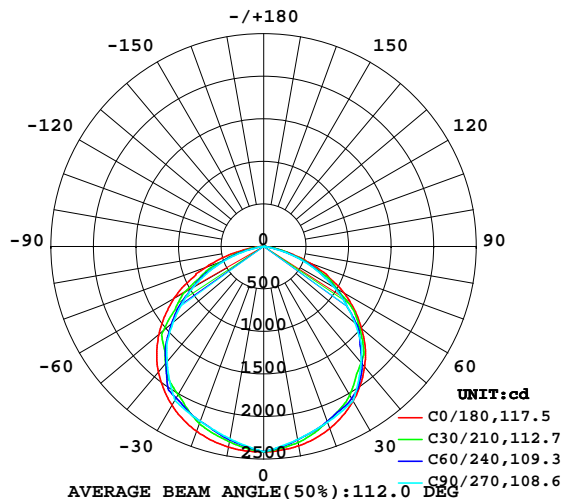


LUMINAIRE PHOTOMETRIC TEST REPORT

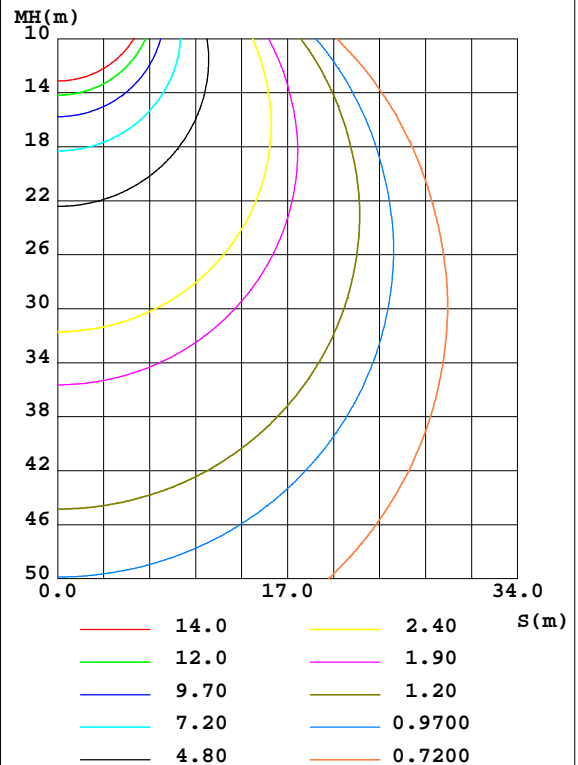
Test:U:120.07V I:0.3335A P:39.935W PF:0.9972 Freq:59.98Hz Lamp Flux:6516.53x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 163.18 lm/W			
MODEL	GHLV-07-U	Imax(cd)	2414	S/MH(C0/180)	1.33
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	6516.5	η UP,DN(C0-180)	0.0,50.0
NOMINAL FLUX(lm)	6516.53	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.0
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	2379	2319	2303	2321	2394	2317	2295	2314	0- 10	225.1	225.1	3.45,3.45
20	2277	2193	2198	2187	2311	2179	2187	2186	10- 20	641.3	866.4	13.3,13.3
30	2100	2029	2098	2047	2157	2039	2089	2024	20- 30	986.3	1853	28.4,28.4
40	1847	1821	1783	1864	1926	1861	1768	1819	30- 40	1215	3067	47.1,47.1
50	1501	1413	1402	1478	1609	1467	1389	1408	40- 50	1259	4327	66.4,66.4
60	1085	961.7	956.2	1021	1217	1013	952.7	961.2	50- 60	1098	5424	83.2,83.2
70	582.1	509.5	481.8	529.6	723.1	528.6	481.4	511.6	60- 70	757.2	6181	94.9,94.9
80	118.9	95.67	0	92.40	235.0	99.46	0	91.34	70- 80	314.5	6496	99.7,99.7
90	1.941	0	0	0	1.885	0	0	0	80- 90	20.82	6517	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): 3703.7 lm

%lum = 56.8%

%lamp = 56.8%

Conical surface Flux(120deg): 5424.1 lm

%lum = 83.2%

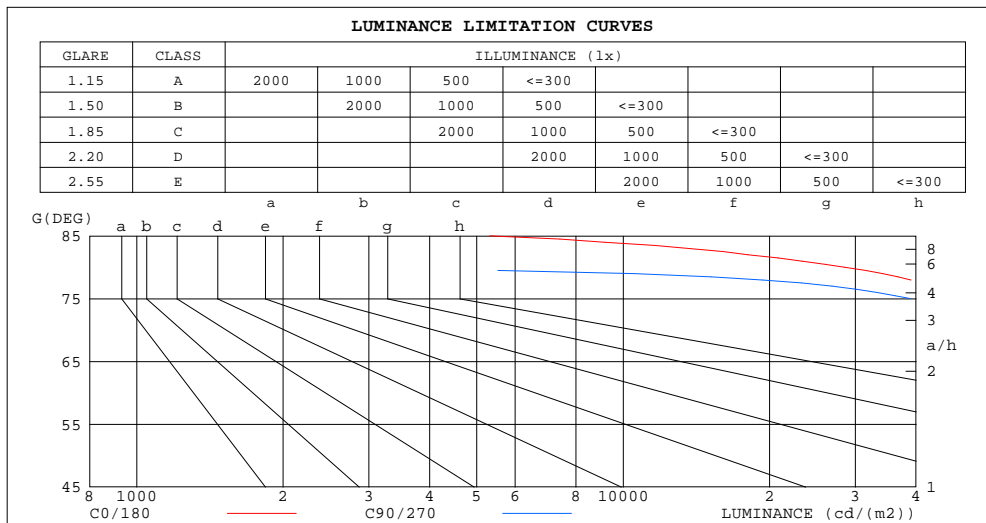
%lamp = 83.2%

$H(\beta)$ 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:

LUMINANCE LIMITATION CURVES

Test:U:120.07V I:0.3335A P:39.935W PF:0.9972 Freq:59.98Hz Lamp Flux:6516.53x1 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	5323	0
80	28521	0
75	54663	38935
70	70909	58698
65	82392	70747
60	90452	79683
55	94898	85650
50	97325	90887
45	99596	95827

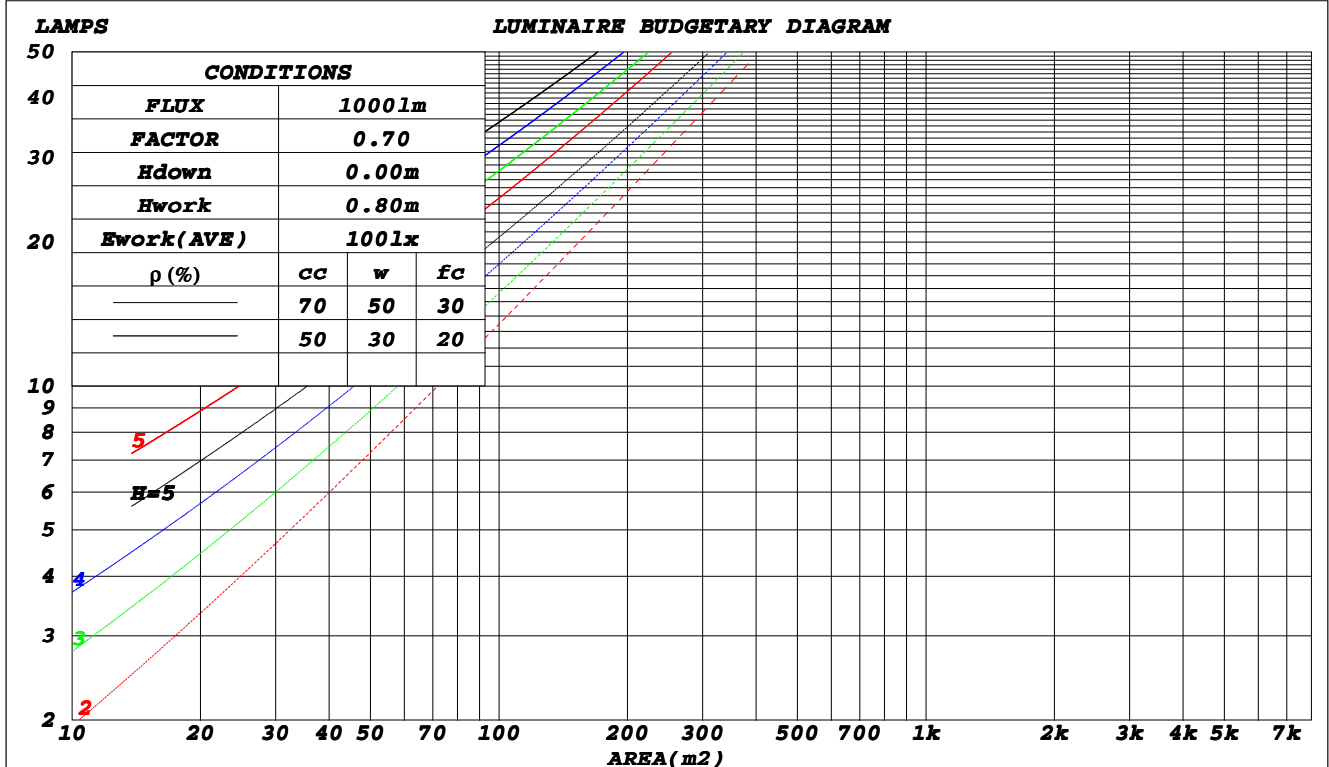
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-17

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:120.07V I:0.3335A P:39.935W PF:0.9972 Freq:59.98Hz Lamp Flux:6516.53x1 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															



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:120.07V I:0.3335A P:39.935W PF:0.9972 Freq:59.98Hz Lamp Flux:6516.53x1 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	.281	.160	.051	.274	.157	.050	.261	.150	.048	.249	.144	.046	.238	.138	.045		
2.0	.273	.150	.046	.267	.147	.045	.256	.142	.044	.245	.138	.043	.235	.133	.042		
3.0	.257	.137	.041	.252	.135	.041	.242	.131	.040	.232	.127	.039	.224	.124	.038		
4.0	.240	.125	.037	.235	.123	.036	.226	.120	.036	.218	.117	.035	.210	.114	.035		
5.0	.224	.114	.033	.219	.113	.033	.211	.110	.032	.204	.108	.032	.197	.105	.032		
6.0	.209	.105	.030	.205	.103	.030	.198	.101	.029	.191	.099	.029	.185	.097	.029		
7.0	.195	.096	.027	.192	.095	.027	.185	.094	.027	.179	.092	.027	.174	.090	.026		
8.0	.183	.089	.025	.180	.088	.025	.174	.087	.025	.168	.085	.025	.163	.084	.024		
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023		
10.0	.162	.077	.022	.159	.077	.021	.155	.076	.021	.150	.075	.021	.146	.073	.021		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.178	.156	.137	.153	.134	.118	.104	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.170	.132	.100	.145	.114	.087	.100	.079	.060	.057	.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	.147	.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:120.07V I:0.3335A P:39.935W PF:0.9972 Freq:59.98Hz Lamp Flux:6516.53x1 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	22.1	23.6	22.4	23.8	24.0	21.8	23.3	22.0	23.5	23.7
3H	23.3	24.7	23.6	24.9	25.2	22.8	24.2	23.1	24.4	24.7
4H	23.7	25.0	24.0	25.2	25.5	23.1	24.4	23.4	24.6	24.9
6H	23.8	25.0	24.1	25.2	25.5	23.0	24.2	23.3	24.5	24.8
8H	23.7	24.9	24.1	25.2	25.5	23.0	24.1	23.3	24.4	24.7
12H	23.7	24.8	24.1	25.1	25.4	22.9	24.0	23.3	24.3	24.6
4H 2H	22.6	23.9	22.9	24.1	24.4	22.3	23.6	22.6	23.8	24.1
3H	23.9	25.0	24.3	25.3	25.6	23.5	24.6	23.8	24.9	25.2
4H	24.3	25.4	24.7	25.7	26.0	23.8	24.8	24.2	25.1	25.5
6H	24.5	25.4	24.9	25.7	26.1	23.8	24.7	24.2	25.0	25.4
8H	24.5	25.3	24.9	25.7	26.1	23.7	24.6	24.1	24.9	25.3
12H	24.5	25.2	24.9	25.6	26.0	23.7	24.4	24.1	24.8	25.2
8H 4H	24.4	25.2	24.8	25.6	26.0	23.9	24.7	24.3	25.1	25.5
6H	24.6	25.3	25.1	25.7	26.2	23.9	24.6	24.3	25.0	25.4
8H	24.7	25.3	25.1	25.7	26.1	23.9	24.5	24.3	24.9	25.3
12H	24.7	25.2	25.1	25.6	26.1	23.8	24.3	24.3	24.8	25.3
12H 4H	24.4	25.1	24.8	25.5	25.9	23.9	24.6	24.3	25.0	25.4
6H	24.6	25.2	25.1	25.6	26.1	23.9	24.5	24.3	24.9	25.4
8H	24.6	25.2	25.1	25.6	26.1	23.9	24.4	24.3	24.8	25.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.3					+ 0.3 / - 0.3				
1.5H	+ 0.4 / - 0.4					+ 0.2 / - 0.4				
2.0H	+ 0.3 / - 0.5					+ 0.4 / - 0.4				

CIE Pub.117, 6517 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:120.07V I:0.3335A P:39.935W PF:0.9972 Freq:59.98Hz Lamp Flux:6516.53x1 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

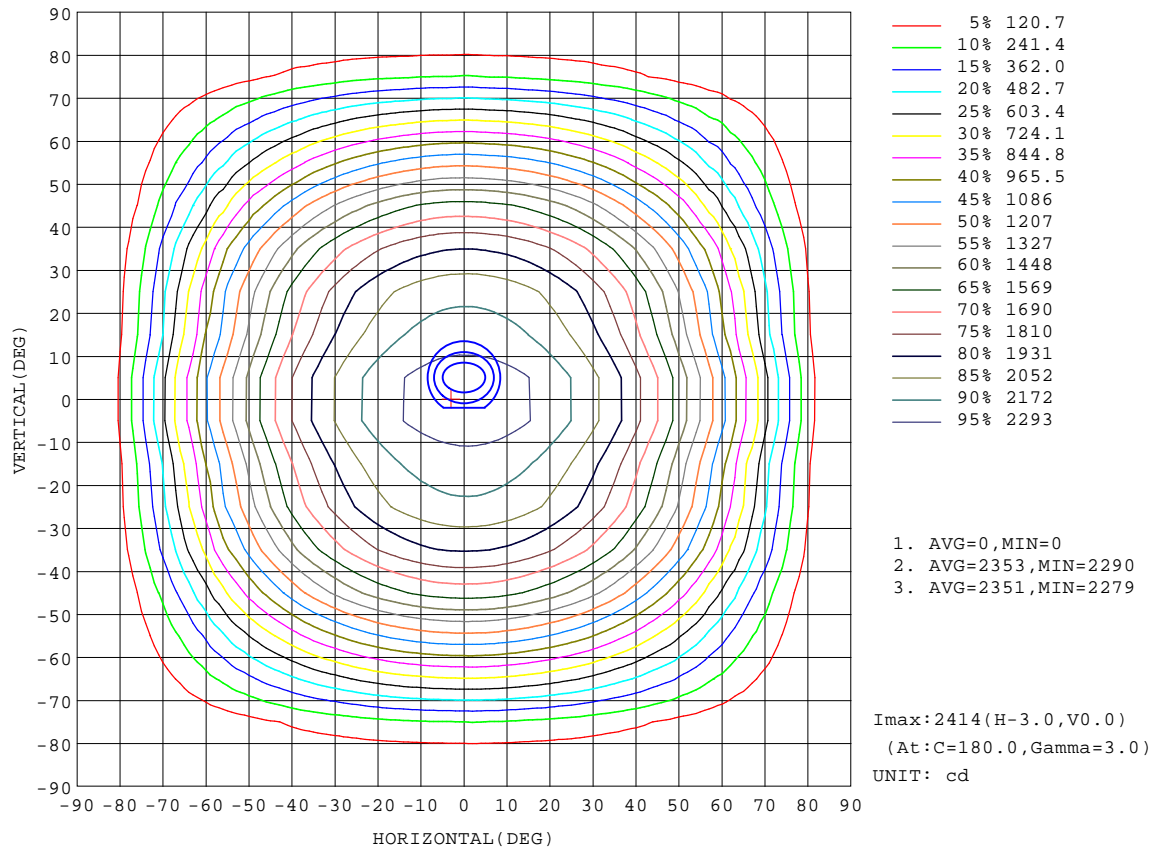
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	47	40	58	47	40	57	46	40	34
0.80	69	58	50	68	57	50	66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

ISOCANDELA DIAGRAM

Test:U:120.07V I:0.3335A P:39.935W PF:0.9972 Freq:59.98Hz Lamp Flux:6516.53x1 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



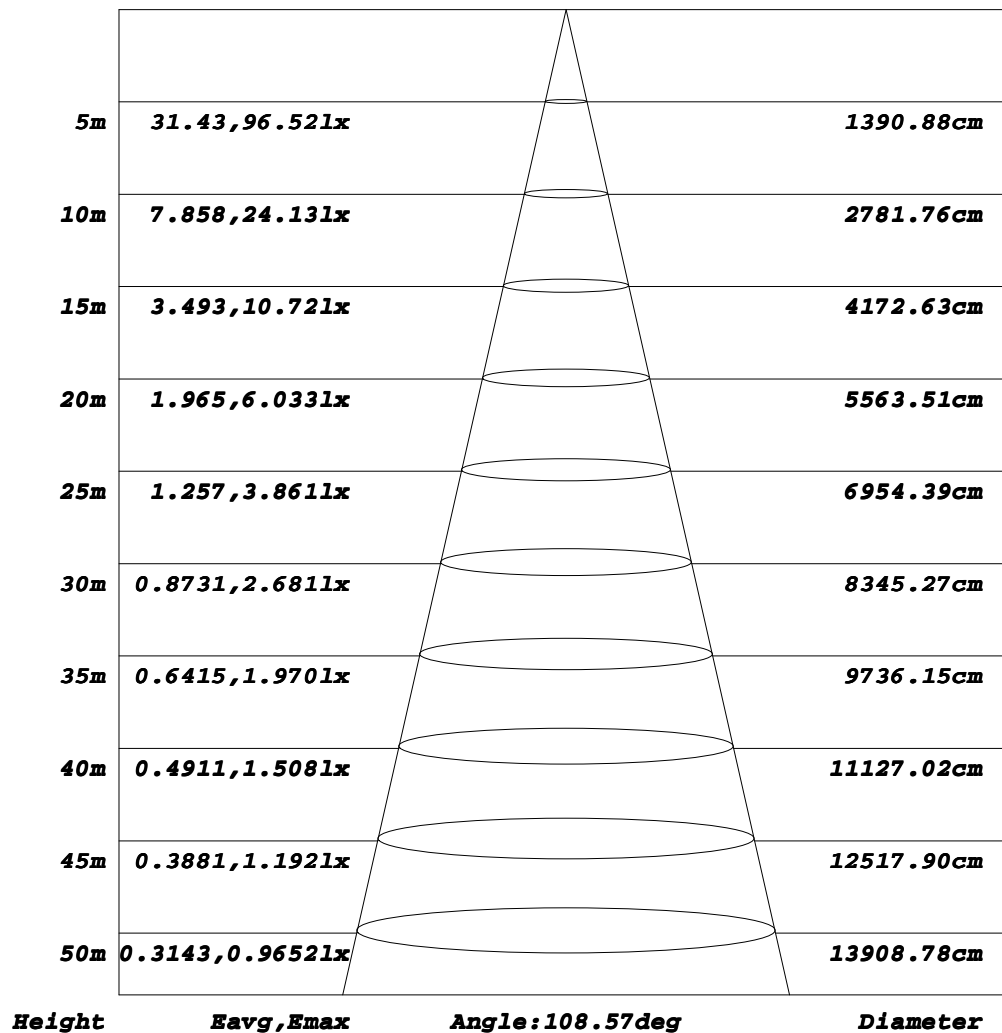
H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessie
Test Date: 2024-10-17

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:120.07V I:0.3335A P:39.935W PF:0.9972 Freq:59.98Hz Lamp Flux:6516.53x1 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:4852 lm



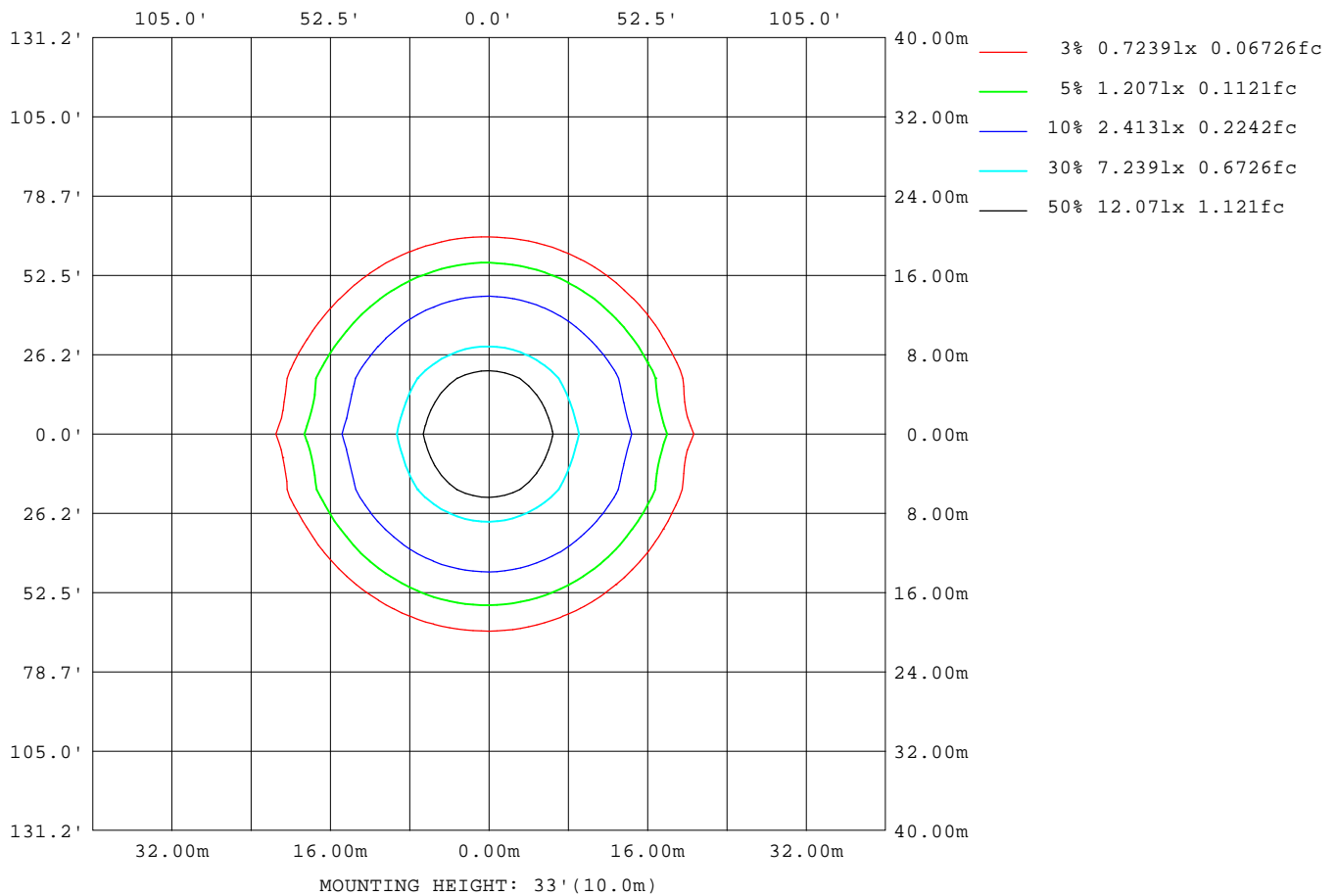
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 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:

ISOLUX DIAGRAM

Test:U:120.07V I:0.3335A P:39.935W PF:0.9972 Freq:59.98Hz Lamp Flux:6516.53x1 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:120.07V I:0.3335A P:39.935W PF:0.9972 Freq:59.98Hz Lamp Flux:6516.53x1 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

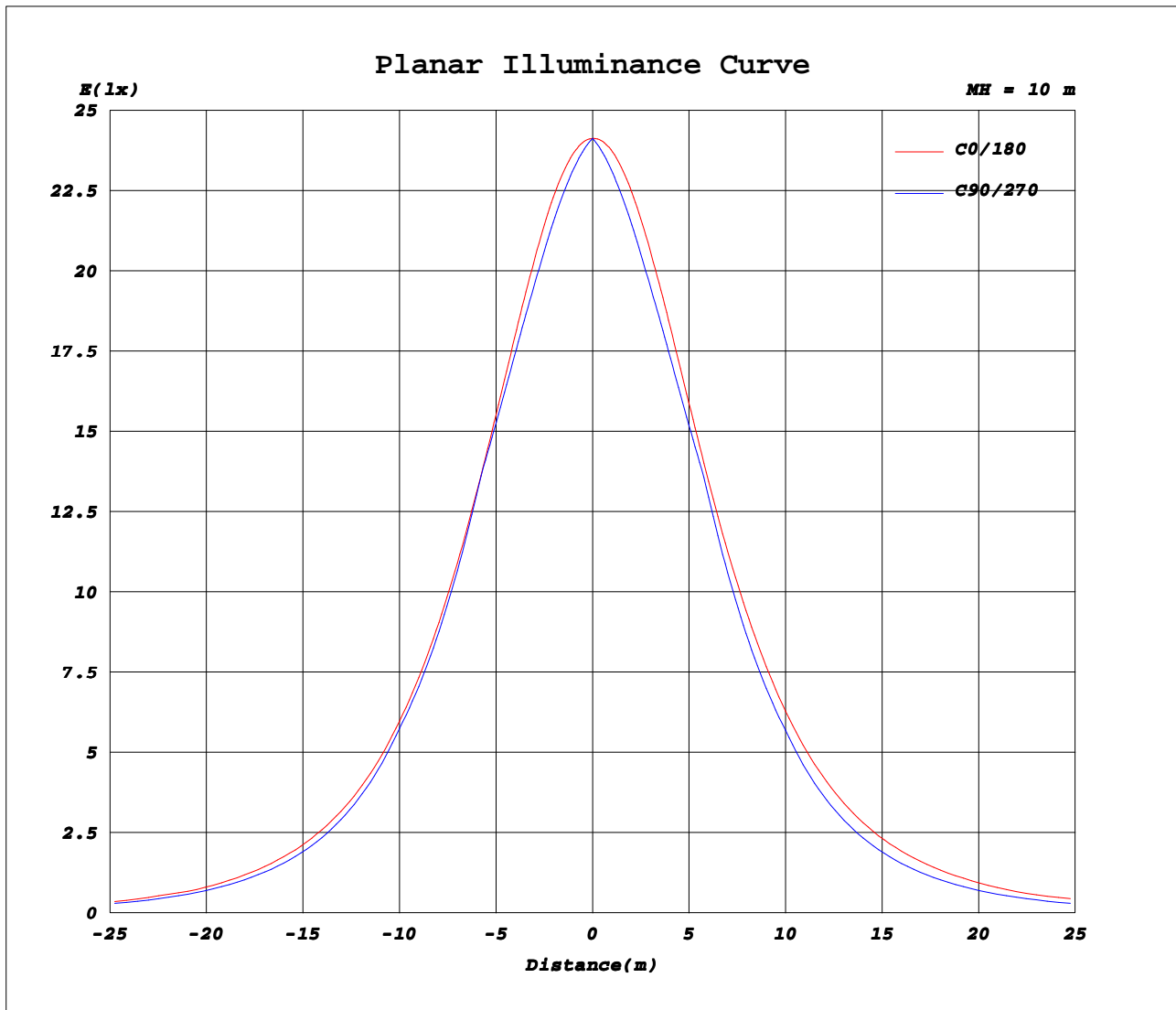
AvgL	cd/m2
L_0~180(65)av	89093
L_0~180(75)av	65989
L_0~180(85)av	15586
L_90~270(65)av	70820
L_90~270(75)av	39379
L_90~270(85)av	0
L_45(65)av	73952
L_45(75)av	48512
L_45(85)av	0

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	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413
2.5	2410	2408	2406	2404	2402	2400	2398	2396	2394	2393
5.0	2403	2399	2395	2391	2387	2384	2380	2377	2374	2371
7.5	2393	2387	2381	2376	2370	2365	2361	2357	2353	2349
10.0	2379	2371	2364	2357	2351	2345	2340	2332	2325	2319
12.5	2360	2351	2343	2335	2328	2320	2309	2300	2292	2285
15.0	2337	2327	2318	2310	2302	2287	2275	2264	2255	2252
17.5	2309	2298	2289	2282	2265	2248	2234	2224	2223	2223
20.0	2277	2265	2256	2245	2222	2203	2191	2191	2192	2193
22.5	2239	2228	2220	2201	2175	2153	2154	2156	2160	2154
25.0	2197	2186	2179	2150	2121	2111	2115	2120	2113	2108
27.5	2151	2141	2132	2093	2062	2068	2075	2068	2061	2060
30.0	2100	2091	2075	2031	2013	2022	2020	2010	2009	2029
32.5	2045	2037	2012	1963	1961	1973	1956	1947	1974	1998
35.0	1984	1978	1943	1893	1907	1903	1887	1908	1939	1950
37.5	1917	1915	1866	1831	1850	1828	1830	1869	1886	1891
40.0	1847	1847	1782	1765	1773	1746	1783	1817	1818	1821
42.5	1771	1775	1692	1695	1684	1681	1737	1739	1742	1740
45.0	1690	1698	1595	1624	1588	1626	1657	1657	1658	1655
47.5	1598	1605	1507	1534	1497	1572	1564	1567	1574	1535
50.0	1501	1500	1420	1425	1433	1476	1469	1479	1443	1413
52.5	1406	1389	1331	1308	1370	1368	1377	1354	1309	1328
55.0	1306	1276	1242	1194	1282	1265	1276	1212	1221	1238
57.5	1200	1154	1147	1125	1159	1171	1124	1109	1130	1095
60.0	1085	1031	1016	1062	1046	1051	991.0	1023	981.3	961.7
62.5	959.5	877.4	878.8	940.4	946.0	884.2	902.6	876.3	850.1	864.9
65.0	835.7	753.6	735.9	797.8	814.4	768.0	774.1	738.0	755.2	746.2
67.5	708.8	655.0	670.1	691.7	631.0	662.5	620.5	651.0	631.9	608.1
70.0	582.1	550.0	584.7	593.0	538.2	504.9	535.7	518.7	505.9	509.5
72.5	461.9	439.8	426.9	396.9	414.2	417.6	407.6	398.0	414.9	409.1
75.0	339.5	295.1	335.2	321.6	296.6	303.1	297.9	320.3	307.0	288.7
77.5	217.1	194.9	213.3	193.7	214.9	207.8	221.8	207.0	194.1	187.8
80.0	118.9	144.4	139.9	141.0	131.5	135.8	122.5	116.9	105.4	95.67
82.5	50.27	69.88	64.27	69.01	70.15	61.20	51.75	44.42	29.98	12.88
85.0	11.14	31.02	27.61	26.68	22.60	12.53	0	0	0	0
87.5	1.865	10.64	10.48	0	0	0	0	0	0	0
90.0	1.941	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	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413
2.5	2391	2390	2389	2388	2387	2386	2386	2386	2386	2386
5.0	2369	2367	2364	2363	2361	2360	2359	2358	2358	2358
7.5	2344	2341	2338	2335	2333	2332	2331	2330	2330	2331
10.0	2314	2310	2307	2305	2303	2302	2302	2302	2303	2304
12.5	2280	2278	2277	2276	2276	2276	2275	2275	2275	2275
15.0	2251	2250	2250	2250	2250	2249	2249	2249	2247	2247
17.5	2223	2223	2223	2221	2221	2221	2222	2222	2222	2223
20.0	2192	2189	2188	2188	2189	2191	2193	2196	2198	2199
22.5	2151	2151	2151	2156	2162	2166	2170	2172	2173	2173
25.0	2108	2116	2125	2133	2139	2144	2147	2148	2148	2147
27.5	2076	2090	2101	2109	2113	2116	2119	2122	2123	2123
30.0	2048	2062	2067	2072	2079	2084	2090	2095	2098	2100
32.5	2009	2015	2024	2034	2028	2024	2021	2020	2020	2022
35.0	1956	1966	1962	1957	1952	1948	1945	1943	1941	1942
37.5	1896	1890	1885	1881	1872	1866	1862	1862	1862	1864
40.0	1816	1812	1798	1786	1780	1778	1778	1780	1783	1786
42.5	1736	1712	1697	1688	1691	1697	1701	1703	1704	1706
45.0	1625	1604	1603	1608	1615	1621	1625	1626	1626	1625
47.5	1509	1517	1525	1531	1526	1519	1515	1514	1514	1516
50.0	1426	1437	1429	1412	1403	1399	1398	1399	1402	1406
52.5	1345	1319	1299	1287	1285	1287	1289	1290	1291	1293
55.0	1208	1185	1180	1181	1181	1182	1182	1181	1179	1179
57.5	1071	1077	1078	1078	1072	1068	1067	1067	1068	1069
60.0	969.8	976.3	964.7	955.0	950.7	949.7	950.1	953.1	956.2	959.2
62.5	860.6	846.0	838.5	831.9	833.4	834.5	835.2	836.5	836.9	838.5
65.0	727.0	717.6	724.5	722.8	723.1	721.2	720.8	719.9	717.6	717.4
67.5	613.0	615.5	618.6	612.4	606.7	601.4	599.7	599.4	599.7	599.2
70.0	514.2	506.1	498.2	490.0	483.0	478.8	477.8	478.8	481.8	481.2
72.5	396.9	383.5	374.0	371.0	365.6	361.9	361.6	361.1	361.8	361.3
75.0	280.7	272.5	265.6	260.3	253.5	246.7	246.0	243.4	241.8	241.4
77.5	179.3	168.5	158.8	150.2	140.3	131.0	126.7	122.6	120.9	121.6
80.0	84.35	69.74	54.65	40.36	26.82	15.43	7.118	1.801	0	1.787
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	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413
2.5	2386	2387	2387	2388	2389	2390	2392	2393	2395	2397
5.0	2359	2359	2360	2361	2363	2366	2368	2371	2374	2378
7.5	2331	2332	2334	2336	2338	2340	2343	2345	2349	2354
10.0	2304	2306	2308	2310	2312	2315	2318	2321	2324	2328
12.5	2276	2277	2278	2281	2284	2288	2292	2295	2299	2303
15.0	2246	2246	2246	2248	2250	2254	2259	2266	2273	2277
17.5	2222	2221	2220	2218	2216	2218	2223	2229	2237	2247
20.0	2199	2199	2197	2196	2193	2190	2187	2187	2195	2206
22.5	2173	2172	2171	2171	2170	2166	2161	2155	2148	2159
25.0	2145	2143	2140	2138	2136	2136	2135	2126	2117	2108
27.5	2122	2118	2112	2103	2098	2095	2094	2096	2086	2073
30.0	2100	2096	2090	2081	2069	2054	2048	2047	2051	2037
32.5	2027	2034	2044	2058	2045	2028	2008	1993	1994	2000
35.0	1944	1949	1956	1967	1984	2002	1980	1952	1931	1935
37.5	1867	1869	1871	1874	1888	1909	1937	1919	1884	1867
40.0	1790	1793	1795	1797	1799	1807	1831	1864	1848	1805
42.5	1708	1711	1715	1721	1723	1724	1722	1752	1794	1764
45.0	1624	1622	1623	1628	1638	1646	1643	1641	1676	1724
47.5	1519	1523	1526	1531	1537	1548	1565	1559	1554	1604
50.0	1411	1416	1421	1427	1433	1439	1453	1478	1470	1473
52.5	1297	1303	1312	1323	1329	1334	1337	1356	1388	1371
55.0	1181	1184	1191	1201	1217	1231	1233	1235	1257	1285
57.5	1070	1073	1075	1076	1088	1104	1129	1133	1124	1157
60.0	962.0	965.7	969.2	970.1	970.5	969.3	992.8	1021	1023	1013
62.5	842.0	847.8	856.0	864.7	866.7	864.1	865.2	877.5	908.9	912.4
65.0	719.6	724.2	730.0	737.4	747.2	757.4	763.6	756.9	762.4	803.3
67.5	602.2	605.9	609.5	612.4	617.5	629.1	646.5	657.4	650.0	652.3
70.0	485.8	490.3	496.3	501.3	504.2	509.4	515.8	529.6	550.3	543.9
72.5	365.5	370.6	378.8	387.2	395.9	403.3	408.8	408.5	420.2	440.5
75.0	244.5	249.2	257.5	264.6	274.1	288.4	303.4	311.7	315.2	313.8
77.5	125.6	131.7	140.8	148.3	156.8	168.4	184.7	198.3	218.6	226.7
80.0	7.057	15.52	26.90	39.78	54.02	69.20	83.33	92.40	103.2	126.1
82.5	0	0	0	0	0	0	0	12.53	28.64	41.58
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	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413
2.5	2399	2401	2404	2406	2408	2411	2414	2411	2408	2406
5.0	2382	2386	2391	2396	2401	2406	2412	2406	2401	2395
7.5	2360	2366	2373	2380	2388	2396	2405	2396	2388	2379
10.0	2333	2341	2350	2360	2370	2382	2394	2381	2369	2358
12.5	2308	2313	2322	2334	2348	2363	2379	2362	2347	2333
15.0	2282	2286	2292	2305	2322	2341	2361	2340	2321	2303
17.5	2253	2257	2261	2270	2291	2313	2337	2312	2289	2268
20.0	2219	2225	2229	2235	2255	2282	2311	2281	2253	2231
22.5	2174	2191	2194	2197	2213	2245	2280	2244	2211	2194
25.0	2123	2142	2155	2157	2166	2203	2243	2201	2164	2153
27.5	2065	2086	2112	2113	2115	2155	2203	2154	2113	2110
30.0	2019	2023	2052	2065	2064	2101	2157	2100	2061	2062
32.5	1977	1955	1985	2014	2009	2042	2105	2041	2007	2010
35.0	1935	1907	1911	1955	1952	1978	2050	1976	1949	1951
37.5	1876	1859	1831	1879	1891	1909	1990	1907	1887	1873
40.0	1801	1810	1767	1795	1826	1834	1926	1833	1823	1791
42.5	1719	1735	1709	1704	1757	1751	1856	1750	1756	1702
45.0	1664	1646	1651	1605	1684	1660	1779	1658	1682	1602
47.5	1618	1549	1579	1521	1587	1575	1695	1573	1584	1517
50.0	1540	1487	1474	1450	1479	1487	1609	1484	1475	1446
52.5	1396	1433	1362	1378	1361	1393	1515	1391	1357	1375
55.0	1260	1335	1271	1297	1239	1299	1417	1296	1233	1298
57.5	1172	1178	1210	1175	1117	1204	1318	1200	1108	1181
60.0	1066	1048	1128	1054	1034	1106	1217	1104	1032	1048
62.5	916.6	960.2	968.0	951.5	955.2	1012	1104	1015	957.3	953.0
65.0	796.5	821.0	819.5	883.7	863.7	868.0	971.6	862.4	866.2	890.1
67.5	698.8	658.8	732.0	736.5	704.0	726.3	865.1	723.3	702.9	747.9
70.0	545.4	577.5	564.9	566.5	556.3	565.0	723.1	557.3	561.6	566.8
72.5	438.9	437.6	441.7	487.7	503.8	425.4	598.6	417.8	511.5	491.6
75.0	335.0	330.6	341.8	325.0	364.7	358.0	480.3	353.4	367.5	332.6
77.5	223.4	234.3	226.5	255.3	257.8	266.0	351.5	261.5	256.8	261.2

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]

80.0	146.0	144.1	146.8	134.2	130.2	146.1	235.0	146.6	131.3	139.7
82.5	49.44	71.64	82.82	78.56	79.05	78.92	131.1	80.08	82.27	83.33
85.0	0	11.96	20.82	36.81	32.96	25.92	54.07	24.41	35.70	40.62
87.5	0	0	0	0	9.979	11.43	11.79	8.175	10.69	0
90.0	0	0	0	0	0	0	1.885	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	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413
2.5	2403	2401	2398	2396	2394	2392	2391	2389	2388	2387
5.0	2390	2385	2380	2376	2372	2369	2366	2364	2361	2359
7.5	2372	2364	2358	2352	2347	2343	2340	2337	2334	2332
10.0	2348	2339	2330	2326	2321	2317	2314	2311	2308	2304
12.5	2320	2310	2304	2300	2295	2291	2288	2284	2279	2275
15.0	2288	2282	2277	2272	2268	2261	2254	2249	2245	2242
17.5	2258	2252	2248	2242	2231	2222	2215	2210	2209	2211
20.0	2225	2220	2214	2199	2188	2179	2178	2182	2185	2188
22.5	2189	2185	2167	2151	2140	2145	2152	2157	2161	2162
25.0	2150	2136	2115	2099	2108	2117	2126	2127	2127	2128
27.5	2108	2080	2058	2065	2077	2087	2085	2086	2088	2094
30.0	2048	2018	2013	2030	2042	2039	2040	2045	2059	2070
32.5	1980	1949	1973	1994	1988	1987	2000	2019	2035	2047
35.0	1906	1901	1932	1932	1929	1947	1973	1994	1975	1956
37.5	1824	1853	1873	1864	1882	1916	1931	1900	1878	1863
40.0	1762	1805	1797	1803	1846	1861	1824	1798	1788	1785
42.5	1706	1731	1717	1762	1793	1748	1716	1713	1710	1708
45.0	1649	1645	1663	1724	1674	1635	1634	1633	1623	1613
47.5	1579	1550	1617	1602	1550	1551	1554	1532	1519	1513
50.0	1475	1490	1540	1470	1465	1467	1440	1424	1415	1411
52.5	1365	1439	1399	1368	1380	1346	1322	1319	1314	1310
55.0	1278	1341	1264	1281	1249	1223	1220	1220	1205	1190
57.5	1222	1186	1173	1154	1116	1123	1120	1096	1079	1067
60.0	1143	1057	1067	1009	1016	1013	985.0	965.6	964.7	964.5
62.5	972.6	968.0	916.7	908.5	904.1	869.1	860.5	862.7	863.5	861.8
65.0	820.2	822.1	797.9	800.0	758.3	750.6	759.6	759.1	746.8	736.0
67.5	735.6	666.1	700.8	650.7	646.6	650.0	644.5	630.6	620.0	613.1
70.0	567.7	578.8	542.9	540.8	545.3	528.6	513.7	510.7	508.4	502.9
72.5	447.7	441.8	435.8	436.6	421.6	411.3	409.6	406.0	401.6	390.2
75.0	349.3	333.4	333.5	316.2	318.1	317.0	307.2	293.0	281.3	270.2
77.5	235.9	240.8	224.7	231.9	224.2	205.9	193.0	175.3	163.4	153.8
80.0	156.0	149.4	150.2	131.8	110.0	99.46	89.42	72.21	56.06	41.37
82.5	88.31	77.10	54.79	45.03	30.92	13.47	0	0	0	0
85.0	23.54	13.37	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	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413
2.5	2386	2385	2384	2384	2384	2384	2384	2384	2385	2386
5.0	2357	2356	2356	2355	2354	2355	2355	2356	2358	2359
7.5	2329	2327	2326	2325	2325	2325	2325	2327	2328	2330
10.0	2302	2299	2297	2296	2295	2295	2295	2295	2296	2299
12.5	2272	2270	2268	2267	2266	2266	2266	2266	2267	2268
15.0	2240	2238	2237	2237	2237	2237	2238	2239	2239	2241
17.5	2213	2213	2213	2212	2212	2211	2211	2210	2211	2211
20.0	2189	2190	2189	2188	2187	2185	2183	2181	2180	2179
22.5	2162	2163	2163	2163	2163	2162	2159	2156	2152	2148
25.0	2130	2133	2135	2137	2138	2139	2137	2134	2130	2125
27.5	2101	2107	2111	2113	2113	2112	2109	2106	2103	2100
30.0	2078	2084	2088	2089	2089	2085	2080	2075	2069	2064
32.5	2032	2022	2015	2011	2009	2009	2010	2014	2019	2026
35.0	1944	1936	1932	1930	1929	1930	1932	1936	1942	1949
37.5	1859	1855	1854	1851	1848	1848	1848	1853	1861	1872
40.0	1783	1780	1777	1772	1768	1765	1763	1765	1769	1777
42.5	1702	1697	1694	1692	1689	1686	1684	1683	1680	1679
45.0	1609	1609	1609	1611	1610	1608	1607	1607	1604	1599
47.5	1511	1510	1507	1504	1499	1497	1500	1506	1514	1521
50.0	1408	1405	1401	1396	1389	1385	1386	1389	1394	1405
52.5	1301	1293	1288	1284	1281	1278	1278	1279	1279	1282
55.0	1180	1175	1174	1172	1173	1171	1173	1176	1177	1178
57.5	1065	1065	1066	1065	1063	1059	1061	1065	1070	1077
60.0	961.9	959.9	959.8	957.2	952.7	947.4	947.5	949.4	952.1	956.3
62.5	850.3	842.8	840.4	837.0	835.9	831.3	832.2	834.5	836.0	834.3
65.0	726.6	719.7	718.5	716.5	719.1	715.0	716.6	720.2	724.0	724.7
67.5	608.3	602.9	602.0	599.3	600.2	594.7	597.0	599.9	606.9	613.1
70.0	495.7	488.8	486.6	482.1	481.4	474.3	476.4	477.2	483.2	488.5

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	379.6	370.0	367.5	362.5	364.4	357.4	359.3	359.8	364.7	367.9
75.0	260.8	250.0	247.8	243.0	247.4	240.6	243.1	244.0	250.9	256.3
77.5	143.7	132.6	127.5	122.4	123.7	121.2	125.2	129.3	138.4	146.7
80.0	27.51	15.63	7.163	1.799	0	1.780	7.041	15.23	26.47	39.41
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	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413
2.5	2387	2388	2390	2391	2393	2395	2397	2399	2401	2403
5.0	2361	2363	2366	2369	2372	2375	2378	2382	2386	2390
7.5	2333	2336	2340	2345	2350	2354	2358	2363	2369	2374
10.0	2301	2305	2309	2314	2321	2328	2336	2342	2349	2355
12.5	2269	2271	2275	2281	2288	2296	2306	2317	2326	2334
15.0	2241	2243	2245	2247	2250	2259	2270	2284	2299	2308
17.5	2213	2214	2216	2217	2219	2229	2244	2262	2279	2299
20.0	2179	2181	2184	2186	2185	2186	2200	2219	2243	2279
22.5	2144	2143	2144	2146	2151	2150	2149	2150	2172	2198
25.0	2117	2108	2100	2101	2106	2114	2110	2108	2119	2148
27.5	2093	2083	2069	2055	2055	2063	2070	2065	2060	2092
30.0	2059	2055	2042	2024	2005	2006	2017	2020	2011	2030
32.5	2017	2009	2004	1994	1971	1945	1954	1971	1960	1962
35.0	1955	1961	1953	1948	1937	1906	1885	1902	1905	1892
37.5	1878	1885	1894	1888	1884	1866	1828	1827	1849	1829
40.0	1791	1807	1813	1819	1816	1815	1783	1745	1772	1764
42.5	1690	1707	1733	1737	1742	1740	1738	1682	1684	1695
45.0	1596	1600	1620	1651	1657	1658	1660	1629	1589	1624
47.5	1517	1511	1504	1530	1571	1570	1570	1576	1500	1535
50.0	1421	1431	1420	1408	1441	1482	1476	1483	1437	1427
52.5	1294	1314	1339	1322	1309	1358	1384	1377	1376	1313
55.0	1177	1183	1203	1232	1221	1218	1283	1274	1288	1202
57.5	1076	1075	1070	1091	1130	1116	1134	1180	1168	1133
60.0	964.1	977.1	971.6	961.2	984.0	1031	1002	1057	1059	1070
62.5	840.1	851.2	865.9	864.0	856.6	882.7	915.2	890.2	956.2	951.6
65.0	725.7	726.3	733.3	746.6	760.3	746.7	782.6	775.0	826.3	804.9
67.5	619.4	620.9	616.5	613.0	637.2	652.1	622.1	672.8	640.7	697.5
70.0	498.4	509.3	518.5	511.6	502.5	525.9	539.5	517.2	547.6	600.2
72.5	372.8	385.4	396.1	409.5	413.8	404.0	410.5	427.8	426.1	411.8
75.0	264.2	271.5	276.9	287.9	303.9	322.9	305.6	314.4	307.1	334.7
77.5	157.2	164.1	175.5	184.0	191.3	205.6	223.8	215.3	226.9	202.4
80.0	53.87	67.97	81.83	91.34	100.8	112.4	123.4	141.0	140.4	150.3
82.5	0	0	0	12.33	28.40	41.31	49.52	61.09	72.58	73.16
85.0	0	0	0	0	0	0	0	11.97	21.09	26.78
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	2413	2413								
2.5	2406	2408								
5.0	2394	2399								
7.5	2380	2387								
10.0	2363	2371								
12.5	2342	2351								
15.0	2317	2326								
17.5	2287	2297								
20.0	2255	2265								
22.5	2219	2228								
25.0	2178	2186								
27.5	2132	2141								
30.0	2074	2090								
32.5	2011	2037								
35.0	1942	1978								
37.5	1866	1915								
40.0	1782	1847								
42.5	1692	1774								
45.0	1595	1698								
47.5	1508	1605								
50.0	1423	1501								
52.5	1337	1392								
55.0	1250	1278								
57.5	1151	1155								
60.0	1017	1032								
62.5	880.3	877.5								

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	743.1	758.1
67.5	675.4	654.9
70.0	591.2	551.9
72.5	434.0	451.0
75.0	343.3	301.5
77.5	220.5	200.1
80.0	147.6	149.9
82.5	67.38	72.86
85.0	27.97	31.47
87.5	9.450	7.883
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: