	175.8	174.3	182.6	209.5	254.4	293.2	306.5

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]

72.5	195.3	164.9	144.4	136.9	136.1	140.8	157.0	187.0	215.5	226.8
75.0	126.6	108.7	100.0	97.90	97.98	98.76	102.8	116.2	136.3	151.5
77.5	67.24	57.20	51.66	49.41	48.99	49.82	52.72	59.93	71.32	83.35
80.0	12.91	6.755	2.905	0.7261	0	0.7323	2.966	7.083	13.69	22.46
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	10203	10203	10203	10203	10203	10203	10203	10203	10203	10203
2.5	9905	9917	9931	9948	9966	9985	10005	10026	10049	10074
5.0	9601	9622	9644	9668	9696	9727	9759	9795	9834	9877
7.5	9266	9292	9323	9359	9398	9434	9472	9517	9566	9620
10.0	8895	8914	8942	8980	9025	9081	9147	9194	9244	9303
12.5	8518	8515	8526	8556	8598	8654	8723	8807	8872	8930
15.0	8170	8155	8138	8124	8127	8180	8251	8340	8450	8514
17.5	7803	7793	7761	7730	7705	7688	7741	7831	7945	8062
20.0	7281	7302	7335	7336	7290	7250	7221	7291	7408	7555
22.5	6754	6767	6792	6830	6875	6813	6763	6735	6854	7006
25.0	6307	6273	6248	6277	6322	6382	6309	6250	6281	6434
27.5	5886	5847	5799	5746	5771	5824	5860	5776	5719	5865
30.0	5424	5429	5390	5327	5257	5279	5339	5323	5251	5317
32.5	4946	4953	4961	4937	4855	4769	4821	4898	4815	4803
35.0	4515	4492	4504	4516	4489	4395	4343	4413	4411	4343
37.5	4126	4103	4082	4089	4099	4054	3950	3963	4037	3954
40.0	3724	3734	3717	3701	3703	3711	3626	3547	3631	3598
42.5	3294	3326	3368	3355	3336	3335	3333	3218	3241	3265
45.0	2894	2916	2965	3017	3004	2990	3000	2938	2870	2947
47.5	2540	2561	2573	2628	2690	2676	2671	2677	2540	2614
50.0	2196	2236	2253	2256	2320	2380	2361	2364	2282	2279
52.5	1853	1902	1951	1962	1962	2040	2071	2054	2040	1943
55.0	1527	1563	1616	1677	1685	1690	1776	1758	1763	1583
57.5	1227	1261	1291	1352	1417	1404	1421	1476	1421	1261
60.0	918.5	973.9	1012	1050	1110	1150	1094	1157	1062	956.0
62.5	599.8	663.8	732.0	795.1	836.9	865.9	835.5	788.6	780.9	630.1
65.0	437.2	387.2	437.7	537.7	617.8	621.5	591.0	528.0	526.2	380.9
67.5	369.9	329.3	281.5	280.2	399.2	454.4	395.6	357.4	312.0	276.1
70.0	295.2	270.2	238.1	218.7	215.5	293.3	299.3	248.8	233.3	218.6
72.5	220.3	204.9	188.1	181.5	182.2	185.6	210.3	197.0	180.4	159.1
75.0	156.0	149.0	141.7	141.4	146.0	153.0	152.5	149.8	136.4	129.1
77.5	93.77	99.70	102.3	105.7	109.6	115.1	119.8	111.4	104.3	90.35
80.0	32.30	41.54	52.21	65.04	76.32	80.87	82.40	81.89	74.10	69.36
82.5	0	0	0	8.825	22.88	37.53	51.74	53.04	49.79	46.41
85.0	0	0	0	0	0	0	0	14.52	28.51	27.93
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	10203	10203								
2.5	10099	10126								
5.0	9923	9972								
7.5	9679	9745								
10.0	9371	9448								
12.5	9000	9083								
15.0	8581	8665								
17.5	8119	8199								
20.0	7630	7704								
22.5	7123	7182								
25.0	6595	6641								
27.5	6058	6099								
30.0	5507	5575								
32.5	4988	5087								
35.0	4507	4630								
37.5	4057	4205								
40.0	3643	3814								
42.5	3249	3442								
45.0	2873	3087								
47.5	2559	2733								
50.0	2268	2396								
52.5	1964	2039								
55.0	1615	1580								
57.5	1201	1027								
60.0	742.0	568.1								
62.5	428.6	361.3								

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	299.5	285.6
67.5	246.4	236.3
70.0	204.4	196.8
72.5	151.6	156.9
75.0	117.6	111.9
77.5	86.96	83.96
80.0	67.18	65.09
82.5	43.91	43.58
85.0	26.57	26.21
87.5	11.44	10.97
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: