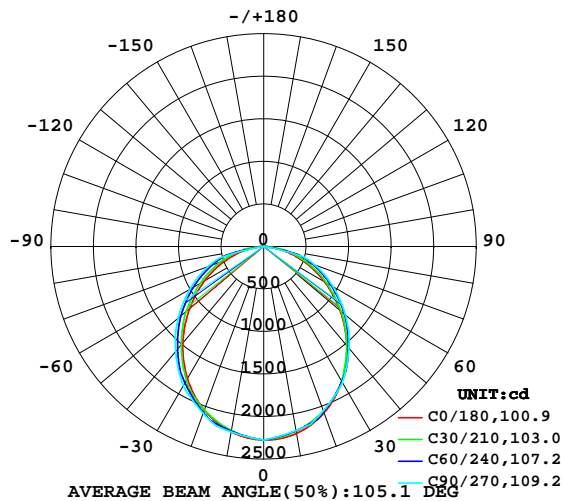


LUMINAIRE PHOTOMETRIC TEST REPORT

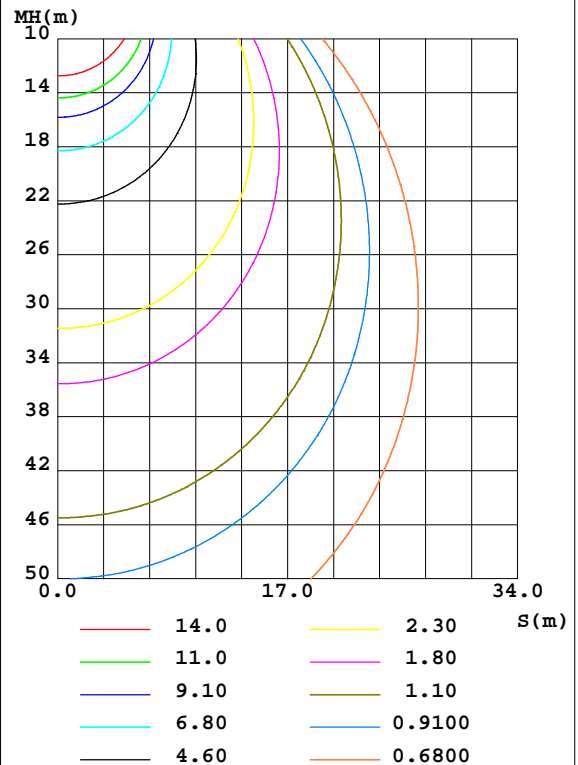
Test:U:120.21V I:0.3488A P:41.855W PF:0.9982 Freq:59.98Hz Lamp Flux:5984.92x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 142.99 lm/W			
MODEL	GHLV-07-U	Imax(cd)	2276	S/MH(C0/180)	1.18
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	5984.9	η UP,DN(C0-180)	0.0,49.3
NOMINAL FLUX(lm)	5984.92	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.7
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:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2231	2200	2198	2189	2212	2199	2213	2211	0- 10	213.1	213.1	3.56,3.56
20	2080	2075	2056	2053	2046	2073	2086	2095	10- 20	605.3	818.3	13.7,13.7
30	1835	1825	1850	1799	1793	1827	1894	1855	20- 30	900.1	1718	28.7,28.7
40	1522	1545	1559	1519	1479	1553	1611	1583	30- 40	1058	2777	46.4,46.4
50	1173	1211	1255	1190	1137	1227	1312	1251	40- 50	1066	3843	64.2,64.2
60	822.1	884.5	937.7	868.1	795.5	906.6	997.1	924.5	50- 60	943.4	4786	80,80
70	482.7	573.3	640.5	560.7	467.9	599.9	697.6	612.5	60- 70	726.1	5512	92.1,92.1
80	175.6	248.2	0	242.8	172.5	271.5	0	278.8	70- 80	428.5	5941	99.3,99.3
90	1.653	0	0	0	1.944	0	0	0	80- 90	44.08	5985	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): 3317.4 lm

%lum = 55.4%

%lamp = 55.4%

Conical surface Flux(120deg): 4786.2 lm

%lum = 80.0%

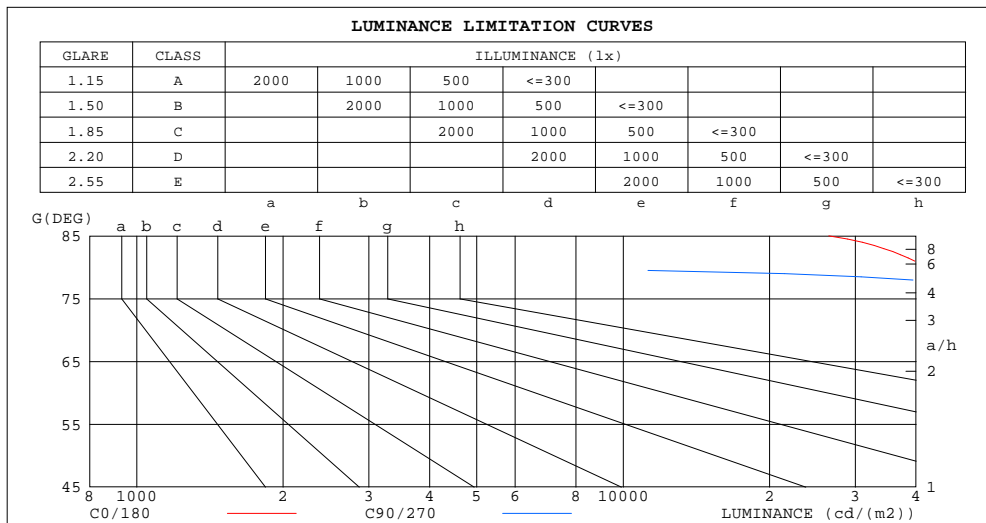
%lamp = 80.0%

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.21V I:0.3488A P:41.855W PF:0.9982 Freq:59.98Hz Lamp Flux:5984.92x1 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	26458	0
80	42137	0
75	52006	79195
70	58805	78033
65	64091	77802
60	68507	78144
55	72379	79660
50	76047	81380
45	79496	83339

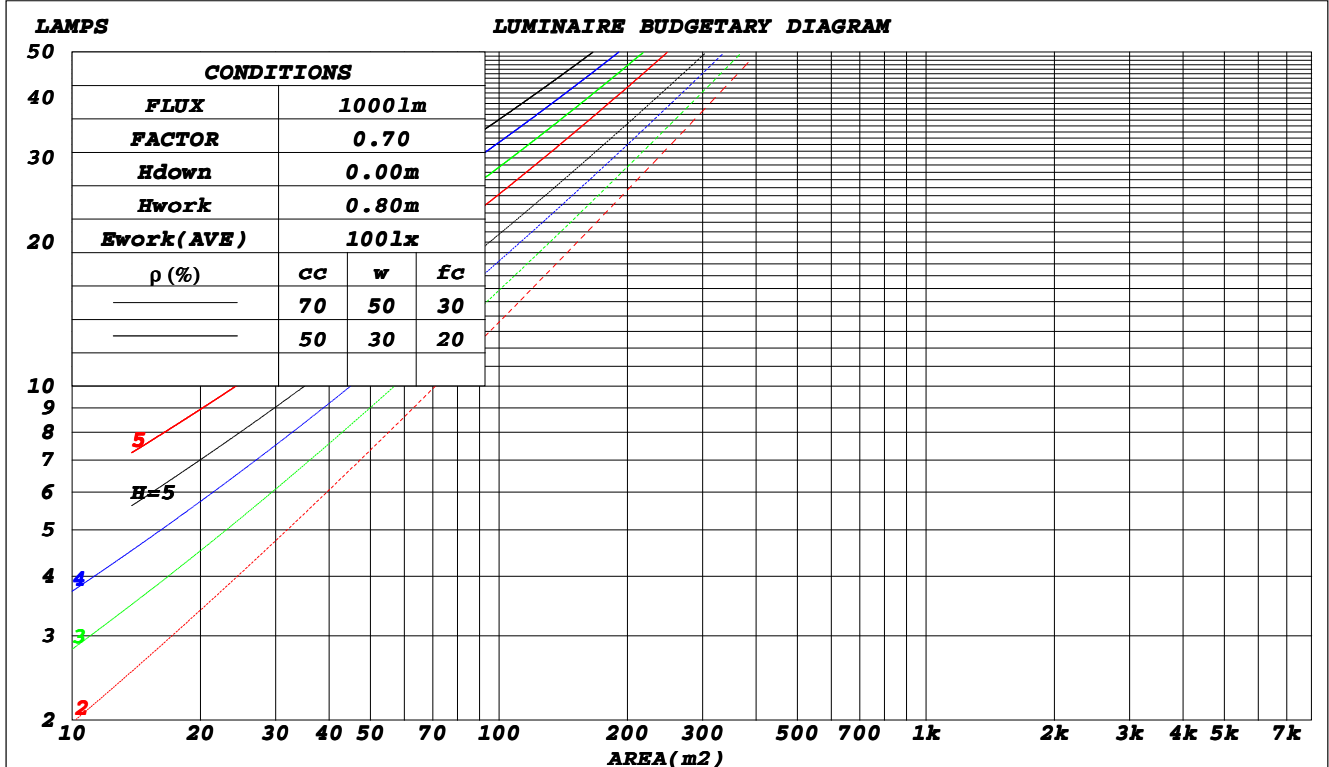
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.21V I:0.3488A P:41.855W PF:0.9982 Freq:59.98Hz Lamp Flux:5984.92x1 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:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.21V I:0.3488A P:41.855W PF:0.9982 Freq:59.98Hz Lamp Flux:5984.92x1 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	.297	.169	.053	.290	.165	.052	.276	.159	.051	.264	.152	.049	.253	.147	.047		
2.0	.284	.156	.048	.278	.153	.047	.266	.148	.046	.256	.143	.045	.246	.139	.044		
3.0	.265	.141	.042	.259	.139	.042	.249	.135	.041	.239	.131	.040	.230	.128	.039		
4.0	.245	.127	.037	.240	.126	.037	.231	.123	.037	.223	.120	.036	.215	.117	.036		
5.0	.227	.116	.034	.223	.114	.033	.215	.112	.033	.207	.109	.032	.200	.107	.032		
6.0	.211	.106	.030	.207	.105	.030	.200	.102	.030	.193	.100	.029	.187	.098	.029		
7.0	.196	.097	.028	.193	.096	.027	.187	.094	.027	.181	.093	.027	.175	.091	.027		
8.0	.184	.090	.025	.181	.089	.025	.175	.087	.025	.169	.086	.025	.164	.084	.025		
9.0	.172	.083	.023	.170	.083	.023	.164	.081	.023	.159	.080	.023	.155	.079	.023		
10.0	.162	.078	.022	.160	.077	.022	.155	.076	.021	.151	.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	.179	.156	.135	.153	.134	.117	.105	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.171	.132	.099	.147	.114	.086	.100	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.163	.114	.075	.140	.099	.065	.096	.068	.046	.056	.040	.027	.018	.013	.009	
4.0	.156	.101	.059	.134	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.148	.090	.048	.127	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.141	.082	.040	.121	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.034	.116	.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	

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jessy
 Test Date:2024-12-03

$V(B)$ Range:-75 - 75DEG
 $V(B)$ Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65%
 Test Distance:6.998m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.21V I:0.3488A P:41.855W PF:0.9982 Freq:59.98Hz Lamp Flux:5984.92x1 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	21.3	22.8	21.6	23.0	23.2	21.9	23.4	22.2	23.6	23.8
3H	22.6	24.0	22.9	24.2	24.5	23.6	25.0	23.9	25.3	25.5
4H	23.1	24.4	23.4	24.7	24.9	24.4	25.8	24.7	26.0	26.3
6H	23.4	24.7	23.7	24.9	25.2	24.5	25.8	24.9	26.1	26.3
8H	23.5	24.7	23.8	25.0	25.2	24.5	25.7	24.8	26.0	26.3
12H	23.5	24.6	23.8	24.9	25.2	24.4	25.6	24.8	25.9	26.2
4H 2H	22.0	23.3	22.3	23.6	23.8	22.5	23.8	22.8	24.0	24.3
3H	23.5	24.7	23.9	25.0	25.3	24.4	25.6	24.8	25.9	26.2
4H	24.1	25.2	24.5	25.5	25.8	25.4	26.4	25.7	26.7	27.1
6H	24.6	25.5	25.0	25.8	26.2	25.5	26.5	25.9	26.8	27.2
8H	24.7	25.5	25.1	25.9	26.3	25.5	26.3	25.9	26.7	27.1
12H	24.7	25.5	25.2	25.9	26.3	25.4	26.2	25.9	26.6	27.0
8H 4H	24.6	25.4	25.0	25.8	26.2	25.6	26.5	26.0	26.9	27.2
6H	25.2	25.9	25.6	26.3	26.7	25.9	26.6	26.3	27.0	27.4
8H	25.4	26.0	25.9	26.5	26.9	25.8	26.4	26.3	26.9	27.3
12H	25.5	26.1	26.0	26.5	27.0	25.8	26.3	26.3	26.8	27.2
12H 4H	24.6	25.4	25.0	25.7	26.1	25.6	26.4	26.1	26.8	27.2
6H	25.2	25.8	25.7	26.3	26.7	25.9	26.5	26.3	26.9	27.4
8H	25.4	26.0	25.9	26.4	26.9	25.8	26.4	26.3	26.8	27.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				
2.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.4				

CIE Pub.117, 5985 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 6.2$)
Area: 0.024 m²

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.21V I:0.3488A P:41.855W PF:0.9982 Freq:59.98Hz Lamp Flux:5984.92x1 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

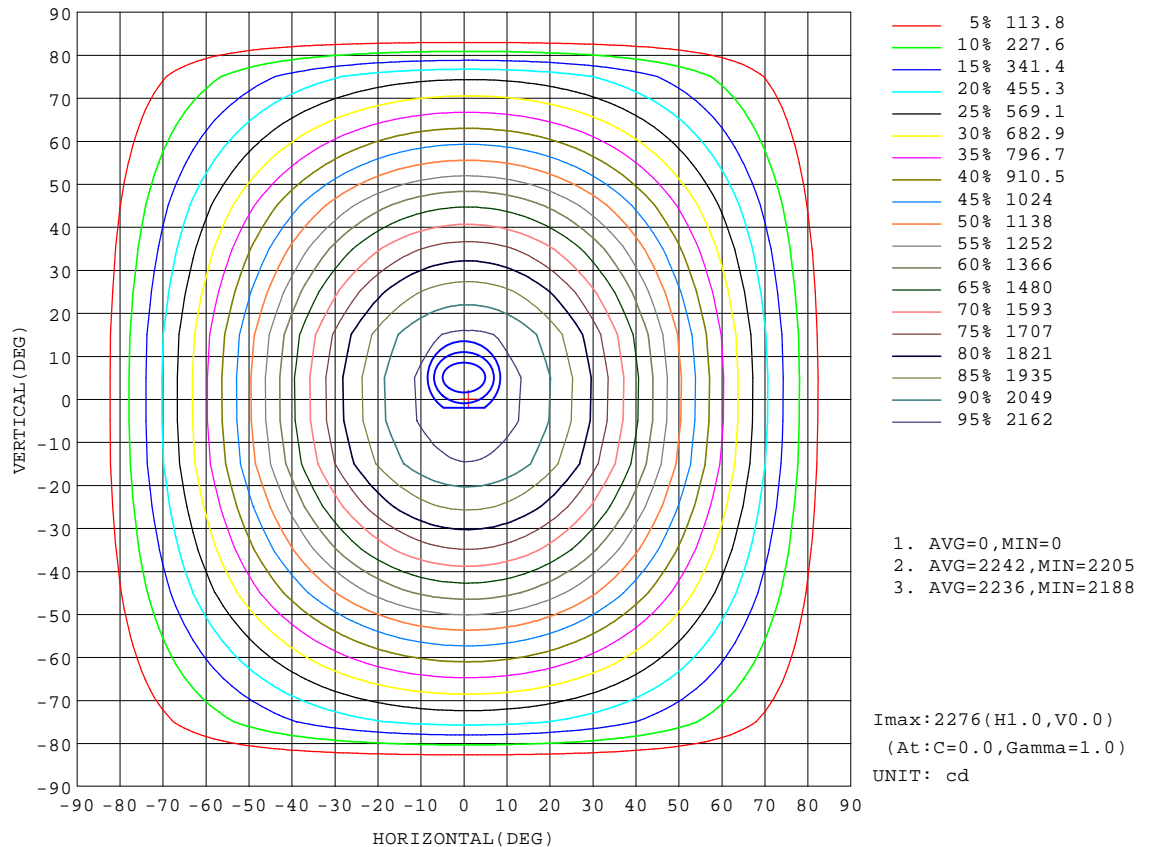
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	47	40	58	47	40	57	46	40	34
0.80	69	57	50	68	57	50	66	56	49	43
1.00	77	66	59	76	65	59	74	67	58	51
1.25	84	74	67	83	73	66	80	72	66	58
1.50	89	79	72	87	78	72	84	77	71	63
2.00	96	87	81	94	86	80	90	84	79	71
2.50	100	92	86	98	91	85	94	88	83	75
3.00	103	96	91	101	95	90	97	92	88	79
4.00	107	101	97	104	100	96	100	96	93	84
5.00	109	105	101	107	103	99	102	99	96	87
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:2024-12-03

$V(B)$ Range:-75 - 75DEG
 $V(B)$ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.21V I:0.3488A P:41.855W PF:0.9982 Freq:59.98Hz Lamp Flux:5984.92x1 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



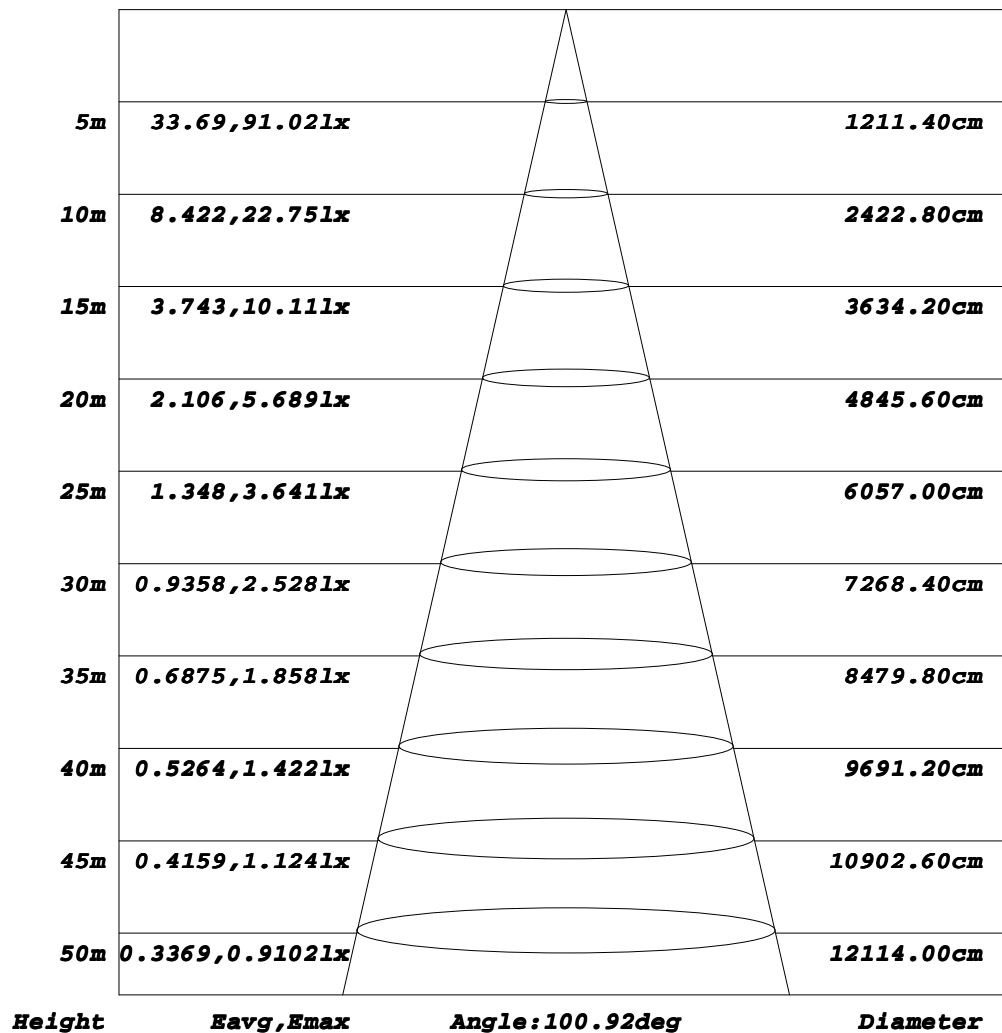
H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessie
Test Date: 2024-12-03

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65%
Test Distance: 6.998m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.21V I:0.3488A P:41.855W PF:0.9982 Freq:59.98Hz Lamp Flux:5984.92x1 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:3894 lm



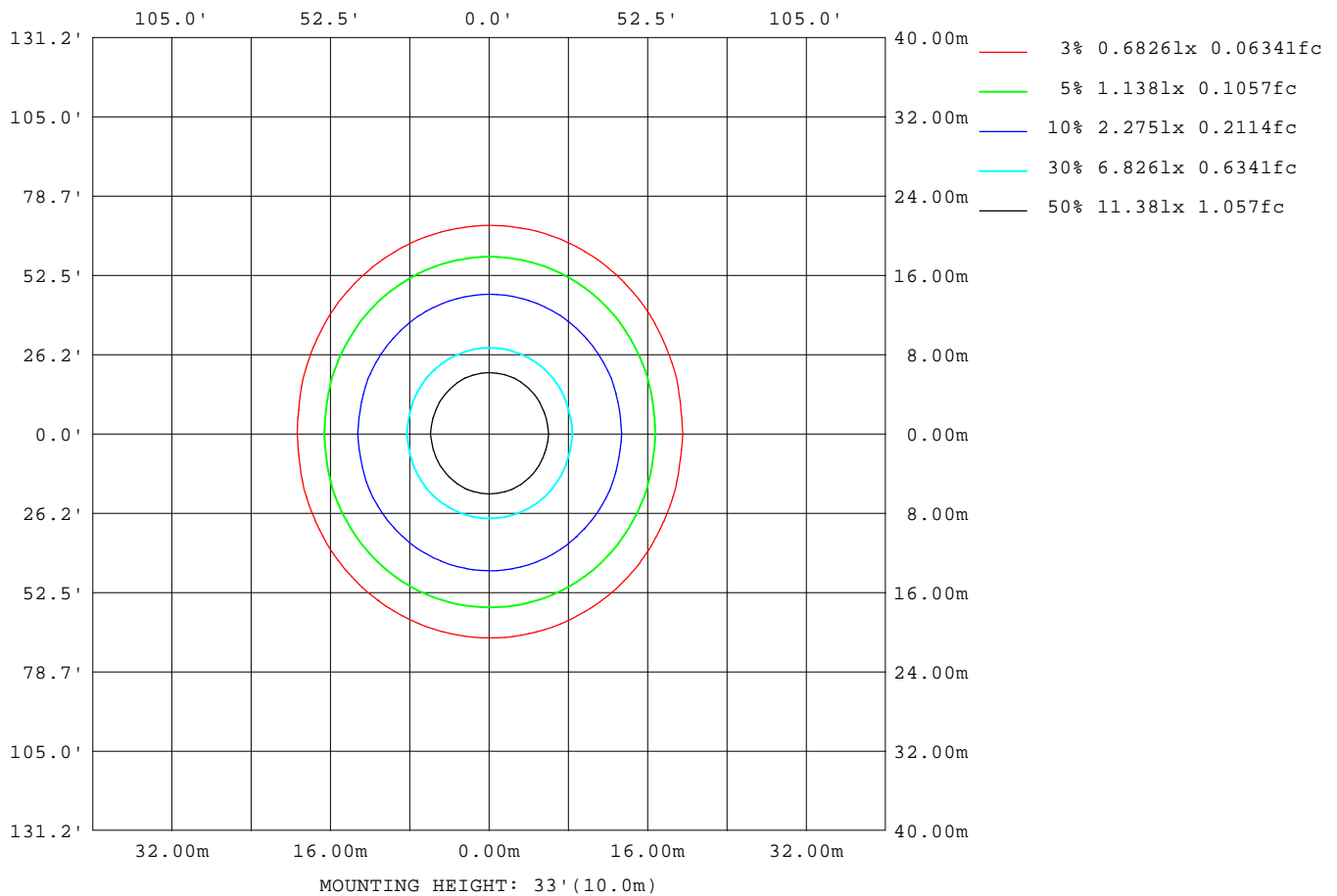
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessy
Test Date: 2024-12-03

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65%
Test Distance: 6.998m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.21V I:0.3488A P:41.855W PF:0.9982 Freq:59.98Hz Lamp Flux:5984.92x1 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:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.21V I:0.3488A P:41.855W PF:0.9982 Freq:59.98Hz Lamp Flux:5984.92x1 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

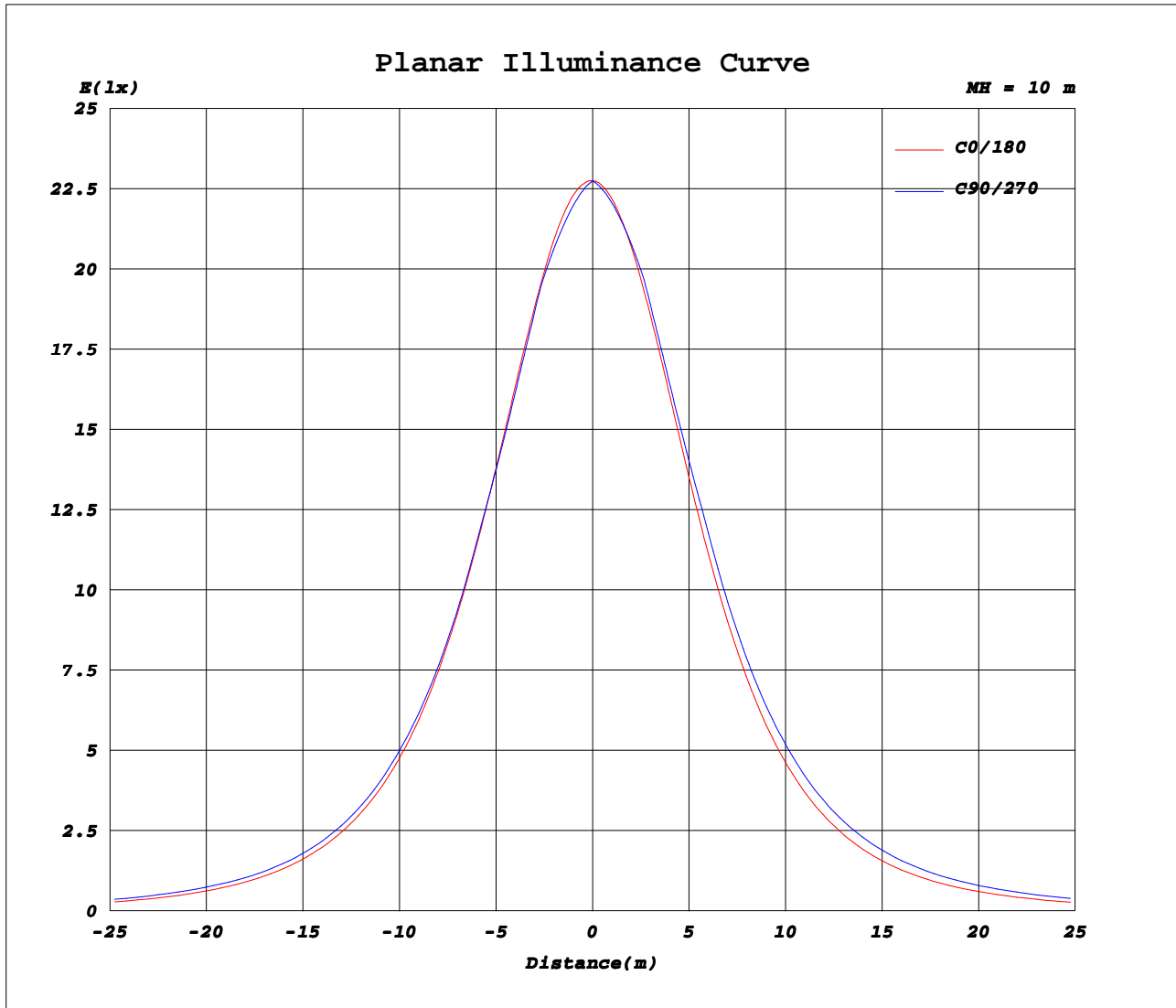
AvgL	cd/m2
L_0~180(65)av	63068
L_0~180(75)av	51267
L_0~180(85)av	27040
L_90~270(65)av	80671
L_90~270(75)av	83689
L_90~270(85)av	0
L_45(65)av	72688
L_45(75)av	71460
L_45(85)av	0

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

Photometric Data Table [cd]

G/C	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
0.0	2275	2275	2275	2275	2275	2275	2275	2275	2275	2275
2.5	2274	2272	2270	2269	2267	2266	2265	2264	2263	2262
5.0	2267	2263	2260	2257	2255	2252	2250	2248	2246	2244
7.5	2252	2247	2243	2239	2235	2232	2230	2227	2226	2224
10.0	2231	2224	2219	2214	2210	2207	2204	2202	2201	2200
12.5	2203	2195	2189	2184	2179	2176	2174	2173	2173	2173
15.0	2168	2159	2152	2146	2142	2140	2139	2140	2141	2143
17.5	2127	2117	2109	2104	2100	2099	2100	2102	2106	2110
20.0	2080	2068	2060	2055	2053	2053	2056	2061	2067	2075
22.5	2027	2014	2006	2002	2001	2003	2008	2016	2025	2020
25.0	1968	1955	1946	1943	1943	1948	1957	1968	1961	1956
27.5	1905	1890	1882	1880	1883	1890	1901	1898	1894	1892
30.0	1835	1821	1813	1812	1817	1828	1832	1826	1824	1825
32.5	1762	1747	1740	1740	1749	1762	1754	1752	1753	1757
35.0	1684	1669	1663	1666	1677	1680	1676	1676	1681	1689
37.5	1604	1589	1584	1589	1602	1597	1596	1600	1608	1619
40.0	1522	1506	1502	1509	1518	1513	1516	1524	1535	1545
42.5	1436	1420	1418	1429	1430	1429	1435	1447	1459	1460
45.0	1349	1334	1334	1347	1343	1345	1355	1370	1373	1376
47.5	1261	1247	1248	1259	1255	1261	1275	1283	1286	1293
50.0	1173	1159	1163	1169	1168	1178	1192	1195	1202	1211
52.5	1084	1071	1077	1079	1083	1097	1103	1109	1119	1130
55.0	996.4	984.1	992.4	990.9	998.4	1012	1016	1025	1038	1051
57.5	908.6	897.2	907.2	904.3	916.3	923.1	930.7	943.0	957.6	966.9
60.0	822.1	811.3	817.9	819.0	833.8	837.1	847.9	863.4	873.7	884.5
62.5	735.4	726.2	730.3	736.7	745.6	753.6	768.1	779.8	791.5	803.9
65.0	650.1	642.1	644.8	656.1	661.0	673.0	686.6	698.2	711.3	724.9
67.5	565.7	559.5	561.8	572.6	579.3	594.4	605.4	618.9	633.6	647.6
70.0	482.7	478.7	481.4	489.4	501.5	513.6	527.1	542.3	558.0	573.3
72.5	401.8	399.2	404.5	410.0	423.5	436.5	452.0	468.4	485.0	500.8
75.0	323.0	319.1	325.7	335.9	347.2	363.1	380.3	397.5	414.2	429.7
77.5	246.1	243.3	250.7	262.5	275.8	294.4	312.0	328.9	345.1	359.8
80.0	175.6	174.4	183.5	195.0	210.8	229.6	246.6	262.7	277.6	288.2
82.5	112.3	112.4	122.1	135.8	152.2	168.0	177.6	183.4	184.49	183.60
85.0	55.34	59.39	71.70	85.17	89.02	47.86	0	0	0	0
87.5	7.454	20.60	28.35	0	0	0	0	0	0	0
90.0	1.653	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	2275	2275	2275	2275	2275	2275	2275	2275	2275	2275
2.5	2261	2260	2259	2258	2258	2257	2256	2256	2256	2256
5.0	2242	2241	2240	2239	2239	2238	2238	2237	2236	2236
7.5	2223	2221	2220	2219	2219	2219	2218	2218	2217	2217
10.0	2200	2199	2199	2199	2199	2198	2198	2198	2198	2197
12.5	2174	2175	2176	2177	2178	2178	2179	2179	2178	2177
15.0	2146	2149	2151	2154	2157	2158	2159	2159	2159	2157
17.5	2116	2120	2122	2118	2115	2112	2110	2108	2108	2106
20.0	2075	2071	2067	2064	2062	2060	2058	2057	2056	2054
22.5	2016	2012	2011	2009	2008	2007	2007	2005	2004	2003
25.0	1954	1953	1953	1954	1954	1954	1955	1954	1953	1951
27.5	1891	1893	1895	1897	1900	1902	1903	1902	1901	1899
30.0	1828	1832	1836	1841	1845	1848	1850	1851	1850	1847
32.5	1763	1770	1777	1783	1782	1781	1780	1779	1777	1775
35.0	1697	1707	1708	1707	1707	1707	1707	1706	1705	1703
37.5	1628	1628	1629	1631	1632	1633	1634	1633	1632	1630
40.0	1546	1548	1551	1554	1557	1559	1560	1561	1559	1557
42.5	1464	1468	1473	1478	1482	1485	1487	1488	1487	1484
45.0	1382	1389	1396	1402	1407	1411	1414	1415	1414	1412
47.5	1301	1310	1319	1326	1331	1334	1335	1336	1335	1332
50.0	1222	1232	1240	1245	1250	1253	1255	1256	1255	1253
52.5	1143	1151	1158	1164	1169	1173	1176	1177	1176	1174
55.0	1059	1068	1076	1084	1089	1093	1096	1097	1097	1094
57.5	976.8	986.7	995.7	1003	1009	1014	1016	1018	1017	1015
60.0	895.5	906.2	915.7	923.6	929.8	934.2	937.0	938.2	937.7	935.6
62.5	815.8	827.0	836.6	844.6	852.2	857.9	861.7	863.6	863.4	861.2
65.0	737.6	749.2	760.4	769.8	777.7	783.4	787.3	789.2	789.1	787.0
67.5	661.6	674.7	685.9	695.6	703.3	709.1	712.9	714.9	714.8	712.8
70.0	587.7	600.8	612.1	621.6	629.3	634.9	638.6	640.5	640.5	638.6
72.5	515.2	527.9	539.0	548.1	555.5	560.8	564.4	566.2	566.2	564.4
75.0	443.6	455.8	466.4	475.0	481.9	486.9	490.2	491.9	491.9	490.3
77.5	373.1	384.6	397.5	406.0	412.6	417.3	421.6	425.6	425.6	424.8
80.0	305.1	316.9	329.2	337.6	344.1	348.7	352.6	356.2	356.2	355.7
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-12-03

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.998m [K=1.0000]

Remarks:

Photometric Data Table [cd]

87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	2275	2275	2275	2275	2275	2275	2275	2275	2275	2275
2.5	2256	2256	2256	2256	2257	2257	2258	2259	2260	2261
5.0	2236	2236	2236	2236	2236	2237	2237	2238	2239	2240
7.5	2216	2216	2215	2215	2214	2214	2214	2214	2215	2216
10.0	2196	2195	2193	2192	2191	2190	2189	2189	2187	2187
12.5	2176	2174	2171	2168	2166	2164	2160	2158	2156	2155
15.0	2155	2152	2148	2145	2140	2135	2130	2126	2122	2119
17.5	2106	2105	2106	2107	2108	2104	2098	2091	2084	2079
20.0	2054	2052	2052	2051	2052	2053	2056	2053	2044	2036
22.5	2001	1999	1997	1996	1995	1994	1995	1997	2001	1989
25.0	1949	1946	1942	1939	1936	1934	1932	1933	1935	1939
27.5	1896	1892	1888	1882	1877	1872	1869	1867	1866	1870
30.0	1843	1839	1832	1825	1818	1810	1804	1799	1797	1797
32.5	1773	1772	1769	1767	1758	1748	1739	1731	1725	1722
35.0	1700	1698	1694	1691	1688	1685	1673	1662	1653	1647
37.5	1627	1624	1619	1615	1611	1607	1604	1593	1580	1571
40.0	1554	1550	1544	1539	1533	1527	1522	1519	1507	1494
42.5	1481	1476	1470	1463	1455	1448	1441	1435	1432	1418
45.0	1408	1403	1396	1388	1379	1369	1360	1352	1346	1342
47.5	1329	1325	1319	1313	1303	1292	1281	1270	1262	1256
50.0	1250	1245	1239	1232	1224	1215	1202	1190	1179	1170
52.5	1170	1165	1158	1151	1143	1134	1125	1111	1098	1086
55.0	1090	1085	1079	1071	1062	1052	1042	1033	1018	1004
57.5	1011	1006	999.1	991.0	981.5	971.2	960.2	949.8	940.0	924.5
60.0	931.8	926.6	920.0	911.8	902.3	891.4	879.8	868.1	856.6	847.3
62.5	856.9	850.7	843.0	833.5	823.8	812.7	800.7	788.1	775.7	764.8
65.0	782.8	776.7	769.0	759.5	748.2	735.5	723.1	710.0	696.6	684.3
67.5	708.7	703.0	695.3	686.0	674.9	662.0	648.3	633.6	620.0	606.0
70.0	634.8	629.3	622.0	613.0	602.3	589.7	575.9	560.7	545.1	530.1
72.5	560.9	555.9	549.0	540.5	530.2	518.2	504.6	489.7	473.4	457.3
75.0	487.2	482.5	476.2	468.4	458.8	447.5	434.5	420.2	403.7	387.7
77.5	258.2	273.8	295.1	321.4	351.8	377.5	365.5	351.9	335.9	320.3
80.0	14.52	32.28	56.46	86.41	121.2	159.9	200.9	242.8	269.6	255.0
82.5	0	0	0	0	0	0	0	32.83	82.03	129.3
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	2275	2275	2275	2275	2275	2275	2275	2275	2275	2275
2.5	2262	2263	2264	2265	2267	2268	2270	2268	2267	2266
5.0	2242	2244	2246	2248	2251	2254	2257	2255	2252	2250
7.5	2218	2220	2223	2226	2229	2233	2238	2234	2231	2229
10.0	2189	2190	2193	2196	2201	2206	2212	2207	2203	2200
12.5	2155	2156	2158	2161	2166	2172	2180	2174	2169	2166
15.0	2118	2117	2118	2121	2126	2133	2141	2135	2130	2127
17.5	2076	2073	2073	2076	2080	2087	2097	2089	2084	2082
20.0	2030	2025	2023	2024	2028	2036	2046	2038	2033	2031
22.5	1980	1973	1969	1969	1972	1979	1990	1981	1977	1976
25.0	1927	1917	1911	1908	1910	1917	1929	1920	1916	1916
27.5	1871	1858	1848	1844	1845	1851	1864	1854	1850	1852
30.0	1800	1795	1782	1776	1775	1780	1793	1783	1780	1784
32.5	1723	1729	1714	1703	1701	1706	1719	1709	1707	1713
35.0	1645	1647	1642	1629	1624	1628	1641	1631	1631	1639
37.5	1565	1565	1568	1553	1545	1548	1561	1551	1552	1563
40.0	1485	1482	1485	1474	1464	1466	1479	1470	1471	1485
42.5	1405	1398	1398	1395	1382	1382	1394	1385	1389	1406
45.0	1326	1315	1312	1315	1299	1297	1309	1300	1306	1326
47.5	1247	1233	1226	1229	1216	1212	1223	1215	1223	1240
50.0	1166	1151	1141	1141	1133	1126	1137	1130	1140	1151
52.5	1079	1072	1057	1054	1050	1042	1051	1045	1057	1064
55.0	993.7	988.7	975.2	967.4	967.7	956.6	965.1	959.8	974.5	978.2
57.5	911.3	902.5	894.8	882.8	885.5	872.4	879.8	875.7	892.5	893.7
60.0	831.1	819.0	814.4	800.1	799.3	789.6	795.5	792.8	806.0	811.3
62.5	753.4	738.2	729.5	720.0	714.5	707.6	712.0	710.6	720.9	731.4
65.0	673.6	660.4	647.7	641.9	631.4	626.8	629.3	629.7	638.1	653.5
67.5	593.5	584.0	568.7	561.2	550.8	547.9	548.1	550.3	557.5	572.9
70.0	516.1	504.5	493.7	481.3	472.8	470.3	467.9	472.7	479.7	492.8
72.5	441.8	428.1	417.9	405.0	398.0	394.1	390.1	396.4	404.9	416.7
75.0	370.9	355.5	342.8	333.3	322.3	316.6	313.9	319.0	329.0	345.5
77.5	303.9	287.2	272.1	260.8	249.7	242.5	241.5	244.8	256.4	273.0

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-12-03

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.998m [K=1.0000]

Remarks:

Photometric Data Table [cd]

80.0	239.8	223.8	207.5	193.4	184.3	176.2	172.5	178.1	191.0	205.2
82.5	171.9	163.8	149.4	134.3	122.7	115.1	110.9	117.0	129.2	145.2
85.0	0	46.61	86.92	83.93	71.61	63.59	57.78	65.09	77.09	92.46
87.5	0	0	0	0	28.25	22.41	9.772	20.14	30.30	0
90.0	0	0	0	0	0	0	1.944	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	2275	2275	2275	2275	2275	2275	2275	2275	2275	2275
2.5	2265	2264	2263	2263	2262	2261	2261	2260	2260	2260
5.0	2248	2247	2245	2244	2243	2243	2243	2242	2243	2243
7.5	2227	2225	2223	2223	2222	2222	2222	2222	2223	2224
10.0	2198	2196	2196	2196	2197	2199	2200	2201	2203	2205
12.5	2164	2163	2164	2165	2168	2171	2174	2178	2181	2185
15.0	2125	2126	2128	2131	2135	2140	2146	2152	2158	2164
17.5	2082	2083	2088	2093	2100	2108	2116	2125	2130	2130
20.0	2032	2036	2043	2051	2061	2073	2077	2076	2076	2077
22.5	1979	1985	1995	2006	2020	2019	2019	2019	2022	2024
25.0	1921	1930	1943	1958	1957	1956	1958	1962	1966	1971
27.5	1859	1872	1888	1890	1889	1892	1897	1903	1910	1917
30.0	1794	1810	1818	1818	1821	1827	1835	1844	1853	1863
32.5	1726	1745	1742	1745	1751	1760	1771	1784	1796	1808
35.0	1655	1664	1665	1670	1680	1693	1708	1723	1729	1733
37.5	1582	1582	1586	1596	1609	1625	1640	1645	1652	1658
40.0	1499	1499	1507	1520	1538	1553	1559	1567	1576	1584
42.5	1413	1417	1428	1445	1463	1470	1479	1489	1500	1510
45.0	1327	1334	1349	1370	1378	1388	1399	1412	1424	1436
47.5	1241	1252	1272	1284	1294	1307	1321	1335	1349	1362
50.0	1156	1171	1191	1199	1212	1227	1243	1260	1272	1283
52.5	1072	1092	1103	1115	1131	1149	1167	1179	1191	1202
55.0	990.6	1009	1018	1034	1052	1071	1084	1097	1110	1122
57.5	910.8	923.1	936.4	954.4	974.7	987.9	1002	1017	1030	1043
60.0	830.3	839.8	856.4	877.5	891.5	906.6	922.2	937.2	951.3	963.9
62.5	745.6	758.9	779.2	795.2	810.7	827.1	843.5	858.9	873.3	885.7
65.0	663.8	681.6	699.7	714.5	732.0	749.4	766.3	782.2	797.7	811.2
67.5	585.2	605.5	619.6	636.6	654.7	673.5	691.2	708.2	723.6	737.3
70.0	510.4	525.9	542.5	561.2	580.6	599.9	618.0	634.8	650.2	663.7
72.5	434.6	449.7	468.5	488.3	508.4	527.9	545.9	562.5	577.6	590.5
75.0	359.5	377.4	397.0	417.4	438.0	457.4	475.1	491.2	505.6	517.9
77.5	288.9	308.5	328.7	348.9	369.2	388.4	405.5	420.8	435.2	448.2
80.0	223.6	243.3	263.1	282.5	301.6	321.5	342.4	363.3	384.2	405.1
82.5	163.3	181.7	192.9	214.9	238.3	262.2	286.6	311.5	336.9	362.8
85.0	97.45	52.32	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	2275	2275	2275	2275	2275	2275	2275	2275	2275	2275
2.5	2260	2259	2259	2259	2260	2260	2260	2261	2261	2262
5.0	2243	2243	2243	2244	2244	2244	2245	2245	2246	2246
7.5	2225	2226	2227	2228	2228	2229	2229	2230	2230	2230
10.0	2207	2209	2210	2212	2213	2213	2213	2213	2213	2213
12.5	2188	2191	2194	2196	2197	2197	2197	2197	2196	2194
15.0	2169	2173	2177	2179	2182	2181	2181	2180	2178	2174
17.5	2130	2130	2131	2132	2134	2134	2136	2138	2139	2142
20.0	2079	2080	2082	2084	2086	2087	2088	2089	2090	2092
22.5	2028	2030	2033	2035	2038	2039	2040	2040	2040	2039
25.0	1976	1980	1984	1987	1990	1991	1991	1990	1989	1987
27.5	1924	1930	1935	1939	1942	1943	1942	1941	1938	1934
30.0	1871	1880	1886	1891	1894	1895	1894	1891	1886	1880
32.5	1811	1815	1818	1821	1823	1825	1826	1826	1826	1826
35.0	1738	1743	1747	1750	1752	1754	1754	1754	1753	1751
37.5	1665	1670	1676	1679	1682	1683	1683	1682	1680	1677
40.0	1592	1598	1604	1608	1611	1612	1611	1610	1606	1601
42.5	1519	1526	1533	1537	1540	1541	1540	1538	1532	1527
45.0	1446	1455	1462	1467	1469	1470	1468	1465	1459	1452
47.5	1371	1379	1384	1388	1391	1392	1391	1389	1384	1378
50.0	1291	1299	1305	1309	1312	1313	1312	1309	1304	1298
52.5	1212	1220	1226	1230	1233	1234	1233	1229	1224	1216
55.0	1132	1141	1147	1152	1155	1155	1154	1150	1144	1136
57.5	1053	1062	1068	1073	1076	1076	1074	1070	1064	1056
60.0	974.2	983.2	989.8	994.2	997.1	997.1	995.4	991.6	985.2	976.3
62.5	897.4	907.1	914.4	919.3	922.2	922.1	919.9	915.1	907.6	897.9
65.0	823.0	832.5	839.7	844.5	847.3	847.2	844.9	840.1	832.4	822.5
67.5	748.8	758.1	765.0	769.7	772.4	772.4	770.0	765.3	757.6	747.7
70.0	674.9	683.9	690.5	694.9	697.6	697.6	695.3	690.6	683.2	673.4

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-12-03

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.998m [K=1.0000]

Remarks:

Photometric Data Table [cd]

72.5	601.5	609.8	616.0	620.2	622.7	622.7	620.6	616.1	609.1	599.6
75.0	528.3	535.9	541.7	545.5	547.8	547.9	546.0	541.7	535.1	526.3
77.5	329.0	305.0	287.5	276.9	273.9	278.2	289.8	308.3	333.3	364.1
80.0	62.95	35.95	16.16	4.069	0	4.088	16.29	36.35	63.77	97.93
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	2275	2275	2275	2275	2275	2275	2275	2275	2275	2275
2.5	2262	2263	2263	2264	2265	2266	2267	2268	2269	2270
5.0	2247	2247	2248	2249	2251	2252	2254	2255	2257	2259
7.5	2230	2231	2231	2232	2233	2234	2235	2237	2239	2242
10.0	2212	2212	2211	2211	2211	2212	2212	2214	2215	2218
12.5	2192	2190	2189	2187	2185	2184	2183	2184	2186	2188
15.0	2171	2168	2163	2159	2155	2152	2151	2149	2149	2152
17.5	2145	2141	2135	2128	2122	2116	2112	2110	2109	2110
20.0	2092	2095	2098	2095	2085	2077	2071	2066	2063	2063
22.5	2039	2039	2040	2043	2047	2035	2025	2017	2012	2010
25.0	1985	1983	1981	1982	1985	1988	1975	1964	1956	1952
27.5	1929	1925	1922	1920	1919	1921	1921	1906	1896	1890
30.0	1874	1867	1860	1855	1851	1850	1852	1845	1831	1823
32.5	1817	1807	1798	1789	1782	1778	1776	1781	1763	1752
35.0	1750	1748	1735	1723	1712	1704	1699	1700	1693	1678
37.5	1673	1670	1668	1655	1641	1629	1621	1618	1619	1601
40.0	1596	1591	1586	1583	1569	1553	1542	1535	1536	1523
42.5	1520	1512	1505	1498	1494	1478	1462	1452	1448	1441
45.0	1444	1434	1424	1415	1408	1402	1382	1367	1361	1360
47.5	1368	1356	1344	1333	1322	1315	1303	1285	1274	1273
50.0	1290	1280	1265	1251	1238	1227	1221	1202	1187	1183
52.5	1208	1198	1187	1171	1155	1141	1131	1121	1102	1093
55.0	1127	1115	1104	1092	1074	1057	1044	1036	1018	1005
57.5	1046	1034	1021	1007	994.5	975.6	958.9	947.0	935.8	918.7
60.0	966.1	953.5	939.6	924.5	909.8	896.5	876.2	860.7	853.3	833.9
62.5	887.1	874.2	859.5	843.7	827.5	812.1	796.2	777.0	765.2	751.6
65.0	810.3	796.4	781.0	764.7	747.0	730.0	714.4	696.7	680.0	671.4
67.5	735.5	721.3	704.9	687.4	669.3	650.2	632.6	617.9	598.2	587.5
70.0	661.4	647.2	630.8	612.5	593.3	573.4	553.8	536.3	520.2	503.5
72.5	587.9	574.0	557.7	539.6	519.9	499.3	478.2	458.6	441.7	424.1
75.0	515.0	501.5	485.9	468.2	448.7	427.8	406.0	384.5	364.7	349.2
77.5	399.7	429.9	415.3	398.2	379.3	358.8	337.2	315.1	292.1	274.9
80.0	137.8	182.2	230.0	278.8	311.6	292.1	271.3	249.7	226.2	206.1
82.5	0	0	0	37.75	95.11	150.4	200.7	188.2	166.7	145.9
85.0	0	0	0	0	0	0	0	54.53	101.2	94.55
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	2275	2275								
2.5	2271	2272								
5.0	2262	2264								
7.5	2245	2248								
10.0	2221	2226								
12.5	2192	2197								
15.0	2155	2161								
17.5	2114	2119								
20.0	2065	2071								
22.5	2012	2017								
25.0	1952	1958								
27.5	1889	1894								
30.0	1820	1824								
32.5	1747	1751								
35.0	1671	1673								
37.5	1592	1593								
40.0	1510	1510								
42.5	1427	1425								
45.0	1343	1339								
47.5	1258	1251								
50.0	1172	1164								
52.5	1087	1076								
55.0	1002	988.9								
57.5	916.9	902.2								
60.0	828.0	816.4								
62.5	740.4	731.6								

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-12-03

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.998m [K=1.0000]

Remarks:

Photometric Data Table [cd]

65.0	655.0	647.5
67.5	571.7	564.8
70.0	491.2	484.2
72.5	414.1	404.6
75.0	335.2	324.3
77.5	259.3	248.3
80.0	191.3	178.8
82.5	128.3	116.0
85.0	76.34	60.92
87.5	30.78	17.63
90.0	0	0

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks: