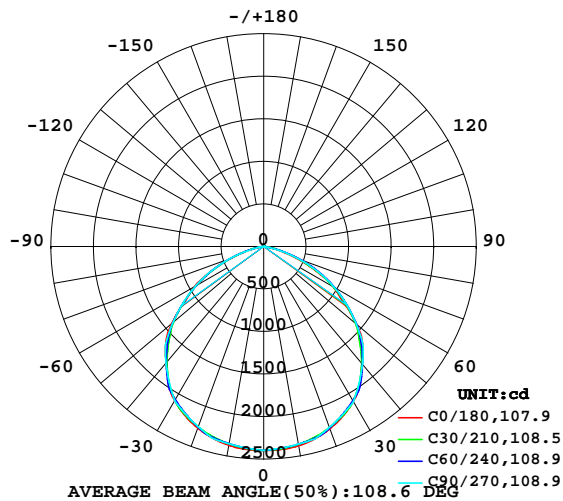


LUMINAIRE PHOTOMETRIC TEST REPORT

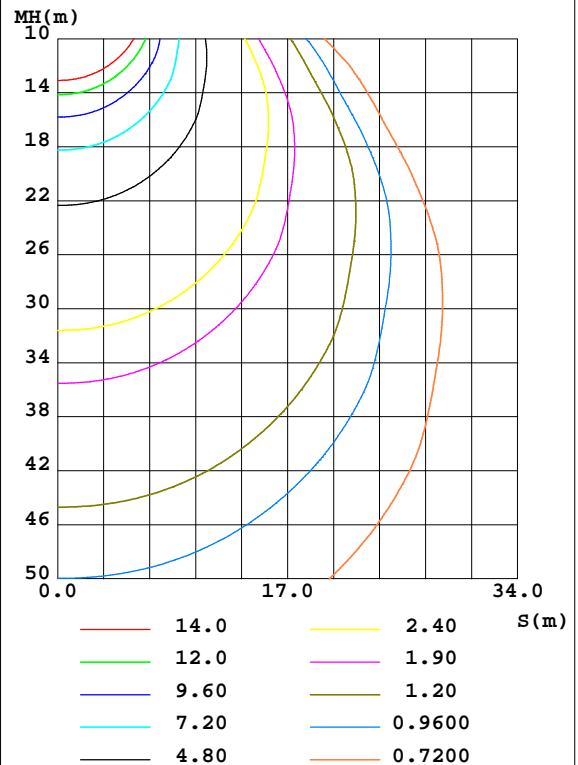
Test:U:120.30V I:0.3554A P:42.635W PF:0.9973 Freq:59.98Hz Lamp Flux:6306.09x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K	DIM.: 120mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 147.91 lm/W			
MODEL	GHRM-07-U	Imax(cd)	2398	S/MH(C0/180)	1.29
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	6306.1	η UP,DN(C0-180)	0.0,50.3
NOMINAL FLUX(lm)	6306.09	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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

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

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2378	2359	2359	2357	2373	2354	2355	2357	0- 10	226.7	226.7	3.6,3.6
20	2280	2279	2263	2276	2272	2269	2254	2275	10- 20	656.3	883.1	14,14
30	2106	2086	2109	2081	2094	2071	2095	2082	20- 30	1007	1890	30,30
40	1802	1817	1808	1812	1786	1796	1788	1811	30- 40	1223	3113	49.4,49.4
50	1431	1416	1424	1404	1415	1382	1395	1395	40- 50	1243	4356	69.1,69.1
60	939.8	945.9	957.6	928.2	931.9	902.9	916.8	915.6	50- 60	1044	5400	85.6,85.6
70	402.8	446.4	458.5	417.8	397.6	400.7	423.8	407.3	60- 70	668.7	6069	96.2,96.2
80	55.01	63.07	0	47.65	55.96	45.35	0	45.01	70- 80	227.2	6296	99.8,99.8
90	1.185	0	0	0	1.246	0	0	0	80- 90	10.03	6306	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): 3744.4 lm

%lum = 59.4%

%lamp = 59.4%

Conical surface Flux(120deg): 5400.2 lm

%lum = 85.6%

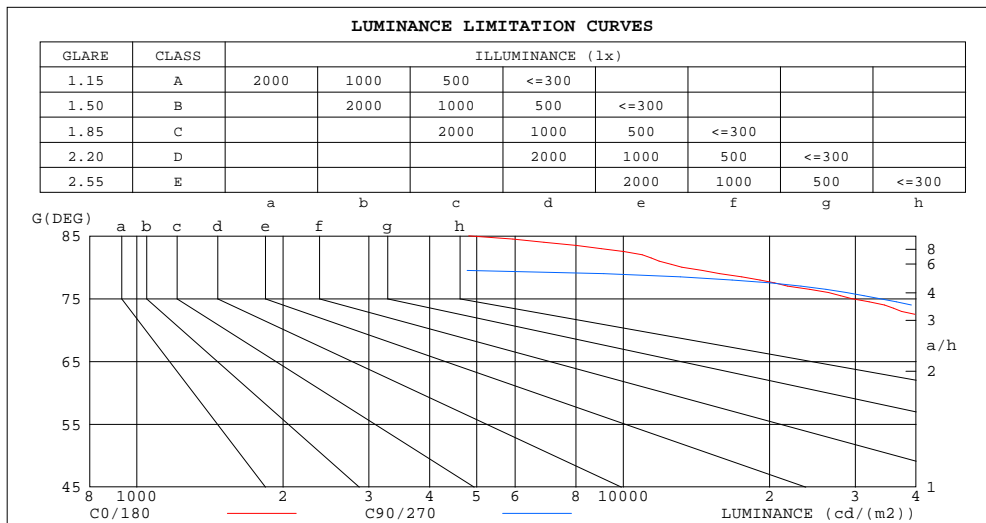
%lamp = 85.6%

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

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

LUMINANCE LIMITATION CURVES

Test:U:120.30V I:0.3554A P:42.635W PF:0.9973 Freq:59.98Hz Lamp Flux:6306.09x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K	DIM.: 120mm	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	4812	0
80	13201	0
75	29475	33629
70	49065	55852
65	65977	69806
60	78316	79800
55	83178	86498
50	92729	92297
45	97021	97638

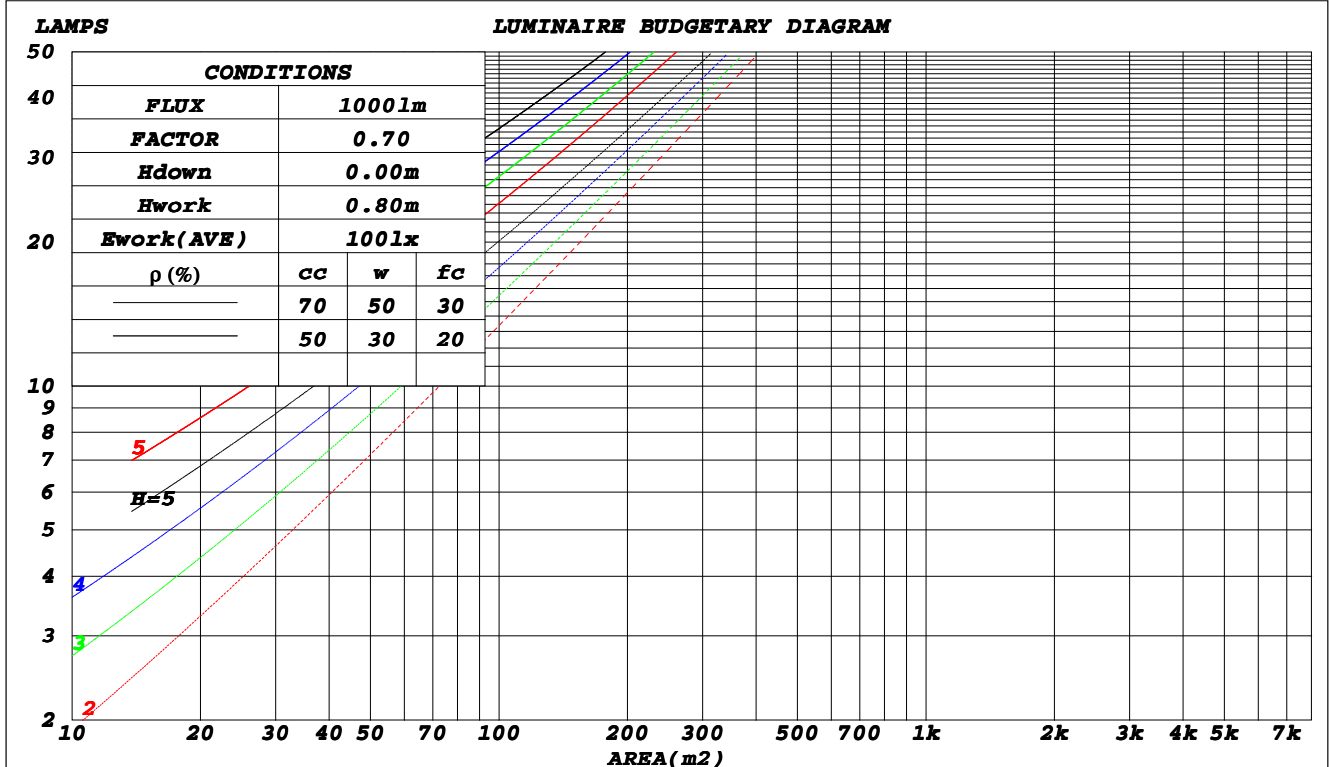
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-21

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

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.30V I:0.3554A P:42.635W PF:0.9973 Freq:59.98Hz Lamp Flux:6306.09x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K	DIM.: 120mm	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	1.06	1.02	.99	1.04	1.00	.97	.99	.97	.94	.96	.93	.91	.92	.90	.89	.87
2.0	.93	.87	.82	.91	.86	.81	.88	.83	.79	.85	.81	.77	.82	.78	.76	.73
3.0	.82	.75	.69	.81	.74	.68	.78	.72	.67	.75	.70	.66	.73	.68	.65	.63
4.0	.73	.65	.59	.72	.64	.58	.70	.63	.58	.67	.61	.57	.65	.60	.56	.54
5.0	.66	.57	.51	.65	.57	.50	.63	.55	.50	.61	.54	.49	.59	.53	.49	.47
6.0	.59	.51	.44	.58	.50	.44	.57	.49	.44	.55	.48	.43	.53	.48	.43	.41
7.0	.54	.45	.39	.53	.45	.39	.51	.44	.39	.50	.43	.39	.49	.43	.38	.36
8.0	.49	.41	.35	.48	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.34	.32
9.0	.45	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.41	.35	.31	.29
10.0	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26



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

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

WEC AND CCEC

Test:U:120.30V I:0.3554A P:42.635W PF:0.9973 Freq:59.98Hz Lamp Flux:6306.09x1 lm					
NAME: LED Explosion-proof Light			TYPE:Flood Light		WEIGHT:N/A
SPEC.:40W/5000K			DIM.: 120mm		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	.270	.154	.049	.263	.150	.048	.250	.144	.046	.238	.137	.044	.227	.132	.042		
2.0	.264	.145	.044	.258	.142	.044	.247	.137	.043	.236	.132	.041	.226	.128	.040		
3.0	.250	.133	.040	.245	.131	.039	.234	.127	.039	.225	.123	.038	.216	.120	.037		
4.0	.234	.122	.036	.229	.120	.035	.220	.117	.035	.212	.114	.034	.204	.111	.034		
5.0	.219	.112	.032	.215	.110	.032	.207	.108	.032	.199	.105	.031	.192	.103	.031		
6.0	.205	.103	.029	.201	.102	.029	.194	.099	.029	.187	.097	.029	.181	.095	.028		
7.0	.192	.095	.027	.188	.094	.027	.182	.092	.027	.176	.090	.026	.171	.089	.026		
8.0	.180	.088	.025	.177	.087	.025	.171	.086	.024	.166	.084	.024	.161	.083	.024		
9.0	.169	.082	.023	.167	.081	.023	.162	.080	.023	.157	.079	.022	.152	.077	.022		
10.0	.160	.077	.021	.157	.076	.021	.153	.075	.021	.148	.074	.021	.144	.073	.021		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.178	.156	.137	.152	.134	.118	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.169	.132	.101	.144	.114	.088	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.161	.114	.077	.138	.098	.067	.095	.068	.047	.055	.040	.028	.018	.013	.009	
4.0	.153	.101	.061	.131	.087	.053	.090	.061	.037	.052	.036	.022	.017	.012	.007	
5.0	.146	.090	.049	.125	.078	.043	.086	.054	.030	.050	.032	.018	.016	.010	.006	
6.0	.139	.082	.040	.120	.071	.035	.083	.050	.025	.048	.029	.015	.015	.010	.005	
7.0	.133	.075	.034	.114	.065	.030	.079	.045	.021	.046	.027	.013	.015	.009	.004	
8.0	.127	.069	.029	.109	.060	.026	.075	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.121	.064	.026	.104	.056	.022	.072	.039	.016	.042	.023	.010	.014	.008	.003	
10.0	.115	.060	.023	.099	.052	.020	.069	.037	.014	.040	.022	.008	.013	.007	.003	

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

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

UGR(Unified Glare Rating) Table

Test:U:120.30V I:0.3554A P:42.635W PF:0.9973 Freq:59.98Hz Lamp Flux:6306.09x1 lm										
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:40W/5000K					DIM.: 120mm			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	21.9	23.3	22.1	23.5	23.7	22.1	23.5	22.4	23.7	23.9
3H	22.7	24.1	23.0	24.3	24.5	23.1	24.4	23.4	24.6	24.9
4H	22.9	24.1	23.2	24.4	24.6	23.2	24.5	23.5	24.7	25.0
6H	22.8	24.0	23.2	24.3	24.6	23.2	24.4	23.5	24.6	24.9
8H	22.8	23.9	23.1	24.2	24.5	23.1	24.3	23.5	24.5	24.8
12H	22.7	23.8	23.1	24.1	24.4	23.1	24.2	23.4	24.5	24.8
4H 2H	22.4	23.6	22.7	23.9	24.1	22.5	23.8	22.8	24.0	24.3
3H	23.3	24.4	23.7	24.7	25.0	23.7	24.8	24.0	25.0	25.3
4H	23.5	24.5	23.9	24.8	25.2	23.9	24.9	24.3	25.2	25.5
6H	23.5	24.4	23.9	24.8	25.1	23.8	24.7	24.2	25.1	25.4
8H	23.5	24.3	23.9	24.7	25.1	23.8	24.6	24.2	25.0	25.4
12H	23.5	24.2	23.9	24.6	25.0	23.8	24.5	24.2	24.9	25.3
8H 4H	23.6	24.4	24.0	24.8	25.2	23.9	24.7	24.3	25.1	25.5
6H	23.6	24.3	24.1	24.7	25.1	23.9	24.6	24.3	25.0	25.4
8H	23.6	24.2	24.1	24.6	25.1	23.9	24.5	24.3	24.9	25.3
12H	23.6	24.1	24.1	24.6	25.0	23.8	24.3	24.3	24.8	25.3
12H 4H	23.6	24.3	24.0	24.7	25.1	23.9	24.6	24.3	25.0	25.4
6H	23.6	24.2	24.1	24.6	25.1	23.9	24.5	24.3	24.9	25.3
8H	23.6	24.1	24.1	24.6	25.0	23.8	24.3	24.3	24.8	25.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				
1.5H	+ 0.3 / - 0.5					+ 0.2 / - 0.6				
2.0H	+ 0.5 / - 0.4					+ 0.5 / - 0.5				

CIE Pub.117, 6306 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 6.4$)
Area: 0.024 m²

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

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

UTILIZATION FACTORS TABLE

Test:U:120.30V I:0.3554A P:42.635W PF:0.9973 Freq:59.98Hz Lamp Flux:6306.09x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K	DIM.: 120mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

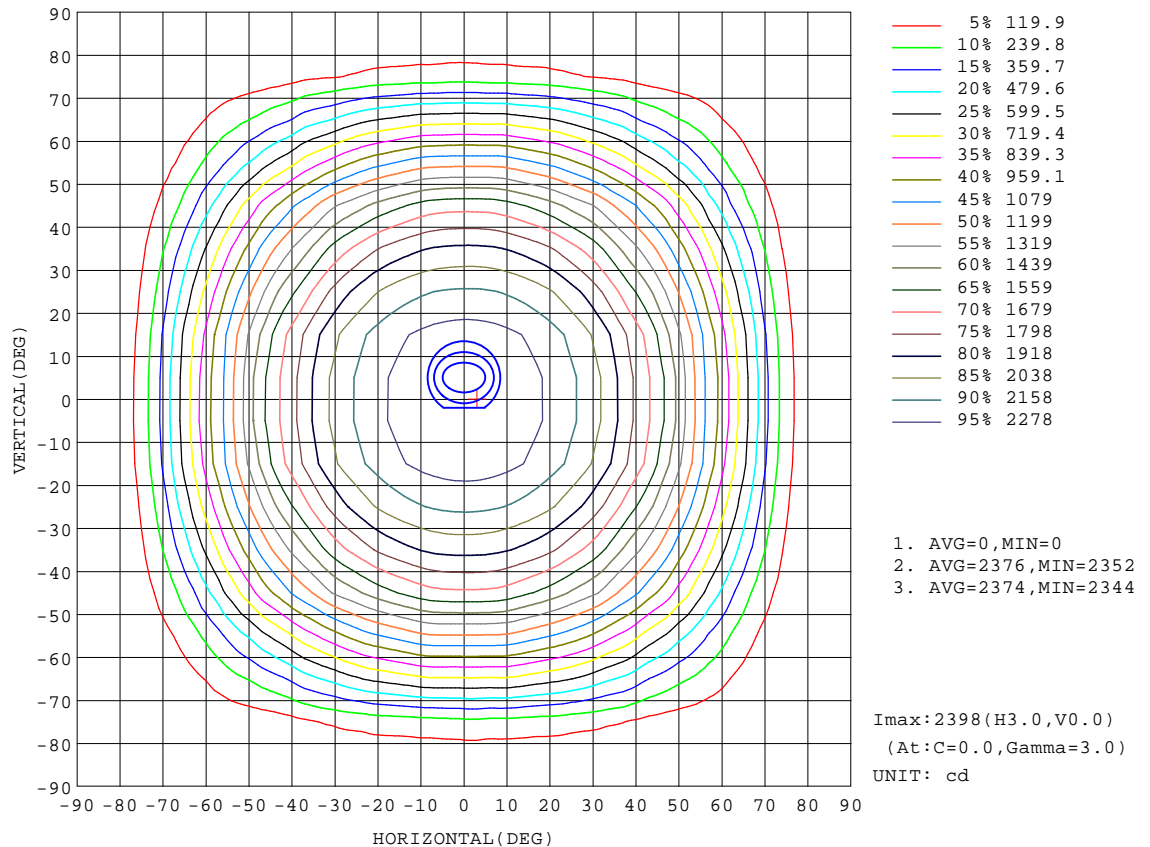
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	60	49	42	59	48	42	58	48	42	35
0.80	70	59	52	69	59	52	68	58	52	45
1.00	79	69	62	78	68	62	76	69	61	54
1.25	86	76	70	85	76	70	82	74	69	62
1.50	91	82	76	89	81	75	87	79	74	67
2.00	98	90	84	96	89	83	93	87	82	75
2.50	101	94	89	99	93	88	96	90	86	78
3.00	104	98	93	102	97	92	98	94	90	82
4.00	108	103	99	106	101	98	102	98	95	86
5.00	110	106	102	108	104	101	103	100	98	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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

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

ISOCANDELA DIAGRAM

Test:U:120.30V I:0.3554A P:42.635W PF:0.9973 Freq:59.98Hz Lamp Flux:6306.09x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K	DIM.: 120mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



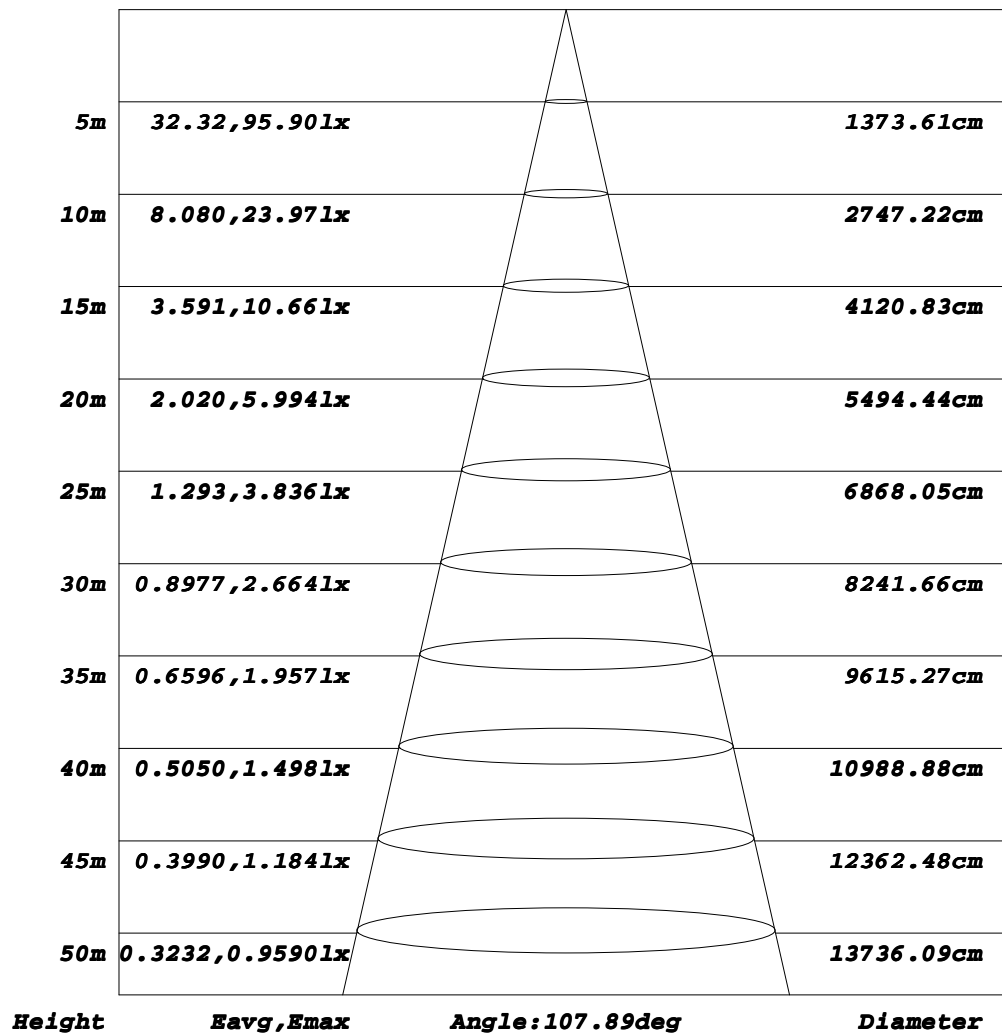
H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessy
Test Date: 2024-11-21

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

AAI Figure

Test:U:120.30V I:0.3554A P:42.635W PF:0.9973 Freq:59.98Hz Lamp Flux:6306.09x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K	DIM.: 120mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:4809 lm



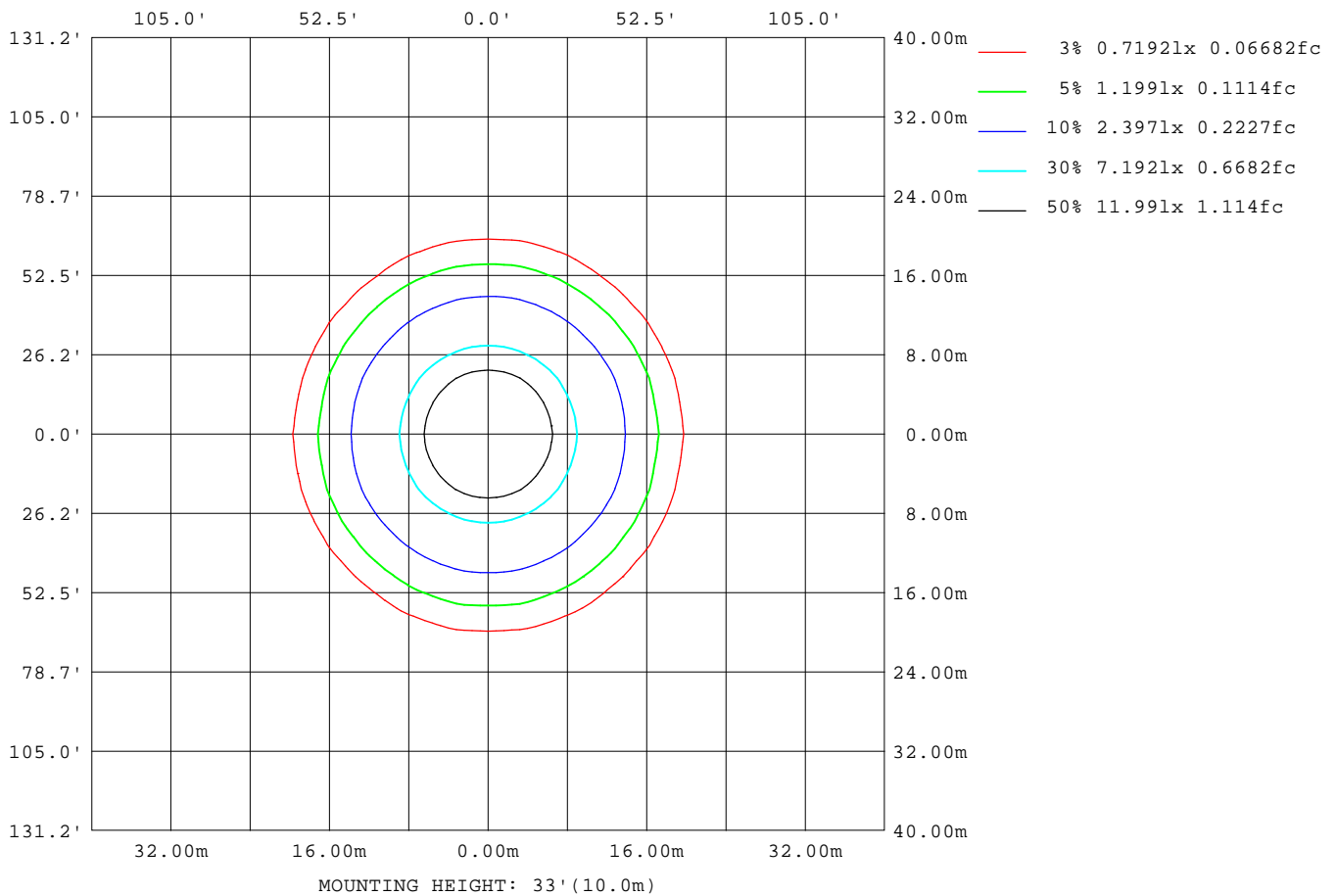
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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

ISOLUX DIAGRAM

Test:U:120.30V I:0.3554A P:42.635W PF:0.9973 Freq:59.98Hz Lamp Flux:6306.09x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K	DIM.: 120mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



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

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

LED Avg.L Report

Test:U:120.30V I:0.3554A P:42.635W PF:0.9973 Freq:59.98Hz Lamp Flux:6306.09x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K	DIM.: 120mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

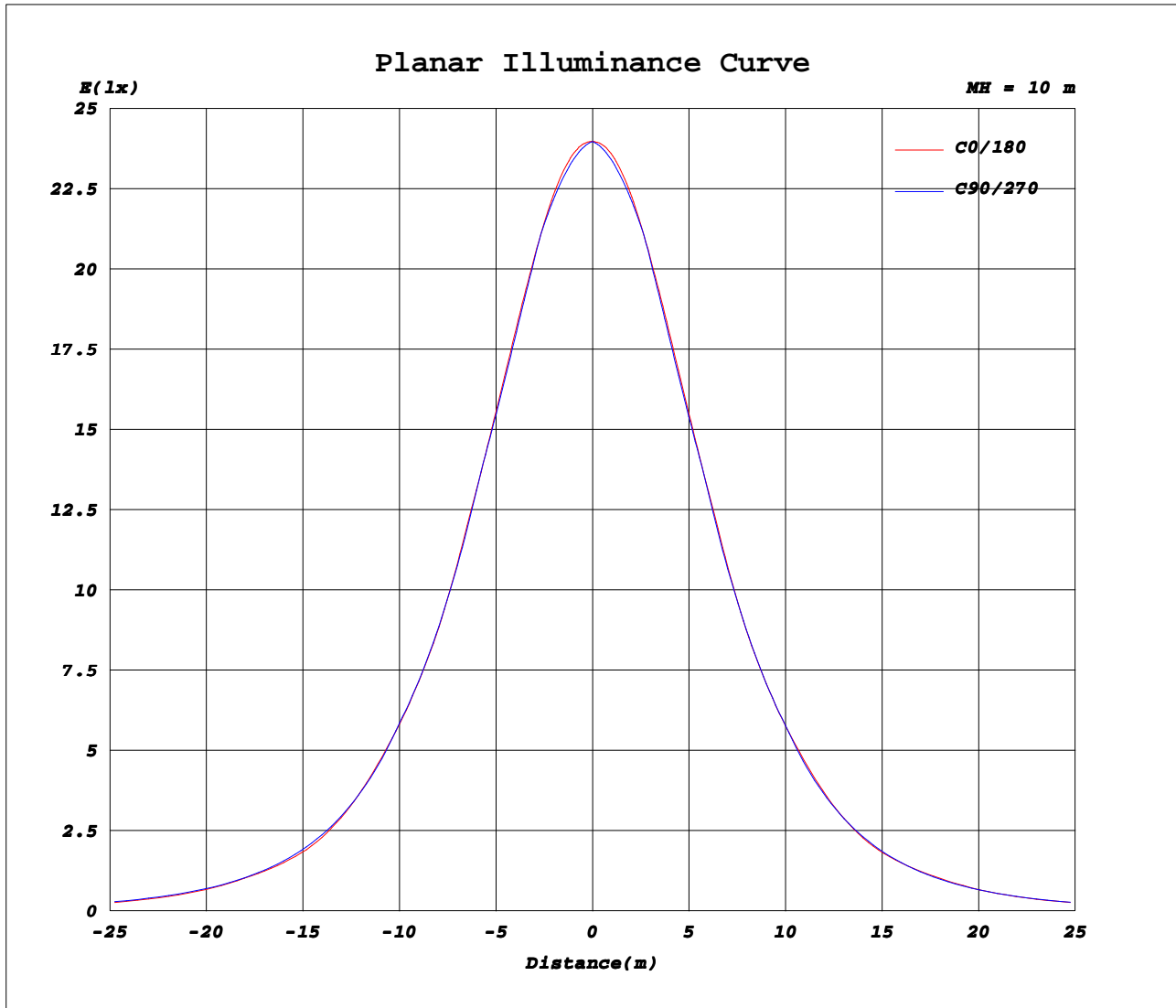
AvgL	cd/m2
L_0~180(65)av	65761
L_0~180(75)av	29607
L_0~180(85)av	5122
L_90~270(65)av	67947
L_90~270(75)av	31087
L_90~270(85)av	0
L_45(65)av	64952
L_45(75)av	35747
L_45(85)av	0

Standard: GB/T 29293-2012

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

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

Planar Illuminance Curve



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

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

Photometric Data Table [cd]

G/C	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
0.0	2397	2397	2397	2397	2397	2397	2397	2397	2397	2397
2.5	2398	2397	2396	2395	2394	2393	2393	2392	2391	2391
5.0	2395	2394	2392	2390	2389	2387	2386	2385	2384	2383
7.5	2389	2386	2384	2381	2379	2377	2376	2374	2373	2372
10.0	2378	2374	2370	2368	2365	2364	2362	2361	2360	2359
12.5	2361	2356	2352	2349	2346	2345	2344	2343	2343	2343
15.0	2340	2334	2329	2325	2323	2321	2321	2322	2323	2325
17.5	2312	2305	2300	2296	2294	2294	2295	2297	2299	2303
20.0	2280	2272	2266	2263	2261	2262	2264	2268	2273	2279
22.5	2243	2235	2229	2226	2225	2227	2231	2237	2244	2238
25.0	2203	2193	2187	2185	2185	2189	2195	2203	2195	2190
27.5	2157	2147	2141	2140	2142	2147	2156	2149	2143	2140
30.0	2106	2094	2088	2088	2093	2102	2101	2090	2085	2086
32.5	2049	2035	2028	2028	2035	2048	2035	2026	2023	2027
35.0	1969	1957	1953	1958	1970	1970	1960	1956	1956	1964
37.5	1881	1869	1869	1879	1897	1884	1879	1880	1886	1896
40.0	1802	1789	1787	1798	1807	1793	1790	1798	1811	1817
42.5	1727	1712	1710	1721	1713	1696	1697	1710	1726	1719
45.0	1646	1624	1621	1637	1618	1603	1600	1618	1619	1620
47.5	1556	1526	1518	1526	1513	1508	1508	1505	1509	1520
50.0	1431	1408	1407	1406	1399	1406	1409	1395	1397	1416
52.5	1289	1275	1286	1286	1293	1298	1294	1289	1290	1309
55.0	1145	1142	1167	1163	1167	1179	1176	1177	1187	1198
57.5	1035	1026	1047	1042	1054	1052	1060	1063	1081	1070
60.0	939.8	918.2	924.6	918.5	939.0	929.3	938.5	953.9	944.5	945.9
62.5	812.4	792.2	790.3	792.7	802.4	802.6	816.3	825.8	808.9	821.1
65.0	669.2	662.7	662.0	671.7	666.1	676.9	694.0	692.4	680.0	691.8
67.5	543.8	532.2	535.5	548.2	540.9	547.3	561.4	557.2	555.4	560.2
70.0	402.8	405.4	410.8	415.2	419.7	428.8	437.0	431.9	436.3	446.4
72.5	287.2	284.9	292.8	298.0	304.2	318.0	321.7	324.3	337.9	341.7
75.0	183.1	178.7	187.7	192.8	207.6	214.6	224.7	241.0	243.0	241.6
77.5	106.4	102.1	111.6	120.6	122.8	137.5	156.7	161.8	153.2	145.9
80.0	55.01	53.15	60.73	67.31	68.49	87.15	95.32	86.38	68.10	63.07
82.5	31.44	31.03	33.22	36.65	39.40	45.27	40.28	28.70	18.72	8.498
85.0	10.07	11.08	14.00	16.65	15.24	9.742	0	0	0	0
87.5	1.444	2.108	2.053	0	0	0	0	0	0	0
90.0	1.185	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	2397	2397	2397	2397	2397	2397	2397	2397	2397	2397
2.5	2390	2390	2389	2389	2389	2388	2388	2388	2388	2388
5.0	2382	2381	2381	2380	2379	2379	2379	2378	2378	2378
7.5	2372	2371	2371	2370	2370	2369	2369	2369	2369	2369
10.0	2359	2359	2359	2359	2359	2359	2359	2359	2359	2359
12.5	2344	2345	2346	2347	2348	2349	2349	2350	2349	2349
15.0	2327	2329	2331	2334	2336	2338	2339	2340	2340	2340
17.5	2307	2311	2312	2309	2306	2304	2303	2302	2301	2302
20.0	2279	2275	2271	2268	2266	2265	2264	2263	2263	2263
22.5	2234	2230	2229	2227	2226	2225	2225	2225	2225	2225
25.0	2187	2185	2184	2184	2185	2185	2186	2186	2186	2186
27.5	2139	2139	2140	2141	2143	2145	2147	2147	2148	2148
30.0	2088	2091	2094	2098	2101	2104	2107	2108	2109	2109
32.5	2035	2042	2048	2053	2046	2041	2037	2035	2034	2035
35.0	1978	1992	1981	1972	1967	1964	1962	1959	1959	1960
37.5	1909	1903	1895	1888	1886	1887	1886	1884	1883	1884
40.0	1811	1810	1807	1803	1805	1810	1811	1809	1808	1809
42.5	1712	1714	1717	1717	1722	1732	1736	1734	1732	1733
45.0	1615	1618	1625	1630	1638	1653	1661	1659	1657	1658
47.5	1520	1522	1533	1542	1544	1551	1552	1545	1540	1543
50.0	1426	1427	1430	1428	1427	1436	1436	1428	1424	1427
52.5	1332	1315	1311	1310	1311	1320	1321	1311	1307	1311
55.0	1205	1196	1194	1193	1195	1205	1206	1195	1191	1195
57.5	1074	1076	1077	1077	1079	1089	1092	1078	1074	1079
60.0	944.8	953.4	960.0	961.1	963.1	974.5	977.3	961.6	957.6	963.5
62.5	819.1	828.9	843.5	845.8	843.1	850.3	851.8	836.3	832.8	837.1
65.0	697.8	703.9	722.1	722.6	717.5	721.8	723.9	710.4	708.0	710.2
67.5	583.2	585.0	599.1	599.8	593.0	594.0	595.7	584.4	583.2	583.1
70.0	473.1	469.5	477.9	477.1	469.3	466.8	467.4	458.2	458.5	455.9
72.5	363.1	356.3	358.6	354.7	346.2	340.0	339.0	331.9	333.7	328.6
75.0	253.9	245.7	240.9	232.6	223.5	213.7	210.6	205.5	208.9	201.3
77.5	146.7	136.7	131.4	124.2	118.5	110.4	107.1	103.1	104.4	101.0
80.0	63.59	56.21	45.24	33.23	22.68	13.01	6.019	1.514	0	1.484
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:2024-11-21

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.918m [K=1.0000]

Remarks:

Photometric Data Table [cd]

87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	2397	2397	2397	2397	2397	2397	2397	2397	2397	2397
2.5	2388	2388	2388	2388	2389	2389	2390	2390	2391	2391
5.0	2378	2378	2379	2379	2380	2380	2381	2382	2382	2383
7.5	2369	2369	2369	2369	2369	2370	2370	2371	2371	2372
10.0	2359	2358	2358	2358	2357	2357	2357	2357	2357	2358
12.5	2349	2348	2347	2345	2344	2343	2341	2340	2340	2339
15.0	2338	2337	2334	2332	2329	2326	2324	2321	2319	2317
17.5	2302	2303	2304	2307	2310	2308	2304	2299	2295	2292
20.0	2263	2264	2264	2266	2268	2271	2276	2276	2270	2264
22.5	2224	2224	2224	2224	2225	2227	2230	2235	2240	2233
25.0	2185	2184	2183	2181	2181	2182	2183	2186	2191	2198
27.5	2146	2144	2141	2138	2136	2135	2134	2135	2138	2144
30.0	2107	2103	2099	2094	2090	2086	2084	2081	2080	2084
32.5	2037	2039	2042	2050	2043	2037	2030	2022	2017	2019
35.0	1961	1962	1962	1967	1976	1987	1972	1958	1950	1949
37.5	1885	1884	1881	1883	1889	1898	1903	1890	1880	1873
40.0	1809	1805	1799	1798	1801	1803	1804	1812	1804	1790
42.5	1733	1726	1716	1711	1710	1707	1706	1712	1717	1701
45.0	1657	1646	1631	1624	1618	1611	1610	1612	1610	1607
47.5	1549	1544	1538	1535	1524	1514	1514	1510	1497	1495
50.0	1434	1427	1420	1420	1421	1420	1418	1404	1387	1388
52.5	1320	1311	1302	1301	1302	1306	1322	1295	1282	1281
55.0	1205	1194	1185	1184	1182	1183	1190	1186	1180	1168
57.5	1091	1078	1068	1067	1061	1058	1057	1057	1072	1054
60.0	977.0	961.5	950.7	951.1	940.3	929.7	924.9	928.2	930.8	945.9
62.5	849.7	837.3	830.8	835.7	819.3	801.3	796.7	795.8	793.1	812.9
65.0	719.9	709.5	706.5	711.2	697.8	675.5	672.5	661.2	661.2	673.3
67.5	590.0	582.2	583.0	587.1	576.9	562.1	556.2	527.4	532.7	535.3
70.0	460.4	455.6	460.1	463.3	458.2	450.4	445.7	417.8	409.5	409.0
72.5	331.1	329.6	337.7	340.7	341.9	340.1	335.9	317.5	315.2	302.2
75.0	202.0	204.1	215.6	219.3	227.7	231.2	229.1	221.2	223.3	223.1
77.5	102.4	105.0	113.3	115.4	121.8	123.9	125.6	126.2	137.7	147.6
80.0	5.757	12.38	21.67	31.02	41.69	50.26	51.40	47.65	57.17	76.60
82.5	0	0	0	0	0	0	0	6.402	15.63	24.61
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	2397	2397	2397	2397	2397	2397	2397	2397	2397	2397
2.5	2392	2393	2393	2394	2395	2396	2397	2396	2395	2394
5.0	2385	2386	2387	2389	2390	2392	2394	2392	2390	2388
7.5	2374	2375	2377	2379	2381	2384	2386	2383	2380	2378
10.0	2358	2359	2361	2364	2366	2370	2373	2369	2366	2362
12.5	2339	2340	2342	2344	2347	2350	2355	2350	2346	2342
15.0	2316	2316	2317	2319	2322	2327	2333	2326	2321	2318
17.5	2290	2289	2288	2290	2293	2297	2304	2297	2292	2288
20.0	2260	2257	2255	2256	2259	2264	2272	2264	2258	2255
22.5	2226	2221	2219	2219	2221	2226	2234	2226	2220	2217
25.0	2190	2183	2179	2177	2179	2184	2193	2183	2177	2175
27.5	2150	2141	2134	2131	2132	2137	2146	2135	2129	2128
30.0	2094	2095	2085	2079	2078	2083	2094	2082	2075	2075
32.5	2028	2042	2027	2019	2018	2023	2036	2021	2014	2013
35.0	1953	1963	1961	1948	1941	1942	1953	1940	1937	1942
37.5	1871	1876	1887	1867	1855	1854	1864	1852	1851	1862
40.0	1782	1782	1796	1786	1775	1775	1786	1772	1770	1780
42.5	1686	1686	1703	1711	1699	1698	1711	1695	1693	1704
45.0	1591	1594	1610	1630	1611	1612	1631	1608	1604	1619
47.5	1500	1499	1506	1522	1511	1516	1540	1512	1504	1511
50.0	1401	1397	1393	1402	1400	1396	1415	1393	1395	1392
52.5	1285	1289	1278	1280	1281	1267	1278	1264	1274	1271
55.0	1168	1172	1161	1158	1164	1136	1134	1132	1156	1147
57.5	1051	1044	1048	1039	1047	1023	1026	1017	1038	1027
60.0	928.0	919.6	934.1	917.2	928.3	919.5	931.9	910.4	914.8	902.3
62.5	806.5	793.2	797.5	790.1	796.6	794.4	806.5	785.9	781.4	776.2
65.0	679.2	670.0	657.7	671.7	665.0	662.7	664.8	658.7	652.9	656.9
67.5	544.4	534.5	534.2	545.6	536.4	537.3	538.6	527.5	525.9	530.6
70.0	419.0	412.5	408.8	410.8	411.9	407.7	397.6	403.6	400.3	398.2
72.5	299.1	300.3	295.7	293.8	291.6	291.7	288.9	284.5	286.0	283.4
75.0	205.0	197.3	197.8	193.7	188.9	187.0	184.7	178.7	181.2	178.8
77.5	141.0	120.9	113.6	121.1	114.8	105.8	107.7	101.0	109.2	110.6

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-21

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.918m [K=1.0000]

Remarks:

Photometric Data Table [cd]

80.0	83.08	74.63	60.09	66.41	61.35	57.70	55.96	53.82	58.50	62.27
82.5	32.17	35.76	32.62	33.91	31.35	33.65	33.48	30.92	30.61	32.41
85.0	0	6.910	10.03	12.43	11.64	12.25	11.36	10.49	11.01	11.86
87.5	0	0	0	0	1.523	1.869	1.688	1.651	1.336	0
90.0	0	0	0	0	0	0	1.246	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	2397	2397	2397	2397	2397	2397	2397	2397	2397	2397
2.5	2393	2392	2391	2391	2390	2389	2389	2388	2388	2387
5.0	2386	2385	2383	2382	2381	2380	2379	2378	2378	2377
7.5	2376	2374	2372	2370	2369	2368	2367	2366	2366	2366
10.0	2359	2357	2356	2355	2354	2354	2353	2353	2353	2353
12.5	2340	2338	2336	2336	2335	2336	2337	2338	2339	2340
15.0	2315	2313	2313	2313	2314	2316	2318	2320	2323	2325
17.5	2286	2285	2286	2288	2291	2294	2297	2301	2302	2299
20.0	2253	2254	2256	2259	2264	2269	2269	2263	2260	2257
22.5	2217	2218	2222	2228	2235	2228	2223	2219	2216	2215
25.0	2176	2179	2186	2194	2185	2179	2175	2173	2171	2171
27.5	2130	2137	2146	2138	2131	2127	2125	2125	2126	2127
30.0	2080	2089	2088	2077	2072	2071	2073	2075	2079	2082
32.5	2021	2033	2019	2010	2007	2010	2018	2024	2031	2037
35.0	1953	1953	1943	1939	1938	1946	1958	1971	1961	1952
37.5	1879	1866	1859	1860	1866	1876	1887	1881	1872	1866
40.0	1787	1772	1769	1776	1789	1796	1788	1785	1782	1779
42.5	1693	1674	1673	1686	1701	1695	1688	1687	1690	1690
45.0	1599	1581	1575	1590	1591	1594	1590	1590	1596	1601
47.5	1493	1486	1482	1476	1478	1490	1492	1493	1501	1510
50.0	1379	1382	1383	1367	1365	1382	1396	1397	1396	1394
52.5	1264	1273	1267	1259	1258	1271	1298	1281	1275	1273
55.0	1146	1154	1150	1145	1154	1160	1165	1157	1153	1154
57.5	1033	1026	1031	1032	1045	1031	1030	1030	1032	1035
60.0	918.2	903.1	905.8	924.5	904.9	902.9	899.2	900.6	909.4	915.9
62.5	780.6	776.9	786.8	792.3	771.8	769.8	772.8	770.2	786.7	797.8
65.0	645.3	653.6	662.6	652.1	645.0	634.0	649.7	643.0	665.6	676.7
67.5	521.5	523.0	526.1	520.5	518.3	501.8	534.6	532.5	546.7	556.3
70.0	400.1	403.9	404.2	398.7	394.9	400.7	426.7	424.7	430.0	435.9
72.5	284.7	293.8	291.2	291.5	300.3	305.6	320.1	318.1	314.8	316.4
75.0	188.3	189.9	198.9	211.4	212.4	211.8	216.4	212.0	201.4	197.7
77.5	106.2	113.6	134.6	138.2	130.6	120.5	116.2	106.9	100.0	99.88
80.0	56.12	70.01	79.98	71.64	51.95	45.35	47.31	43.34	34.35	26.72
82.5	30.62	33.25	30.89	22.92	13.81	6.125	0	0	0	0
85.0	9.626	6.566	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	2397	2397	2397	2397	2397	2397	2397	2397	2397	2397
2.5	2387	2387	2387	2387	2387	2387	2387	2387	2388	2388
5.0	2377	2376	2376	2376	2376	2376	2377	2377	2377	2378
7.5	2366	2365	2365	2365	2366	2366	2366	2366	2367	2368
10.0	2354	2354	2354	2355	2355	2355	2355	2356	2356	2356
12.5	2341	2342	2343	2344	2344	2344	2344	2344	2343	2342
15.0	2327	2329	2332	2333	2334	2334	2333	2332	2330	2328
17.5	2296	2294	2294	2294	2294	2295	2296	2298	2300	2303
20.0	2255	2254	2253	2254	2254	2255	2256	2257	2259	2261
22.5	2214	2213	2213	2214	2215	2216	2217	2217	2218	2219
25.0	2172	2173	2173	2173	2174	2176	2176	2176	2176	2176
27.5	2129	2131	2132	2133	2134	2136	2136	2135	2134	2133
30.0	2086	2090	2092	2093	2095	2096	2096	2094	2092	2090
32.5	2028	2025	2021	2018	2018	2021	2024	2029	2035	2045
35.0	1947	1946	1943	1941	1941	1944	1947	1950	1954	1961
37.5	1864	1866	1866	1864	1865	1867	1870	1871	1872	1875
40.0	1779	1786	1788	1788	1788	1790	1793	1791	1788	1788
42.5	1694	1705	1711	1711	1711	1713	1715	1710	1703	1700
45.0	1608	1623	1633	1634	1635	1636	1637	1628	1617	1611
47.5	1511	1518	1521	1516	1515	1519	1526	1523	1521	1521
50.0	1392	1398	1402	1397	1395	1399	1407	1404	1401	1404
52.5	1272	1278	1283	1277	1276	1280	1289	1285	1281	1283
55.0	1153	1159	1164	1157	1156	1160	1172	1166	1162	1164
57.5	1033	1040	1046	1037	1036	1041	1054	1047	1043	1044
60.0	914.7	921.8	927.9	917.8	916.8	921.4	936.9	928.6	924.0	925.7
62.5	794.8	799.2	803.7	794.4	793.6	796.9	811.7	804.9	803.6	807.6
65.0	673.3	674.9	678.3	670.7	670.3	672.0	684.8	678.9	680.6	682.9
67.5	552.5	551.1	552.8	546.8	547.1	547.0	557.8	553.5	558.1	559.8
70.0	432.1	427.8	427.6	423.0	423.8	421.9	430.8	428.6	436.0	437.7

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-21

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.918m [K=1.0000]

Remarks:

Photometric Data Table [cd]

72.5	312.3	304.7	302.5	299.0	300.6	296.8	304.1	304.1	314.2	316.9
75.0	192.8	182.1	177.5	175.0	177.3	171.5	177.4	180.0	192.3	197.3
77.5	98.99	92.46	89.64	87.64	88.65	85.90	89.35	91.06	97.93	99.26
80.0	18.93	10.89	5.045	1.287	0	1.262	5.022	10.74	18.68	26.56
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	2397	2397	2397	2397	2397	2397	2397	2397	2397	2397
2.5	2388	2389	2389	2390	2391	2391	2392	2393	2394	2395
5.0	2379	2380	2381	2382	2383	2384	2385	2387	2388	2390
7.5	2368	2369	2369	2370	2371	2373	2374	2376	2378	2380
10.0	2356	2356	2356	2357	2357	2358	2360	2362	2364	2366
12.5	2342	2341	2340	2340	2340	2340	2341	2343	2345	2348
15.0	2327	2324	2322	2320	2319	2319	2319	2319	2321	2324
17.5	2306	2305	2302	2299	2296	2294	2293	2293	2293	2296
20.0	2264	2269	2274	2275	2271	2267	2263	2261	2261	2262
22.5	2221	2225	2229	2235	2242	2236	2231	2227	2225	2226
25.0	2178	2180	2183	2187	2194	2203	2195	2189	2185	2184
27.5	2133	2133	2134	2136	2141	2148	2155	2146	2141	2138
30.0	2087	2084	2083	2082	2083	2087	2099	2100	2091	2086
32.5	2039	2035	2030	2023	2020	2023	2032	2046	2033	2026
35.0	1971	1983	1972	1959	1952	1952	1957	1967	1968	1956
37.5	1883	1893	1902	1891	1881	1875	1875	1880	1892	1874
40.0	1793	1798	1802	1811	1805	1792	1785	1786	1801	1793
42.5	1701	1700	1702	1711	1718	1703	1688	1689	1707	1718
45.0	1607	1602	1602	1608	1608	1608	1591	1596	1614	1634
47.5	1511	1503	1505	1504	1494	1494	1500	1502	1509	1525
50.0	1406	1407	1408	1395	1382	1384	1400	1399	1395	1405
52.5	1283	1290	1309	1285	1275	1276	1284	1291	1280	1284
55.0	1160	1166	1176	1176	1171	1163	1166	1174	1164	1162
57.5	1037	1040	1042	1046	1062	1049	1047	1045	1051	1039
60.0	914.8	911.7	910.3	915.6	921.1	939.9	921.5	918.7	934.8	916.7
62.5	791.7	783.9	782.4	782.1	785.0	804.9	800.9	789.4	795.2	791.0
65.0	670.1	658.9	657.8	648.1	654.3	662.8	672.6	664.8	656.0	671.8
67.5	550.7	546.1	540.7	513.3	524.7	528.2	536.0	525.2	530.5	544.1
70.0	433.1	433.6	430.8	407.3	400.9	404.7	412.8	407.6	399.2	408.6
72.5	317.5	323.2	322.4	309.3	307.3	298.8	295.2	295.6	289.9	291.9
75.0	203.2	214.3	217.2	213.6	216.6	218.6	202.5	192.0	195.0	184.2
77.5	100.8	106.8	114.6	120.9	133.2	143.0	137.4	118.5	111.7	115.6
80.0	34.66	43.19	45.61	45.01	54.55	73.31	80.64	73.77	59.76	64.58
82.5	0	0	0	6.075	14.72	23.20	31.10	35.25	32.61	33.70
85.0	0	0	0	0	0	0	0	6.854	10.21	12.72
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	2397	2397								
2.5	2396	2397								
5.0	2391	2393								
7.5	2383	2386								
10.0	2370	2373								
12.5	2351	2356								
15.0	2328	2333								
17.5	2300	2305								
20.0	2266	2272								
22.5	2229	2235								
25.0	2187	2193								
27.5	2140	2146								
30.0	2087	2093								
32.5	2027	2034								
35.0	1952	1956								
37.5	1866	1868								
40.0	1785	1788								
42.5	1708	1711								
45.0	1619	1624								
47.5	1518	1526								
50.0	1406	1407								
52.5	1286	1275								
55.0	1166	1141								
57.5	1046	1026								
60.0	926.1	920.3								
62.5	794.0	795.0								

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-21

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.918m [K=1.0000]

Remarks:

Photometric Data Table [cd]

65.0	662.0	662.1
67.5	533.3	533.7
70.0	408.2	403.1
72.5	287.7	284.3
75.0	184.3	178.4
77.5	107.7	101.9
80.0	55.91	54.44
82.5	30.15	31.49
85.0	11.49	10.23
87.5	1.297	1.530
90.0	0	0

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

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