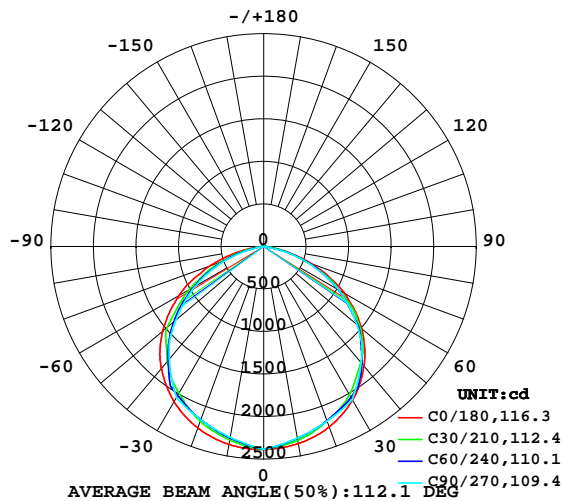


LUMINAIRE PHOTOMETRIC TEST REPORT

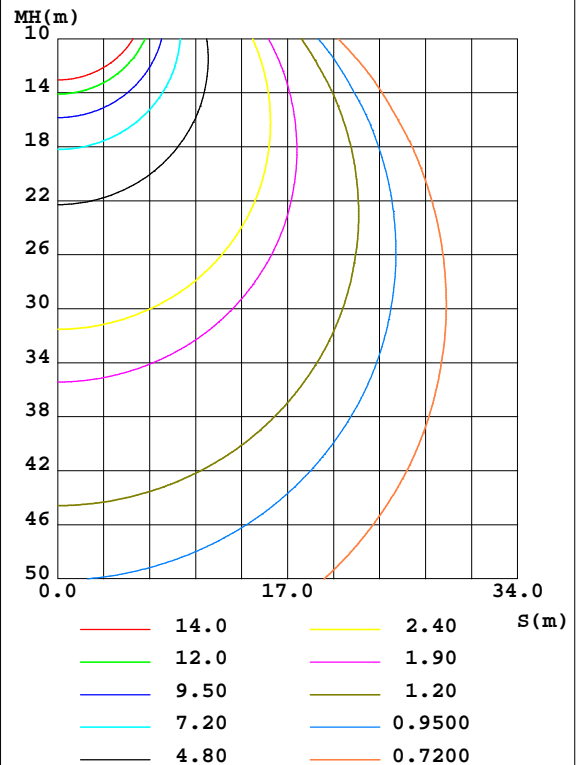
Test:U:120.06V I:0.3324A P:39.798W PF:0.9972 Freq:59.98Hz Lamp Flux:6484.45x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 162.93 lm/W			
MODEL	GHLV-07-U	Imax(cd)	2386	S/MH(C0/180)	1.31
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	6484.5	η UP,DN(C0-180)	0.0,50.7
NOMINAL FLUX(lm)	6484.45	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.3
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:2024-10-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [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	2352	2299	2286	2301	2362	2296	2277	2292	0- 10	222.8	222.8	3.44,3.44
20	2257	2182	2184	2179	2269	2165	2166	2166	10- 20	635.9	858.7	13.2,13.2
30	2086	2024	2080	2031	2107	2006	2052	2002	20- 30	976.9	1836	28.3,28.3
40	1834	1822	1784	1844	1872	1806	1727	1790	30- 40	1201	3036	46.8,46.8
50	1503	1437	1429	1472	1551	1416	1351	1389	40- 50	1246	4282	66,66
60	1090	1005	1014	1041	1147	975.0	924.2	951.2	50- 60	1091	5373	82.9,82.9
70	597.4	547.2	532.4	565.1	679.1	519.3	470.9	502.1	60- 70	761.2	6134	94.6,94.6
80	137.3	126.2	0	124.1	200.3	110.7	0	103.9	70- 80	326.5	6461	99.6,99.6
90	1.884	0	0	0	1.948	0	0	0	80- 90	23.51	6484	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): 3665.3 lm

%lum = 56.5%

%lamp = 56.5%

Conical surface Flux(120deg): 5373.2 lm

%lum = 82.9%

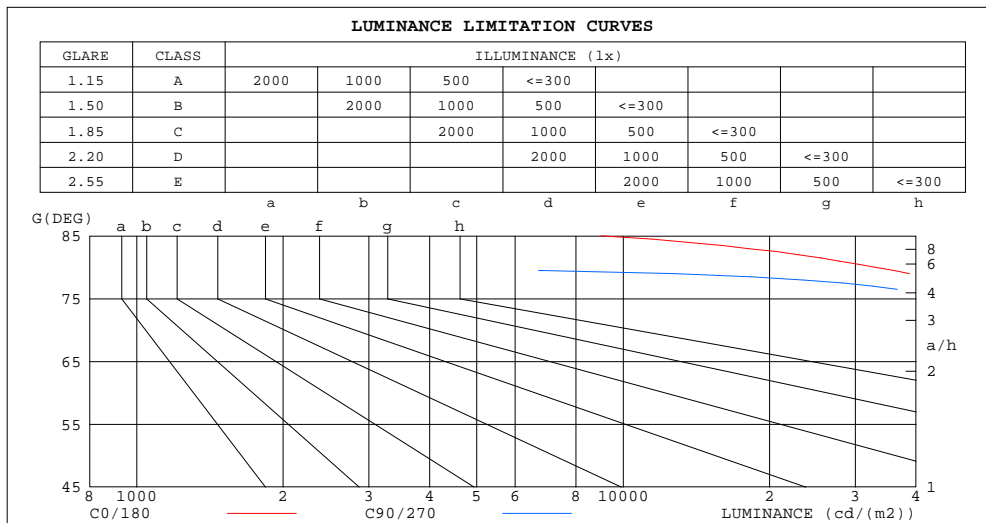
%lamp = 82.9%

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.06V I:0.3324A P:39.798W PF:0.9972 Freq:59.98Hz Lamp Flux:6484.45x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W	DIM.: 520*90mm	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	9004	0
80	32939	0
75	57385	47145
70	72780	64856
65	83424	76246
60	90827	84493
55	94909	88733
50	97397	92632
45	98898	96476

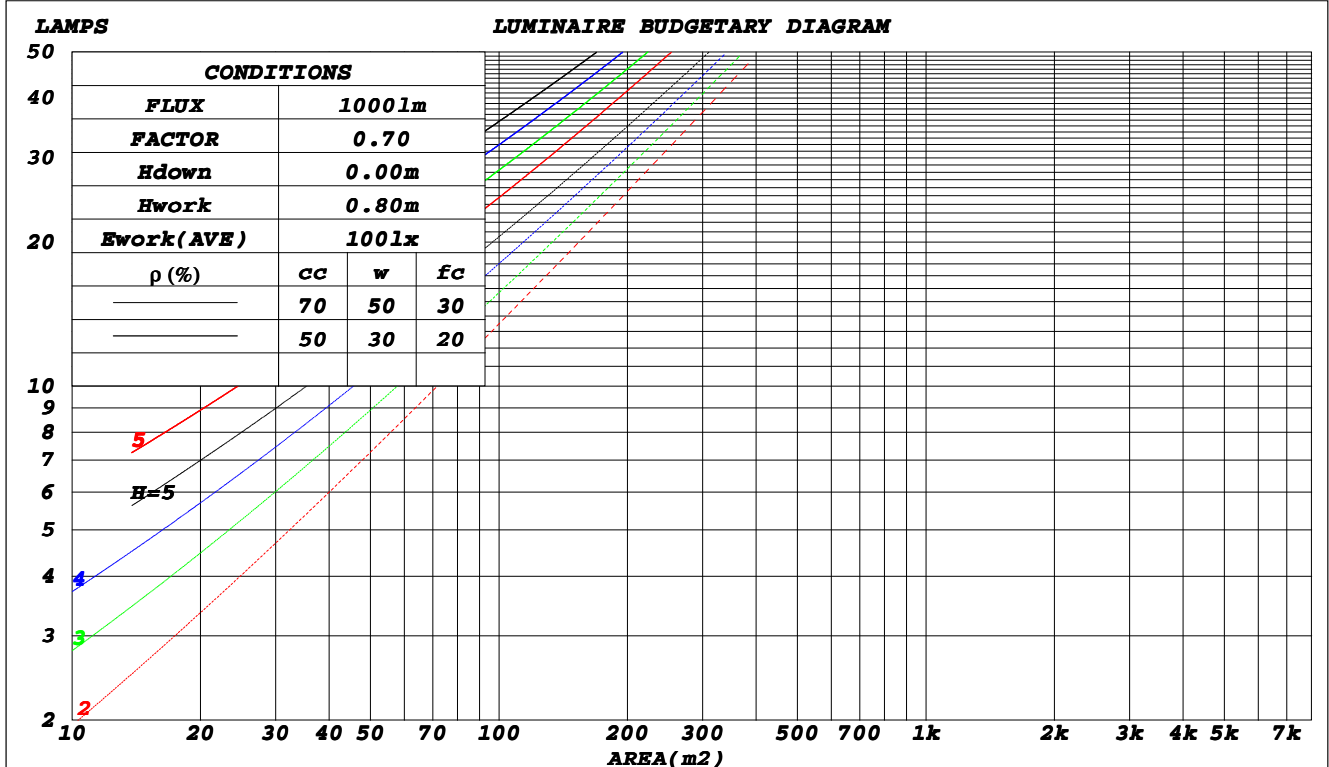
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.06V I:0.3324A P:39.798W PF:0.9972 Freq:59.98Hz Lamp Flux:6484.45x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.05	1.01	.98	1.03	.99	.96	.99	.96	.93	.95	.93	.90	.91	.89	.88	.86
2.0	.92	.86	.80	.90	.84	.79	.87	.82	.77	.84	.79	.76	.81	.77	.74	.72
3.0	.81	.73	.67	.80	.72	.66	.77	.70	.65	.74	.69	.64	.71	.67	.63	.61
4.0	.72	.63	.57	.71	.63	.56	.68	.61	.56	.66	.60	.55	.64	.59	.54	.52
5.0	.64	.56	.49	.63	.55	.49	.61	.54	.48	.59	.53	.48	.57	.52	.47	.45
6.0	.58	.49	.43	.57	.49	.43	.55	.48	.42	.53	.47	.42	.52	.46	.41	.39
7.0	.52	.44	.38	.52	.43	.38	.50	.43	.37	.49	.42	.37	.47	.41	.37	.35
8.0	.48	.39	.34	.47	.39	.34	.46	.39	.33	.45	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.40	.33	.27	.40	.32	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.06V I:0.3324A P:39.798W PF:0.9972 Freq:59.98Hz Lamp Flux:6484.45x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.283	.161	.051	.276	.158	.050	.263	.151	.048	.251	.145	.046	.240	.139	.045		
2.0	.275	.151	.046	.269	.148	.046	.257	.143	.044	.246	.138	.043	.237	.134	.042		
3.0	.258	.138	.041	.253	.135	.041	.243	.132	.040	.233	.128	.039	.225	.124	.038		
4.0	.241	.125	.037	.236	.124	.037	.227	.120	.036	.219	.117	.035	.211	.115	.035		
5.0	.224	.114	.033	.220	.113	.033	.212	.110	.032	.204	.108	.032	.197	.106	.032		
6.0	.209	.105	.030	.205	.104	.030	.198	.102	.030	.191	.099	.029	.185	.097	.029		
7.0	.195	.097	.027	.192	.096	.027	.186	.094	.027	.179	.092	.027	.174	.090	.027		
8.0	.183	.089	.025	.180	.089	.025	.174	.087	.025	.169	.085	.025	.164	.084	.024		
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023		
10.0	.162	.078	.022	.159	.077	.021	.155	.076	.021	.150	.075	.021	.146	.074	.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	.136	.153	.134	.117	.104	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.170	.132	.100	.146	.114	.086	.100	.079	.060	.058	.046	.035	.018	.015	.012	
3.0	.162	.114	.076	.139	.099	.066	.095	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.155	.101	.060	.133	.087	.052	.091	.061	.036	.053	.036	.022	.017	.012	.007	
5.0	.148	.090	.048	.127	.078	.042	.087	.055	.030	.051	.032	.018	.016	.010	.006	
6.0	.141	.082	.040	.121	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.134	.075	.034	.115	.065	.029	.080	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.128	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.064	.025	.105	.056	.022	.073	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.06V I:0.3324A P:39.798W PF:0.9972 Freq:59.98Hz Lamp Flux:6484.45x1 lm										
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:40W					DIM.: 520*90mm			SERIAL No.:N/A		
MFR.: Grin Industrial Co., Ltd.					SUR.:N/A			Shielding Angle:N/A		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	22.2	23.7	22.5	23.9	24.1	22.1	23.6	22.3	23.8	24.0
3H	23.4	24.8	23.7	25.0	25.3	23.2	24.6	23.5	24.8	25.1
4H	23.8	25.1	24.1	25.3	25.6	23.5	24.8	23.8	25.1	25.3
6H	23.9	25.1	24.2	25.4	25.6	23.5	24.7	23.8	25.0	25.3
8H	23.9	25.0	24.2	25.3	25.6	23.5	24.6	23.8	24.9	25.2
12H	23.8	25.0	24.2	25.2	25.5	23.4	24.5	23.7	24.8	25.1
4H 2H	22.7	24.0	23.0	24.3	24.5	22.6	23.9	22.9	24.2	24.4
3H	24.1	25.2	24.4	25.5	25.8	23.9	25.1	24.3	25.3	25.6
4H	24.5	25.5	24.9	25.8	26.2	24.3	25.3	24.7	25.6	26.0
6H	24.7	25.6	25.1	25.9	26.3	24.3	25.2	24.7	25.6	25.9
8H	24.7	25.5	25.1	25.9	26.3	24.3	25.1	24.7	25.5	25.8
12H	24.7	25.4	25.1	25.8	26.2	24.2	25.0	24.6	25.4	25.8
8H 4H	24.6	25.5	25.0	25.8	26.2	24.4	25.3	24.8	25.6	26.0
6H	24.9	25.6	25.3	26.0	26.4	24.5	25.2	24.9	25.6	26.0
8H	24.9	25.6	25.4	26.0	26.4	24.4	25.0	24.9	25.5	25.9
12H	24.9	25.5	25.4	25.9	26.4	24.4	24.9	24.9	25.4	25.8
12H 4H	24.6	25.4	25.0	25.7	26.1	24.4	25.2	24.8	25.6	26.0
6H	24.9	25.5	25.3	25.9	26.4	24.5	25.1	24.9	25.5	25.9
8H	24.9	25.4	25.4	25.9	26.4	24.4	24.9	24.9	25.4	25.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.2					+ 0.3 / - 0.3				
1.5H	+ 0.3 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.3 / - 0.5					+ 0.4 / - 0.3				

CIE Pub.117, 6484 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 6.5$)
Area: 0.024 m²

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.06V I:0.3324A P:39.798W PF:0.9972 Freq:59.98Hz Lamp Flux:6484.45x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

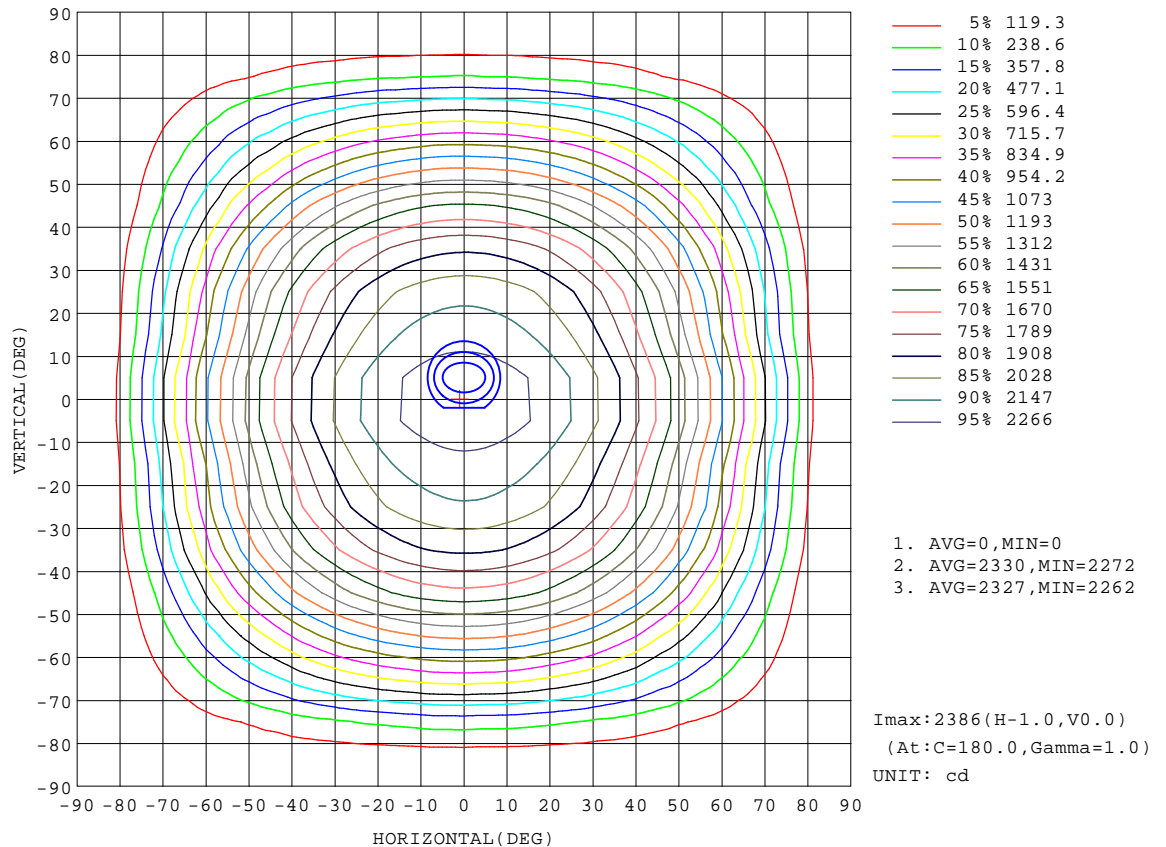
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	47	40	58	47	40	57	46	40	34
0.80	69	57	50	68	57	50	66	56	50	43
1.00	78	67	60	76	66	59	74	68	59	52
1.25	85	75	68	83	74	67	81	73	67	60
1.50	90	80	74	88	79	73	85	78	72	65
2.00	97	89	82	95	87	82	91	85	80	73
2.50	100	93	87	98	92	86	95	89	85	77
3.00	104	97	92	101	96	91	98	93	89	81
4.00	107	102	98	105	100	96	101	97	94	85
5.00	110	105	102	107	103	100	103	100	97	88
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:2024-10-17

$V(B)$ Range:-75 - 75DEG
 $V(B)$ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.06V I:0.3324A P:39.798W PF:0.9972 Freq:59.98Hz Lamp Flux:6484.45x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



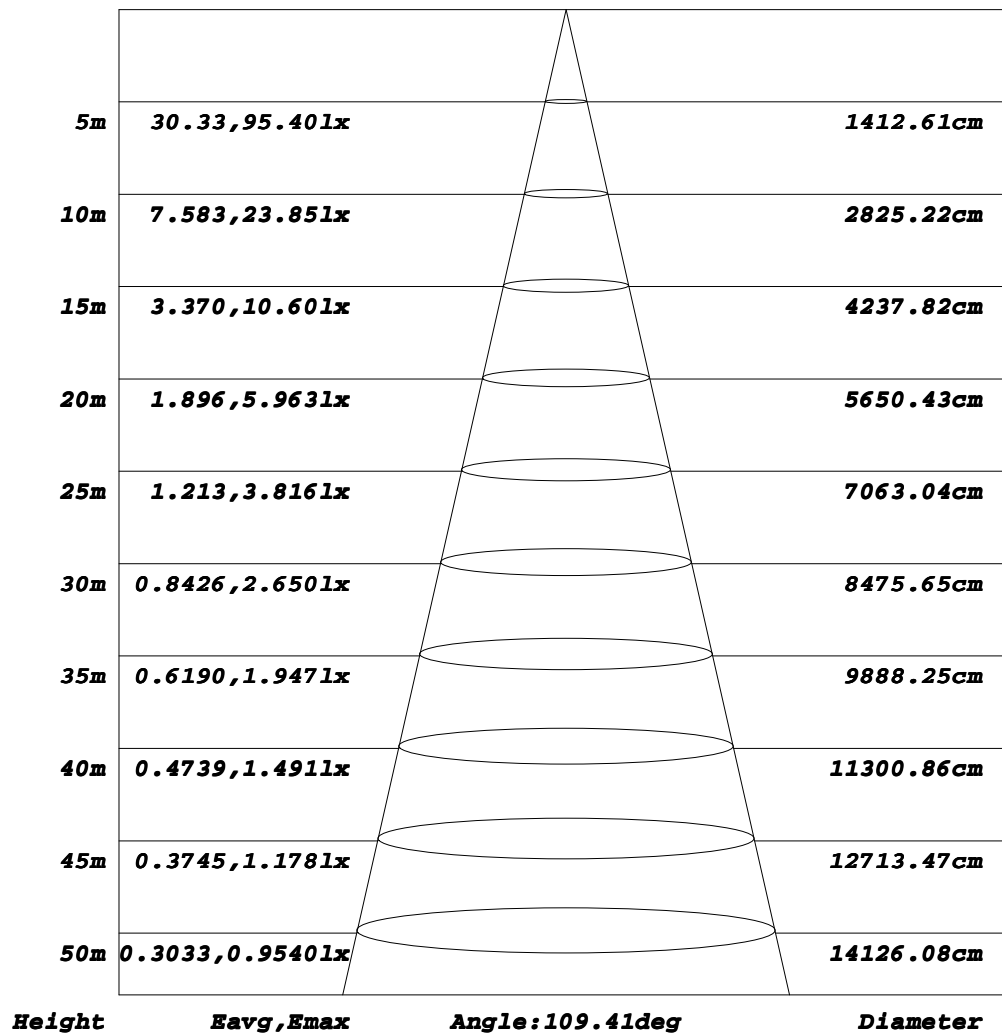
H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessie
Test Date: 2024-10-17

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65%
Test Distance: 6.898m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.06V I:0.3324A P:39.798W PF:0.9972 Freq:59.98Hz Lamp Flux:6484.45x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:4859 lm



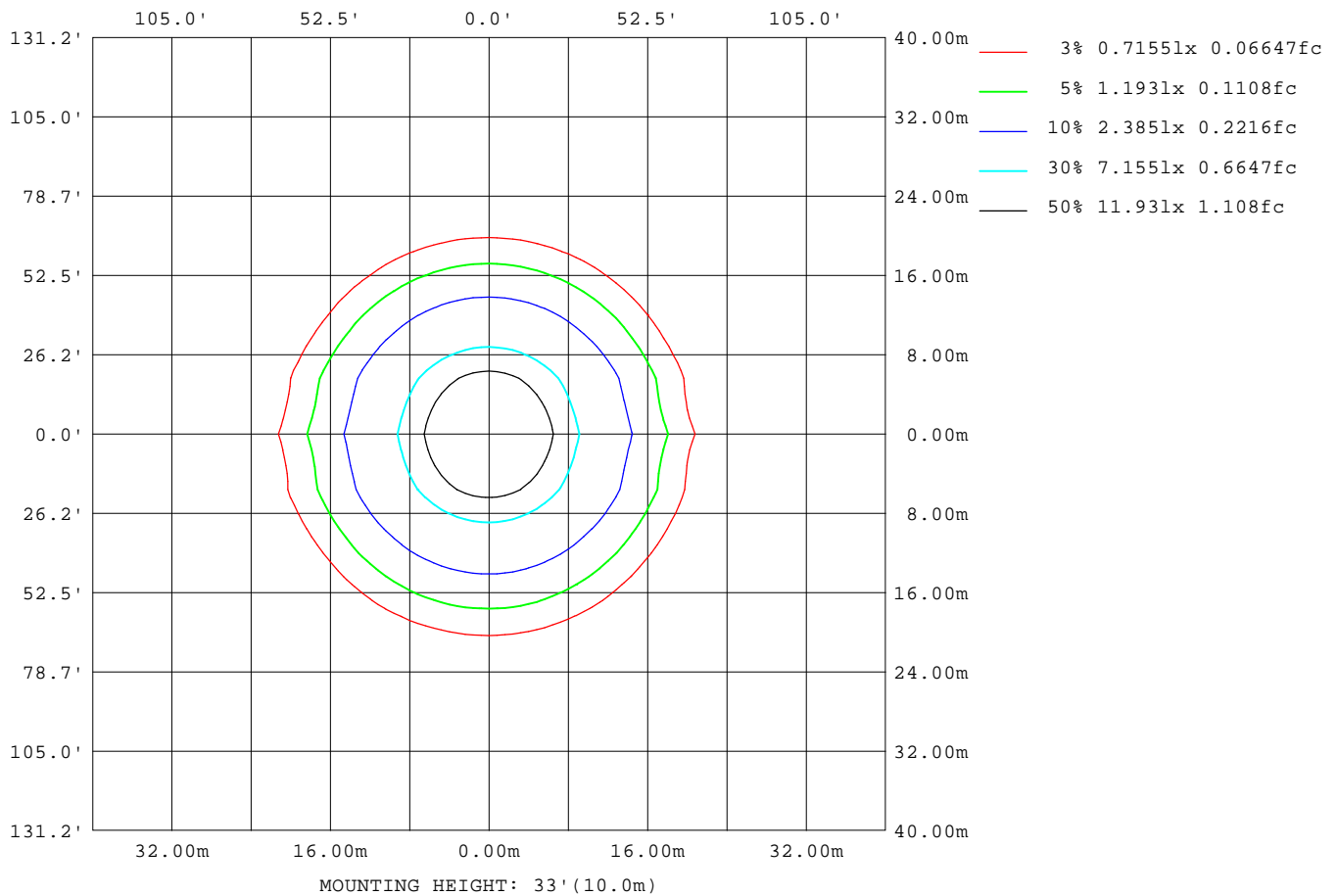
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90 DEG
H(β) Interval: 1.0 DEG
Test Speed: HIGH
Temperature: 25.3 DEG
Operators: Jessy
Test Date: 2024-10-17

V(B) Range: -75 - 75 DEG
V(B) Interval: 5.0 DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65%
Test Distance: 6.898m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.06V I:0.3324A P:39.798W PF:0.9972 Freq:59.98Hz Lamp Flux:6484.45x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.06V I:0.3324A P:39.798W PF:0.9972 Freq:59.98Hz Lamp Flux:6484.45x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

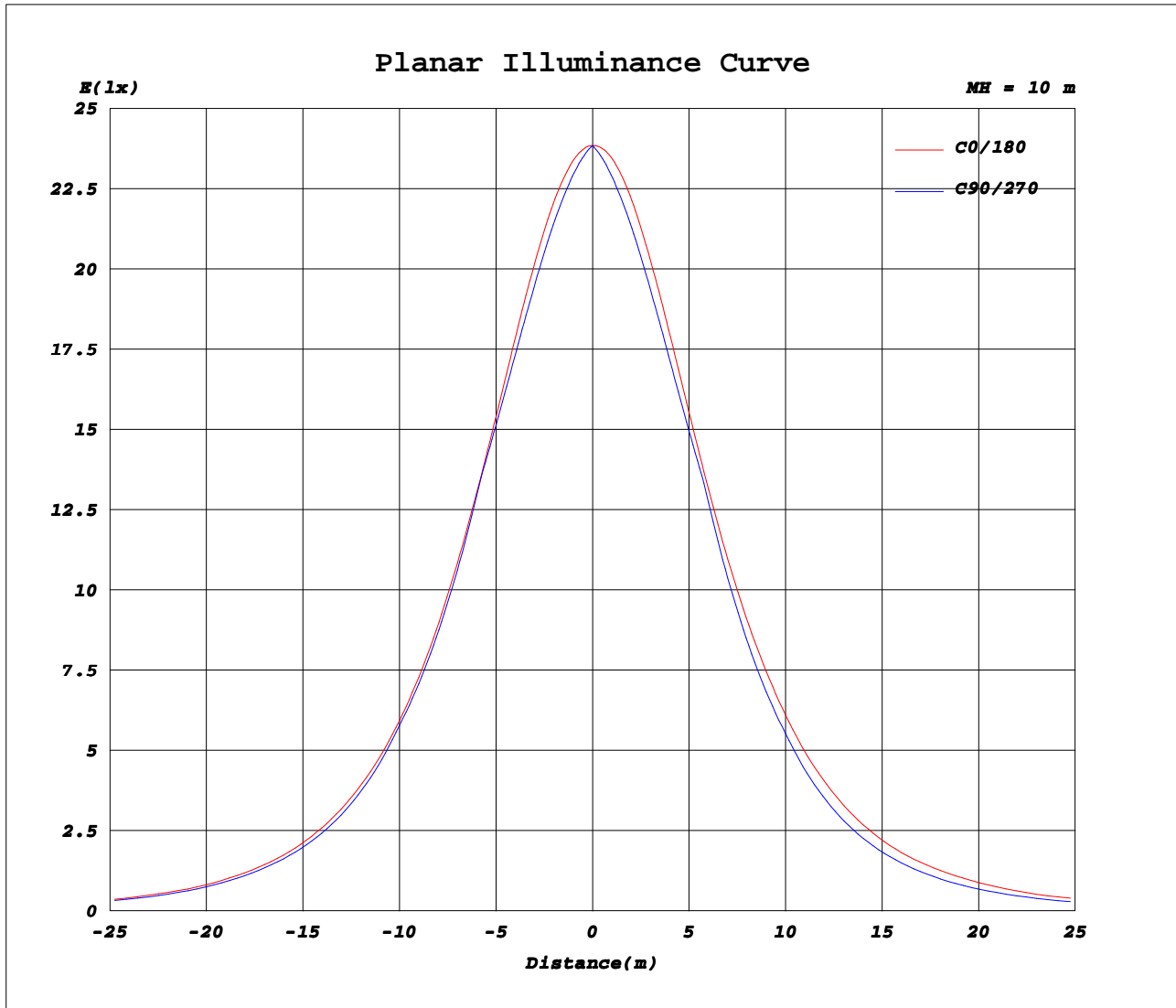
AvgL	cd/m2
L_0~180(65)av	86719
L_0~180(75)av	63446
L_0~180(85)av	15139
L_90~270(65)av	72510
L_90~270(75)av	43282
L_90~270(85)av	0
L_45(65)av	74967
L_45(75)av	51560
L_45(85)av	0

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:2024-10-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

Planar Illuminance Curve



$H(\beta)$ Range: -90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessy
Test Date: 2024-10-17

$V(B)$ Range: -75 - 75DEG
 $V(B)$ Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65%
Test Distance: 6.898m [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	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385
2.5	2382	2380	2378	2376	2374	2372	2371	2369	2368	2366
5.0	2376	2372	2368	2364	2361	2357	2354	2351	2349	2346
7.5	2365	2360	2354	2349	2344	2340	2335	2332	2328	2325
10.0	2352	2344	2337	2330	2324	2319	2314	2308	2303	2299
12.5	2334	2325	2316	2309	2302	2295	2287	2280	2275	2270
15.0	2313	2302	2292	2284	2276	2265	2256	2249	2243	2241
17.5	2287	2275	2264	2255	2243	2231	2221	2215	2213	2212
20.0	2257	2244	2233	2222	2206	2193	2184	2182	2182	2182
22.5	2221	2207	2196	2181	2164	2150	2148	2148	2148	2145
25.0	2181	2166	2154	2134	2116	2108	2109	2111	2106	2103
27.5	2135	2120	2107	2082	2063	2063	2067	2063	2060	2061
30.0	2086	2069	2052	2023	2011	2015	2015	2010	2012	2024
32.5	2033	2015	1992	1960	1956	1962	1955	1954	1971	1987
35.0	1972	1955	1927	1895	1898	1896	1891	1906	1929	1940
37.5	1906	1890	1855	1831	1838	1827	1832	1858	1876	1887
40.0	1834	1819	1776	1761	1765	1754	1778	1804	1815	1822
42.5	1760	1744	1691	1689	1683	1687	1722	1734	1746	1737
45.0	1678	1664	1601	1611	1596	1623	1650	1663	1657	1649
47.5	1593	1574	1514	1524	1511	1558	1568	1570	1566	1545
50.0	1503	1478	1426	1426	1438	1473	1480	1476	1453	1437
52.5	1406	1373	1331	1321	1363	1380	1381	1364	1338	1348
55.0	1307	1263	1233	1214	1273	1278	1277	1243	1247	1255
57.5	1194	1146	1129	1129	1164	1172	1146	1140	1153	1126
60.0	1090	1029	1010	1054	1060	1055	1022	1045	1018	1005
62.5	971.0	902.7	894.9	936.3	955.7	911.7	925.0	907.5	890.0	900.4
65.0	846.2	767.5	756.9	805.3	822.1	796.3	803.0	776.8	780.7	784.0
67.5	724.8	662.2	669.6	691.4	659.0	682.2	657.7	671.3	655.7	653.8
70.0	597.4	542.7	569.8	581.8	553.8	542.1	552.0	546.6	535.1	547.2
72.5	475.0	432.0	441.1	422.7	430.8	435.2	431.1	429.6	441.6	442.4
75.0	356.5	306.2	336.9	330.7	322.2	326.5	326.3	343.5	338.6	327.4
77.5	238.7	207.7	224.2	215.7	233.3	230.3	245.4	239.3	233.5	226.3
80.0	137.3	140.8	141.1	150.1	150.1	155.7	152.8	151.5	141.2	126.2
82.5	64.76	68.66	71.00	82.23	85.07	83.63	80.13	64.37	41.26	17.06
85.0	18.83	29.14	33.77	36.85	31.98	19.28	0	0	0	0
87.5	2.639	11.80	12.55	0	0	0	0	0	0	0
90.0	1.884	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	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385
2.5	2365	2364	2363	2362	2362	2361	2361	2360	2360	2361
5.0	2344	2342	2341	2339	2338	2337	2336	2336	2336	2336
7.5	2322	2319	2316	2315	2313	2312	2311	2311	2311	2311
10.0	2295	2292	2290	2288	2287	2286	2286	2286	2286	2287
12.5	2266	2264	2263	2262	2262	2261	2261	2261	2261	2262
15.0	2239	2238	2237	2237	2237	2237	2237	2237	2237	2237
17.5	2212	2211	2211	2210	2209	2210	2210	2210	2210	2211
20.0	2181	2179	2178	2178	2179	2181	2182	2184	2184	2185
22.5	2143	2143	2144	2147	2151	2154	2157	2158	2158	2159
25.0	2103	2108	2115	2120	2125	2128	2132	2132	2133	2132
27.5	2069	2077	2085	2092	2096	2100	2104	2106	2106	2106
30.0	2036	2045	2050	2057	2063	2070	2075	2079	2080	2081
32.5	1996	2004	2012	2021	2015	2011	2008	2007	2007	2008
35.0	1949	1960	1954	1946	1941	1938	1935	1934	1933	1933
37.5	1894	1884	1878	1872	1865	1861	1859	1858	1859	1860
40.0	1813	1806	1796	1788	1784	1782	1782	1783	1784	1787
42.5	1731	1715	1707	1703	1704	1706	1708	1709	1711	1712
45.0	1631	1620	1620	1625	1630	1633	1635	1636	1637	1636
47.5	1530	1534	1541	1549	1545	1538	1534	1532	1533	1534
50.0	1444	1452	1448	1439	1433	1430	1428	1427	1429	1431
52.5	1359	1342	1331	1324	1324	1325	1325	1324	1325	1326
55.0	1237	1223	1219	1220	1222	1223	1223	1222	1221	1221
57.5	1113	1116	1116	1117	1116	1118	1117	1117	1118	1118
60.0	1007	1013	1008	1004	1004	1010	1011	1013	1014	1014
62.5	896.9	895.5	892.9	890.6	890.8	895.1	894.3	892.9	893.6	894.4
65.0	774.1	776.5	779.5	776.2	775.2	777.5	775.7	772.4	773.3	773.7
67.5	660.8	665.3	667.4	661.0	656.9	656.7	654.6	650.9	652.9	653.9
70.0	555.3	552.0	548.3	539.8	535.1	534.1	533.0	529.5	532.4	534.3
72.5	441.2	433.0	426.4	420.9	416.6	414.9	413.6	408.4	412.6	414.1
75.0	327.8	320.5	313.8	306.2	300.8	297.0	294.5	287.4	292.9	293.8
77.5	223.1	212.6	197.6	182.8	170.4	160.2	152.6	145.0	146.4	148.3
80.0	109.3	88.79	67.81	49.15	32.57	18.87	8.581	2.131	0	2.179
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:2024-10-17

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.898m [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	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385
2.5	2361	2361	2362	2363	2364	2365	2366	2368	2369	2371
5.0	2336	2337	2338	2340	2341	2343	2345	2348	2351	2354
7.5	2312	2313	2314	2316	2318	2320	2322	2325	2328	2332
10.0	2288	2289	2290	2292	2293	2296	2298	2301	2304	2308
12.5	2262	2263	2264	2265	2268	2270	2273	2276	2279	2283
15.0	2236	2236	2236	2237	2238	2240	2243	2248	2252	2256
17.5	2211	2210	2209	2208	2208	2208	2211	2215	2220	2226
20.0	2185	2184	2183	2182	2180	2179	2178	2179	2183	2190
22.5	2158	2156	2155	2154	2153	2150	2148	2146	2144	2149
25.0	2130	2127	2124	2121	2119	2118	2117	2112	2108	2104
27.5	2104	2100	2095	2088	2083	2080	2077	2077	2071	2063
30.0	2079	2074	2069	2060	2051	2041	2034	2031	2030	2022
32.5	2050	2045	2039	2033	2022	2008	1994	1983	1980	1979
35.0	1933	1937	1943	1951	1963	1976	1989	1941	1924	1921
37.5	1860	1862	1865	1868	1877	1892	1913	1902	1876	1859
40.0	1787	1789	1791	1792	1794	1802	1821	1844	1831	1800
42.5	1711	1712	1715	1717	1721	1725	1745	1773	1773	1750
45.0	1633	1633	1632	1632	1635	1641	1643	1645	1668	1701
47.5	1536	1540	1543	1545	1545	1551	1561	1559	1561	1594
50.0	1433	1438	1441	1444	1449	1455	1461	1472	1472	1480
52.5	1328	1332	1336	1343	1347	1354	1359	1366	1382	1380
55.0	1222	1223	1226	1231	1240	1251	1254	1257	1270	1285
57.5	1119	1117	1118	1119	1125	1136	1147	1151	1157	1167
60.0	1017	1014	1016	1016	1017	1017	1025	1041	1046	1041
62.5	897.4	897.7	905.6	912.7	914.6	912.4	906.8	914.3	928.7	930.2
65.0	775.1	774.0	781.8	787.8	797.9	806.5	802.5	796.6	793.3	816.1
67.5	655.9	654.2	660.4	664.9	672.3	678.9	686.8	689.6	678.5	679.7
70.0	537.3	536.0	542.2	548.5	554.8	558.0	563.6	565.1	571.4	567.5
72.5	415.7	415.2	421.9	431.2	439.9	445.7	452.7	447.9	453.9	461.0
75.0	293.7	293.7	300.0	310.4	318.9	330.4	343.0	344.7	349.1	347.2
77.5	151.9	157.9	168.5	183.2	196.0	212.8	227.7	234.2	249.6	256.6
80.0	8.536	18.61	32.25	49.18	67.39	88.31	109.7	124.1	142.0	160.4
82.5	0	0	0	0	0	0	0	16.84	41.27	64.11
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	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385
2.5	2373	2374	2376	2379	2381	2383	2385	2383	2380	2378
5.0	2357	2361	2365	2369	2373	2378	2383	2378	2373	2368
7.5	2337	2342	2348	2354	2360	2367	2374	2367	2359	2352
10.0	2312	2319	2326	2334	2343	2352	2362	2352	2341	2332
12.5	2287	2292	2300	2310	2321	2332	2345	2331	2319	2307
15.0	2260	2265	2271	2281	2294	2308	2324	2307	2291	2277
17.5	2231	2235	2240	2249	2264	2280	2299	2278	2260	2243
20.0	2198	2202	2207	2213	2228	2248	2269	2246	2224	2207
22.5	2156	2166	2170	2175	2188	2211	2236	2208	2184	2168
25.0	2110	2121	2129	2133	2143	2168	2198	2165	2137	2125
27.5	2060	2070	2084	2087	2093	2121	2155	2118	2087	2078
30.0	2012	2013	2029	2038	2042	2069	2107	2065	2035	2027
32.5	1965	1953	1967	1984	1986	2011	2054	2007	1979	1973
35.0	1917	1900	1901	1925	1928	1949	1997	1945	1920	1913
37.5	1857	1845	1831	1855	1864	1882	1935	1877	1855	1841
40.0	1790	1789	1764	1778	1798	1812	1872	1807	1788	1764
42.5	1718	1718	1699	1695	1726	1734	1804	1730	1717	1682
45.0	1658	1638	1631	1607	1650	1648	1727	1643	1640	1591
47.5	1601	1552	1557	1523	1559	1562	1640	1555	1546	1505
50.0	1521	1484	1464	1445	1461	1472	1551	1463	1444	1422
52.5	1397	1418	1366	1364	1353	1374	1454	1365	1334	1337
55.0	1274	1320	1278	1276	1235	1273	1354	1264	1217	1246
57.5	1175	1186	1203	1161	1121	1170	1247	1160	1102	1132
60.0	1066	1064	1110	1054	1027	1067	1147	1059	1009	1021
62.5	937.3	962.2	968.2	958.8	931.4	963.9	1041	957.9	915.7	924.0
65.0	820.6	835.6	838.6	870.5	836.9	838.1	913.0	825.7	812.4	831.3
67.5	710.9	691.2	731.0	730.3	700.9	700.1	787.3	687.3	672.2	690.9
70.0	569.0	587.6	580.5	590.2	580.6	565.1	679.1	556.5	554.9	548.0
72.5	454.3	460.6	464.7	485.7	497.7	430.6	547.6	417.1	467.2	447.1
75.0	350.4	350.3	355.7	347.8	371.6	347.6	431.8	337.9	341.5	311.3
77.5	249.6	254.3	246.3	261.4	259.4	255.5	311.3	241.5	232.4	231.3

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-10-17

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.898m [K=1.0000]

Remarks:

Photometric Data Table [cd]

80.0	172.0	167.1	166.3	155.7	146.6	154.5	200.3	143.0	127.2	138.5
82.5	83.39	93.12	98.85	93.44	88.74	85.59	109.4	75.53	77.38	85.22
85.0	0	19.96	33.36	45.43	42.32	31.65	44.50	26.96	38.67	43.13
87.5	0	0	0	0	12.69	13.35	8.512	8.719	12.00	0
90.0	0	0	0	0	0	0	1.948	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	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385
2.5	2376	2374	2372	2370	2368	2366	2364	2363	2362	2361
5.0	2363	2359	2355	2351	2348	2345	2342	2339	2337	2335
7.5	2346	2340	2334	2329	2324	2321	2318	2315	2312	2310
10.0	2323	2316	2308	2304	2300	2296	2292	2289	2287	2284
12.5	2296	2288	2282	2277	2273	2269	2266	2263	2259	2257
15.0	2266	2259	2253	2249	2245	2239	2234	2231	2228	2226
17.5	2233	2227	2222	2217	2210	2204	2200	2197	2196	2196
20.0	2199	2193	2186	2176	2170	2165	2164	2165	2165	2166
22.5	2161	2155	2143	2134	2127	2128	2130	2133	2135	2135
25.0	2119	2108	2095	2087	2089	2092	2096	2097	2098	2099
27.5	2072	2055	2043	2044	2050	2055	2054	2056	2059	2063
30.0	2015	1997	1992	2000	2006	2006	2008	2014	2024	2032
32.5	1953	1935	1944	1953	1952	1954	1965	1979	1991	2001
35.0	1886	1881	1893	1894	1895	1908	1926	1944	1929	1914
37.5	1814	1824	1833	1831	1844	1866	1875	1853	1837	1824
40.0	1746	1766	1763	1770	1797	1806	1777	1757	1747	1742
42.5	1679	1691	1688	1718	1737	1702	1677	1670	1664	1661
45.0	1610	1608	1624	1664	1628	1598	1590	1585	1577	1570
47.5	1533	1521	1563	1552	1515	1508	1502	1490	1482	1477
50.0	1437	1450	1479	1431	1421	1416	1398	1388	1382	1374
52.5	1333	1382	1351	1325	1326	1306	1292	1284	1278	1270
55.0	1239	1279	1226	1207	1193	1185	1179	1179	1169	1157
57.5	1161	1137	1121	1104	1086	1085	1078	1062	1052	1043
60.0	1068	1012	1009	974.3	978.8	975.0	955.1	942.2	941.2	938.4
62.5	922.5	910.3	876.9	865.7	866.1	848.1	837.9	836.1	837.3	833.8
65.0	788.7	780.9	762.5	757.6	733.3	733.3	733.4	729.8	725.0	717.4
67.5	678.4	631.4	658.1	630.7	621.0	630.3	624.8	612.7	607.2	602.1
70.0	533.4	535.2	527.6	522.6	517.1	519.3	510.5	501.3	498.0	493.1
72.5	423.3	417.2	419.5	412.3	410.5	410.5	407.1	398.3	391.6	383.1
75.0	322.7	316.2	320.9	314.3	318.4	314.7	305.6	292.2	278.4	269.6
77.5	220.8	228.8	225.7	231.2	226.8	211.8	199.2	184.4	166.6	156.0
80.0	149.0	150.7	153.8	143.8	128.4	110.7	94.88	76.52	57.39	41.93
82.5	90.49	85.08	73.53	57.23	36.98	15.00	0	0	0	0
85.0	32.36	18.33	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	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385
2.5	2360	2359	2359	2358	2358	2358	2358	2359	2359	2360
5.0	2334	2333	2332	2331	2331	2331	2332	2333	2334	2335
7.5	2308	2306	2305	2304	2304	2304	2305	2306	2307	2308
10.0	2282	2280	2279	2277	2277	2277	2277	2277	2278	2279
12.5	2254	2253	2251	2250	2250	2250	2250	2250	2251	2251
15.0	2225	2224	2223	2223	2223	2223	2224	2223	2224	2224
17.5	2196	2195	2195	2195	2194	2194	2194	2193	2193	2194
20.0	2167	2167	2167	2166	2166	2165	2163	2162	2161	2160
22.5	2135	2136	2137	2137	2137	2137	2135	2133	2130	2127
25.0	2101	2103	2106	2108	2109	2109	2107	2105	2101	2097
27.5	2068	2073	2077	2080	2081	2079	2077	2074	2070	2067
30.0	2039	2044	2048	2051	2052	2049	2046	2041	2035	2031
32.5	1988	1979	1974	1971	1971	1971	1973	1977	1984	1993
35.0	1903	1895	1891	1889	1890	1890	1893	1897	1904	1912
37.5	1818	1813	1811	1809	1808	1808	1810	1813	1821	1832
40.0	1738	1734	1731	1729	1727	1726	1725	1728	1734	1742
42.5	1655	1651	1648	1647	1646	1645	1644	1645	1648	1651
45.0	1567	1565	1565	1565	1565	1565	1565	1565	1567	1568
47.5	1473	1468	1463	1461	1458	1458	1460	1467	1477	1486
50.0	1368	1363	1359	1355	1351	1350	1352	1356	1365	1374
52.5	1261	1254	1251	1247	1244	1244	1246	1249	1254	1258
55.0	1148	1143	1142	1140	1138	1138	1141	1144	1148	1152
57.5	1038	1036	1036	1034	1031	1030	1034	1035	1041	1047
60.0	933.2	930.5	931.0	927.6	924.2	922.5	925.7	924.5	927.9	932.0
62.5	824.2	818.0	816.6	813.5	810.9	809.3	813.5	813.3	815.6	817.8
65.0	708.6	701.7	700.4	698.9	697.6	695.9	700.8	702.0	704.9	708.3
67.5	595.6	588.6	587.1	585.5	584.2	581.1	585.9	587.2	591.8	598.1
70.0	485.6	477.0	474.4	472.0	470.9	466.2	470.7	470.9	475.8	483.1

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-10-17

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.898m [K=1.0000]

Remarks:

Photometric Data Table [cd]

72.5	374.2	362.8	359.9	357.3	357.9	352.8	357.2	358.1	362.5	369.8
75.0	261.2	247.8	245.2	242.5	244.9	239.4	244.0	246.3	251.5	259.8
77.5	145.2	131.7	126.3	122.2	122.4	120.6	125.8	131.1	139.3	150.0
80.0	27.76	15.52	7.101	1.796	0	1.771	7.070	15.43	26.63	40.36
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	2385	2385	2385	2385	2385	2385	2385	2385	2385	2385
2.5	2361	2362	2363	2365	2366	2368	2370	2372	2373	2376
5.0	2337	2339	2341	2343	2346	2349	2352	2355	2359	2363
7.5	2310	2313	2316	2320	2324	2328	2332	2336	2342	2347
10.0	2282	2284	2288	2292	2297	2302	2309	2315	2321	2328
12.5	2252	2254	2257	2261	2267	2273	2281	2290	2298	2305
15.0	2224	2226	2227	2230	2233	2240	2248	2258	2270	2279
17.5	2195	2197	2198	2199	2200	2203	2211	2223	2236	2250
20.0	2161	2162	2164	2166	2167	2169	2173	2183	2198	2216
22.5	2125	2124	2125	2127	2132	2133	2135	2139	2155	2174
25.0	2093	2087	2083	2085	2088	2094	2094	2096	2106	2127
27.5	2062	2055	2047	2040	2040	2045	2052	2051	2053	2075
30.0	2025	2020	2012	2002	1991	1992	1999	2003	2003	2018
32.5	1984	1977	1971	1963	1948	1934	1940	1952	1948	1955
35.0	1922	1932	1922	1914	1904	1886	1875	1885	1890	1888
37.5	1841	1852	1864	1858	1849	1837	1815	1814	1828	1822
40.0	1754	1768	1777	1790	1786	1779	1759	1737	1751	1750
42.5	1660	1672	1690	1701	1715	1709	1700	1668	1667	1675
45.0	1568	1572	1586	1609	1622	1634	1625	1601	1578	1597
47.5	1484	1481	1480	1500	1528	1539	1542	1535	1491	1507
50.0	1387	1394	1390	1389	1413	1442	1451	1449	1418	1410
52.5	1268	1282	1300	1297	1296	1327	1350	1355	1342	1306
55.0	1155	1161	1177	1200	1201	1203	1243	1252	1253	1200
57.5	1051	1052	1055	1073	1103	1096	1108	1145	1142	1112
60.0	940.9	948.3	948.8	951.2	970.2	996.7	983.0	1023	1031	1033
62.5	824.5	831.2	838.7	844.5	844.5	860.2	883.0	879.1	926.4	923.4
65.0	713.2	714.6	717.6	727.5	737.3	731.9	757.1	760.9	796.6	786.9
67.5	606.1	608.5	606.6	602.8	615.5	629.1	623.3	645.1	633.2	675.9
70.0	491.7	500.4	505.8	502.1	495.8	509.0	521.4	509.1	528.7	564.9
72.5	376.1	386.6	395.2	402.4	404.2	394.2	401.5	408.7	410.0	409.5
75.0	268.6	279.1	286.6	294.3	303.6	310.6	300.3	302.7	300.7	315.3
77.5	161.5	175.8	187.2	196.3	202.7	211.1	220.8	212.1	218.2	202.3
80.0	55.51	73.06	89.37	103.9	113.2	125.0	130.6	140.2	138.2	140.6
82.5	0	0	0	14.01	32.74	48.72	58.15	68.61	75.95	75.22
85.0	0	0	0	0	0	0	0	14.28	24.86	31.70
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	2385	2385								
2.5	2378	2380								
5.0	2367	2372								
7.5	2353	2359								
10.0	2335	2343								
12.5	2314	2323								
15.0	2289	2300								
17.5	2261	2273								
20.0	2229	2242								
22.5	2191	2205								
25.0	2150	2164								
27.5	2103	2118								
30.0	2048	2068								
32.5	1988	2013								
35.0	1922	1953								
37.5	1848	1887								
40.0	1768	1815								
42.5	1682	1739								
45.0	1591	1659								
47.5	1504	1568								
50.0	1415	1472								
52.5	1322	1369								
55.0	1226	1259								
57.5	1120	1140								
60.0	996.8	1022								
62.5	878.9	893.9								

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-10-17

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.898m [K=1.0000]

Remarks:

Photometric Data Table [cd]

65.0	746.0	763.3
67.5	661.0	653.1
70.0	562.7	533.2
72.5	433.7	426.7
75.0	332.6	300.1
77.5	218.7	206.1
80.0	135.4	142.2
82.5	67.60	71.03
85.0	31.05	27.77
87.5	10.26	7.450
90.0	0	0

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks: