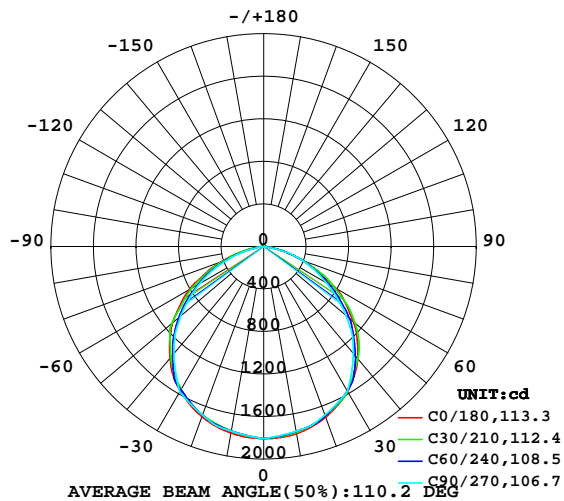


LUMINAIRE PHOTOMETRIC TEST REPORT

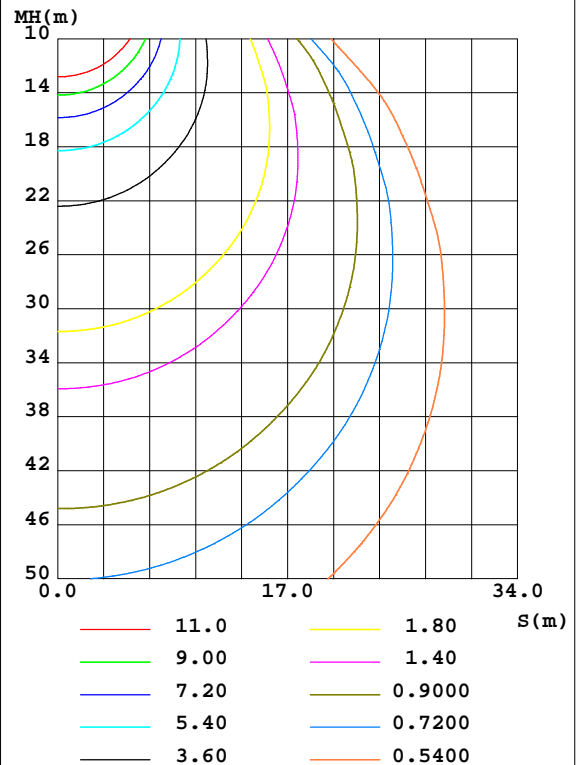
Test:U:120.30V I:0.2538A P:30.494W PF:0.9986 Freq:59.98Hz Lamp Flux:4897.44x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:30W	DIM.: 500*100mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 160.60 lm/W			
MODEL	GHW-05-U	Imax(cd)	1807	S/MH(C0/180)	1.29
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	4897.4	η UP,DN(C0-180)	0.0,50.0
NOMINAL FLUX(lm)	4897.44	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:2024-11-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [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	1786	1768	1765	1761	1781	1761	1764	1767	0- 10	170.2	170.2	3.48,3.48
20	1707	1706	1687	1685	1702	1687	1688	1704	10- 20	490.6	660.8	13.5,13.5
30	1576	1560	1575	1548	1568	1551	1578	1561	20- 30	752.5	1413	28.9,28.9
40	1376	1383	1311	1375	1371	1378	1314	1384	30- 40	917.0	2330	47.6,47.6
50	1101	1069	1011	1070	1121	1077	1019	1069	40- 50	938.9	3269	66.8,66.8
60	779.1	750.5	675.2	740.2	804.9	744.5	692.2	743.6	50- 60	809.1	4078	83.3,83.3
70	391.5	412.7	386.5	394.3	427.3	397.1	361.4	400.2	60- 70	558.3	4637	94.7,94.7
80	73.53	88.13	0	93.56	103.0	77.04	0	79.24	70- 80	244.8	4881	99.7,99.7
90	0	0	0	0	5.489	0	0	0	80- 90	16.09	4897	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): 2806 lm

%lum = 57.3%

%lamp = 57.3%

Conical surface Flux(120deg): 4078.2 lm

%lum = 83.3%

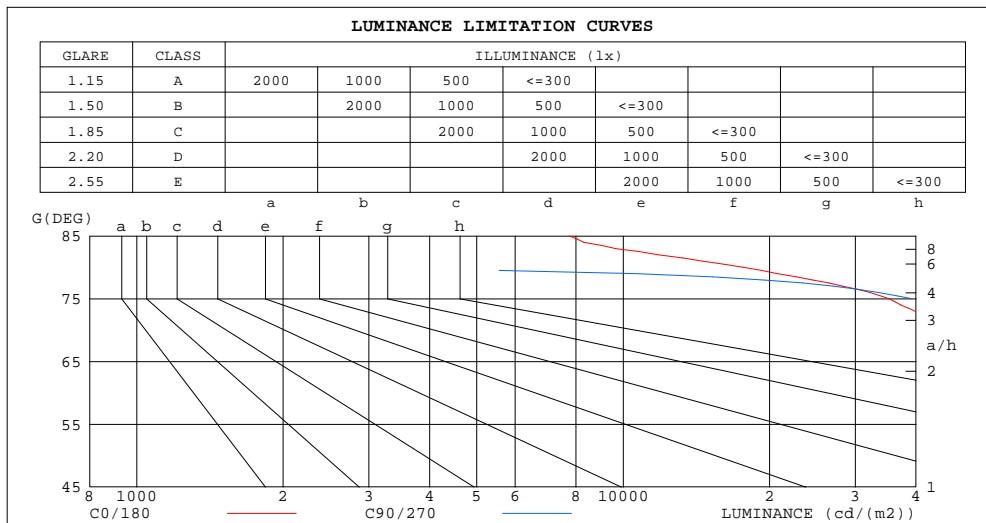
%lamp = 83.3%

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.30V I:0.2538A P:30.494W PF:0.9986 Freq:59.98Hz Lamp Flux:4897.44x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:30W	DIM.: 500*100mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



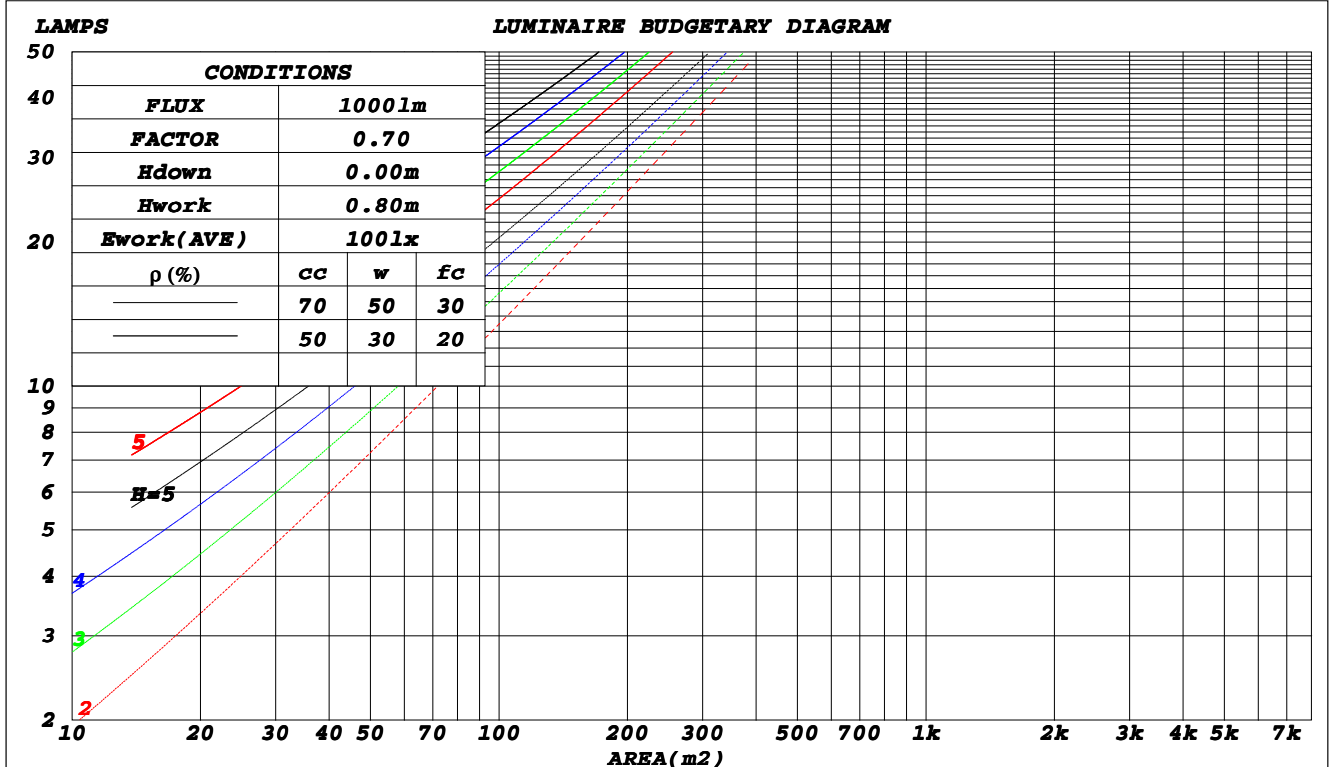
$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-06

$V(B)$ Range:-75 - 75DEG
 $V(B)$ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.30V I:0.2538A P:30.494W PF:0.9986 Freq:59.98Hz Lamp Flux:4897.44x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:30W	DIM.: 500*100mm	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	.00	.96	.99	.96	.93	.95	.93	.90	.91	.90	.88	.86
2.0	.92	.86	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.77	.74	.72
3.0	.81	.74	.67	.80	.73	.67	.77	.71	.66	.74	.69	.64	.72	.67	.63	.61
4.0	.72	.64	.57	.71	.63	.57	.68	.62	.56	.66	.60	.55	.64	.59	.55	.52
5.0	.65	.56	.49	.64	.55	.49	.61	.54	.49	.59	.53	.48	.58	.52	.48	.45
6.0	.58	.49	.43	.57	.49	.43	.55	.48	.43	.54	.47	.42	.52	.46	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.50	.43	.38	.49	.42	.37	.48	.42	.37	.35
8.0	.48	.40	.34	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.38	.33	.31
9.0	.44	.36	.31	.44	.36	.31	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.37	.32	.27	.26



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.30V I:0.2538A P:30.494W PF:0.9986 Freq:59.98Hz Lamp Flux:4897.44x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:30W	DIM.: 500*100mm	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	.156	.050	.261	.150	.048	.249	.144	.046	.238	.138	.044		
2.0	.273	.150	.046	.267	.147	.045	.255	.142	.044	.245	.137	.043	.235	.133	.042		
3.0	.257	.137	.041	.251	.135	.041	.241	.131	.040	.232	.127	.039	.223	.123	.038		
4.0	.239	.124	.037	.235	.123	.036	.226	.120	.036	.217	.117	.035	.209	.114	.035		
5.0	.223	.114	.033	.219	.112	.033	.211	.110	.032	.203	.107	.032	.196	.105	.032		
6.0	.208	.104	.030	.204	.103	.030	.197	.101	.029	.190	.099	.029	.184	.097	.029		
7.0	.194	.096	.027	.191	.095	.027	.185	.093	.027	.179	.092	.027	.173	.090	.026		
8.0	.182	.089	.025	.179	.088	.025	.173	.087	.025	.168	.085	.025	.163	.084	.024		
9.0	.171	.083	.023	.168	.082	.023	.163	.081	.023	.158	.079	.023	.154	.078	.023		
10.0	.161	.077	.021	.159	.077	.021	.154	.076	.021	.150	.074	.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	.154	.101	.060	.133	.087	.052	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.147	.090	.048	.126	.078	.042	.087	.055	.030	.050	.032	.018	.016	.010	.006	
6.0	.140	.082	.040	.121	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.134	.075	.034	.115	.065	.029	.079	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.127	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.064	.026	.105	.056	.022	.073	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.069	.037	.014	.040	.022	.008	.013	.007	.003	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.30V I:0.2538A P:30.494W PF:0.9986 Freq:59.98Hz Lamp Flux:4897.44x1 lm										
NAME: LED Linear Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:30W					DIM.: 500*100mm			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	21.6	23.1	21.9	23.3	23.5
3H	23.4	24.7	23.7	25.0	25.2	22.8	24.1	23.1	24.4	24.6
4H	23.7	25.0	24.0	25.2	25.5	23.2	24.4	23.5	24.7	24.9
6H	23.7	25.0	24.1	25.2	25.5	23.2	24.4	23.5	24.6	24.9
8H	23.7	24.9	24.1	25.2	25.5	23.1	24.3	23.4	24.6	24.8
12H	23.7	24.8	24.0	25.1	25.4	23.1	24.2	23.4	24.5	24.8
4H 2H	22.7	24.0	23.0	24.2	24.5	22.2	23.5	22.5	23.7	24.0
3H	24.0	25.1	24.3	25.4	25.7	23.5	24.6	23.9	24.9	25.2
4H	24.4	25.4	24.8	25.7	26.1	24.0	25.0	24.4	25.3	25.6
6H	24.6	25.5	25.0	25.8	26.2	24.0	24.9	24.4	25.3	25.6
8H	24.5	25.4	25.0	25.7	26.1	24.0	24.8	24.4	25.2	25.6
12H	24.5	25.3	24.9	25.7	26.1	23.9	24.7	24.4	25.1	25.5
8H 4H	24.5	25.4	24.9	25.7	26.1	24.1	25.0	24.5	25.3	25.7
6H	24.8	25.4	25.2	25.8	26.3	24.2	24.9	24.6	25.3	25.7
8H	24.8	25.4	25.2	25.8	26.3	24.2	24.8	24.6	25.2	25.6
12H	24.8	25.3	25.2	25.7	26.2	24.1	24.6	24.6	25.1	25.6
12H 4H	24.5	25.3	24.9	25.6	26.0	24.1	24.9	24.5	25.3	25.7
6H	24.7	25.3	25.2	25.8	26.2	24.2	24.8	24.6	25.2	25.7
8H	24.8	25.3	25.2	25.7	26.2	24.2	24.7	24.6	25.1	25.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.3				
1.5H	+ 0.3 / - 0.5					+ 0.2 / - 0.4				
2.0H	+ 0.3 / - 0.5					+ 0.4 / - 0.5				

CIE Pub.117, 4897 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 5.5$)
Area: 0.024 m²

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.30V I:0.2538A P:30.494W PF:0.9986 Freq:59.98Hz Lamp Flux:4897.44x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:30W	DIM.: 500*100mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

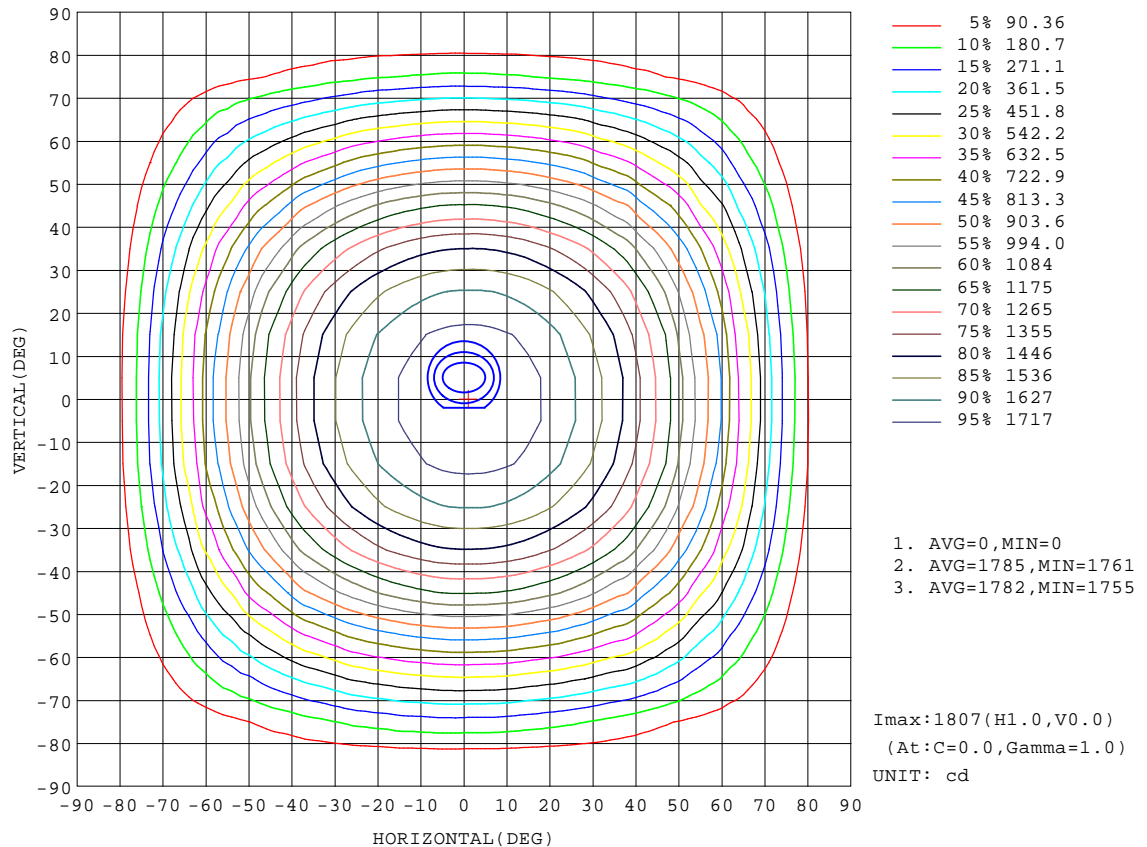
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	58	47	41	57	47	41	34
0.80	69	58	51	68	58	51	67	57	50	44
1.00	78	67	60	77	67	60	75	68	59	53
1.25	85	75	68	84	74	68	81	73	67	60
1.50	90	81	74	88	80	74	85	78	73	65
2.00	97	89	83	95	88	82	92	85	81	73
2.50	100	93	88	99	92	87	95	89	85	77
3.00	104	97	92	102	96	91	98	93	89	81
4.00	108	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		

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-06

$V(B)$ Range:-75 - 75DEG
 $V(B)$ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.30V I:0.2538A P:30.494W PF:0.9986 Freq:59.98Hz Lamp Flux:4897.44x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:30W	DIM.: 500*100mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



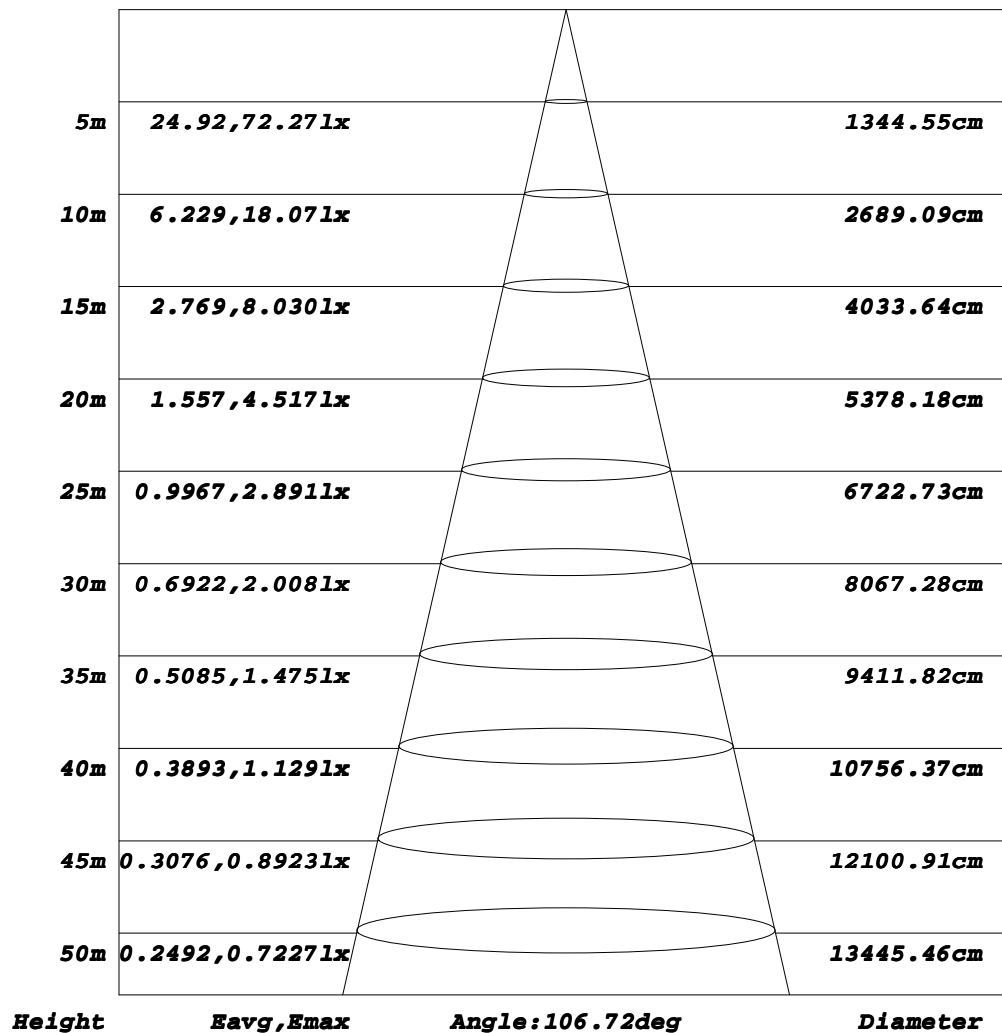
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.30V I:0.2538A P:30.494W PF:0.9986 Freq:59.98Hz Lamp Flux:4897.44x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:30W	DIM.: 500*100mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:3574 lm



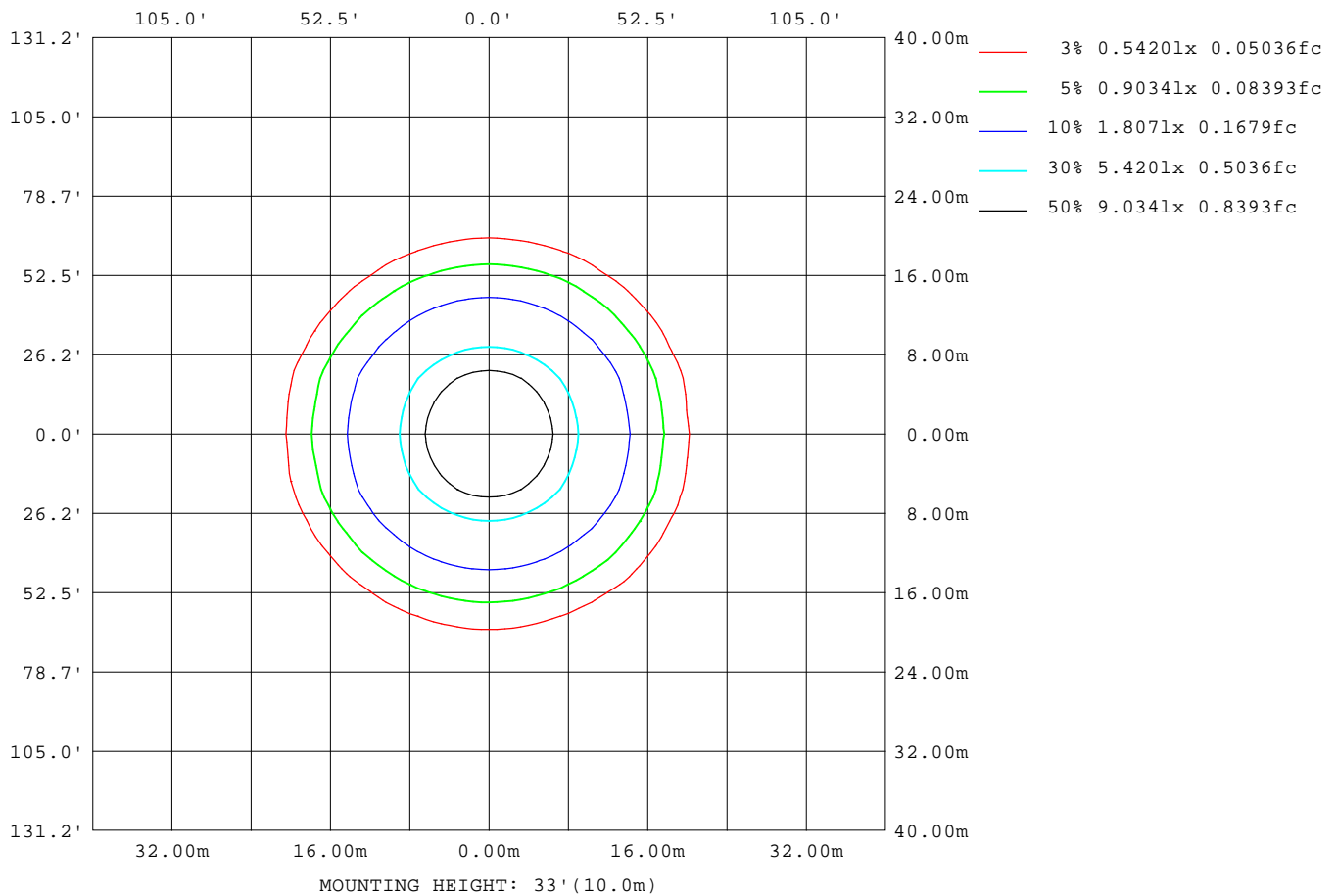
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90 DEG
H(β) Interval: 1.0 DEG
Test Speed: HIGH
Temperature: 25.3 DEG
Operators: Jessie
Test Date: 2024-11-06

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: 6.878m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.30V I:0.2538A P:30.494W PF:0.9986 Freq:59.98Hz Lamp Flux:4897.44x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:30W	DIM.: 500*100mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.30V I:0.2538A P:30.494W PF:0.9986 Freq:59.98Hz Lamp Flux:4897.44x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:30W	DIM.: 500*100mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

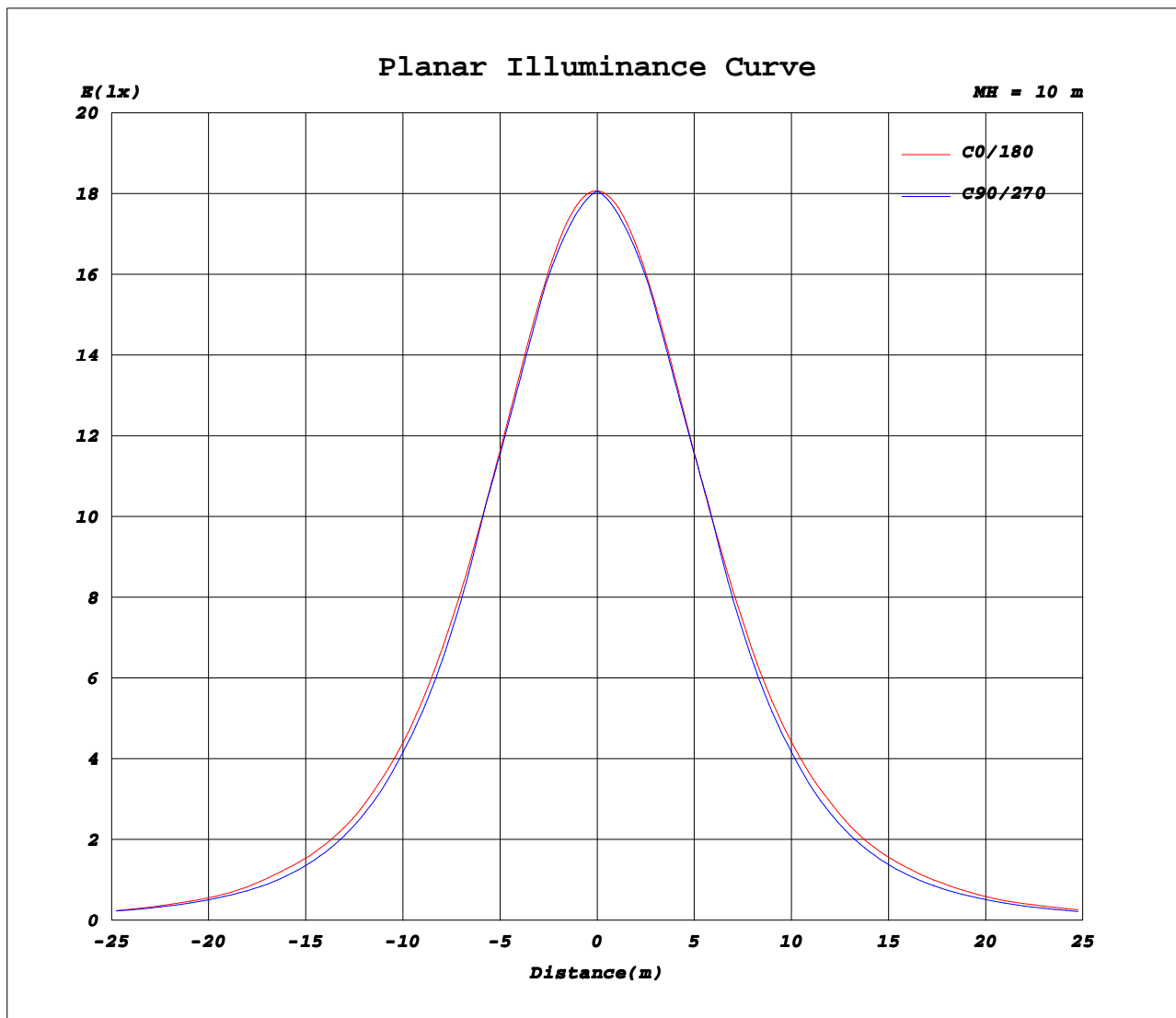
AvgL	cd/m2
L_0~180(65)av	58660
L_0~180(75)av	38219
L_0~180(85)av	9497
L_90~270(65)av	52175
L_90~270(75)av	35409
L_90~270(85)av	0
L_45(65)av	55980
L_45(75)av	38605
L_45(85)av	0

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [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	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807
2.5	1807	1806	1805	1804	1803	1802	1802	1801	1800	1800
5.0	1803	1801	1800	1798	1797	1795	1794	1793	1792	1791
7.5	1797	1794	1792	1790	1788	1787	1785	1784	1783	1781
10.0	1786	1784	1781	1779	1777	1775	1774	1772	1770	1768
12.5	1772	1768	1766	1764	1762	1761	1758	1756	1755	1753
15.0	1753	1750	1748	1747	1745	1742	1739	1737	1736	1737
17.5	1733	1729	1727	1726	1722	1719	1716	1716	1719	1722
20.0	1707	1704	1702	1701	1696	1692	1691	1696	1701	1706
22.5	1678	1675	1674	1670	1665	1661	1667	1674	1681	1675
25.0	1647	1644	1644	1637	1631	1633	1641	1651	1642	1636
27.5	1614	1611	1611	1601	1595	1604	1614	1608	1600	1595
30.0	1576	1575	1572	1561	1561	1573	1573	1562	1557	1560
32.5	1533	1533	1528	1516	1524	1538	1525	1515	1520	1525
35.0	1485	1487	1479	1469	1485	1485	1472	1475	1482	1484
37.5	1434	1437	1425	1422	1443	1428	1423	1434	1437	1437
40.0	1376	1383	1367	1372	1384	1367	1377	1387	1387	1383
42.5	1312	1323	1302	1319	1316	1310	1329	1329	1329	1314
45.0	1245	1261	1237	1266	1245	1256	1268	1269	1256	1241
47.5	1180	1193	1175	1201	1176	1200	1199	1196	1181	1156
50.0	1101	1114	1101	1118	1114	1128	1123	1122	1096	1069
52.5	1019	1027	1024	1018	1018	1046	1044	1027	1011	996.0
55.0	943.9	949.0	959.4	938.0	962.8	957.2	960.5	927.0	935.2	922.9
57.5	872.3	865.1	888.6	870.6	884.4	876.4	859.3	845.8	854.0	838.4
60.0	779.1	774.8	790.9	795.9	792.2	787.1	764.8	770.8	750.5	750.5
62.5	661.5	659.0	676.0	697.5	703.4	675.1	691.0	675.1	661.9	670.4
65.0	585.3	578.6	582.4	600.2	606.3	584.1	593.0	583.2	587.3	584.5
67.5	483.6	486.2	503.6	516.6	490.5	508.5	480.3	506.3	500.4	492.7
70.0	391.5	405.8	421.5	429.6	416.6	408.4	407.3	412.5	405.1	412.7
72.5	297.4	332.1	319.9	315.2	326.0	329.0	320.9	319.4	331.2	332.2
75.0	218.2	224.8	240.0	249.1	238.6	241.2	243.8	252.0	250.3	244.9
77.5	137.5	145.6	156.4	158.4	167.6	169.9	180.6	172.2	169.6	165.5
80.0	73.53	93.31	98.73	104.7	104.6	113.9	109.2	104.1	96.51	88.13
82.5	33.83	43.55	48.52	53.57	58.69	57.56	50.82	41.67	27.94	11.84
85.0	16.20	20.82	23.20	24.96	21.94	12.62	0	0	0	0
87.5	10.65	13.25	10.28	0	0	0	0	0	0	0
90.0	0	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	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807
2.5	1799	1798	1798	1797	1797	1797	1796	1796	1796	1796
5.0	1790	1789	1788	1788	1787	1786	1786	1786	1785	1785
7.5	1780	1779	1778	1777	1776	1776	1775	1775	1775	1775
10.0	1767	1767	1766	1766	1765	1765	1765	1765	1765	1764
12.5	1753	1753	1753	1754	1754	1754	1754	1754	1754	1753
15.0	1739	1740	1741	1743	1744	1744	1744	1744	1743	1742
17.5	1724	1727	1727	1723	1721	1719	1717	1716	1715	1715
20.0	1704	1699	1696	1693	1691	1690	1689	1688	1687	1688
22.5	1670	1666	1663	1662	1662	1661	1661	1660	1659	1659
25.0	1632	1633	1633	1634	1634	1634	1634	1632	1631	1630
27.5	1598	1602	1604	1605	1605	1605	1605	1604	1603	1603
30.0	1565	1569	1570	1571	1573	1574	1575	1576	1575	1575
32.5	1527	1529	1533	1536	1528	1521	1515	1511	1509	1510
35.0	1484	1487	1479	1471	1463	1456	1450	1446	1443	1444
37.5	1435	1422	1412	1405	1396	1389	1383	1379	1377	1379
40.0	1368	1356	1343	1333	1325	1320	1315	1313	1311	1314
42.5	1300	1282	1268	1259	1253	1250	1247	1247	1246	1248
45.0	1220	1204	1196	1191	1190	1187	1184	1181	1180	1181
47.5	1138	1133	1130	1125	1117	1109	1102	1097	1096	1098
50.0	1066	1065	1054	1039	1028	1021	1016	1012	1011	1015
52.5	994.1	978.9	963.2	950.6	940.2	936.2	932.6	928.5	927.5	929.2
55.0	900.4	886.4	875.2	867.8	857.2	852.9	849.3	844.7	843.7	843.6
57.5	808.4	802.4	793.1	786.5	772.9	766.7	764.3	759.4	759.4	759.7
60.0	729.1	721.7	707.8	699.4	685.5	678.7	678.7	674.1	675.2	675.9
62.5	649.4	632.1	620.6	611.7	604.4	601.7	604.9	602.3	603.3	603.2
65.0	566.5	545.1	542.4	538.4	532.4	530.3	533.4	531.0	531.4	530.9
67.5	486.8	471.0	468.5	464.7	458.6	456.4	459.8	458.7	459.0	459.9
70.0	409.7	394.4	390.6	386.2	382.9	381.5	385.9	386.4	386.5	389.0
72.5	325.9	313.2	310.7	309.6	309.0	309.0	313.9	314.8	314.8	317.5
75.0	241.8	236.2	236.2	236.4	236.2	237.2	242.2	243.2	243.2	246.0
77.5	163.6	160.9	155.8	147.3	137.9	130.4	126.7	123.0	121.6	124.5
80.0	79.68	66.99	53.61	39.58	26.35	15.37	7.119	1.808	0	1.829
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0

H(β) Range:-90 - 90DEGH(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-06

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.878m [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	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807
2.5	1796	1796	1796	1796	1796	1797	1797	1798	1798	1799
5.0	1785	1785	1785	1785	1785	1785	1786	1787	1788	1789
7.5	1774	1774	1774	1774	1774	1774	1774	1774	1775	1776
10.0	1764	1764	1764	1763	1763	1763	1762	1761	1761	1761
12.5	1753	1752	1752	1751	1750	1750	1749	1747	1746	1745
15.0	1741	1740	1738	1736	1734	1732	1731	1730	1730	1728
17.5	1715	1715	1715	1715	1715	1713	1711	1709	1708	1709
20.0	1688	1688	1688	1686	1686	1686	1686	1685	1684	1683
22.5	1659	1658	1658	1657	1657	1656	1656	1656	1657	1655
25.0	1629	1627	1625	1624	1623	1624	1625	1624	1623	1624
27.5	1602	1598	1595	1590	1587	1586	1587	1590	1589	1588
30.0	1574	1571	1567	1561	1555	1549	1547	1548	1552	1550
32.5	1513	1517	1523	1532	1525	1517	1509	1503	1505	1511
35.0	1446	1448	1453	1460	1472	1485	1475	1463	1456	1460
37.5	1380	1381	1383	1388	1398	1413	1432	1425	1412	1406
40.0	1316	1317	1318	1322	1327	1336	1352	1375	1371	1353
42.5	1248	1249	1251	1256	1260	1266	1273	1293	1319	1307
45.0	1180	1178	1179	1183	1190	1198	1204	1211	1233	1262
47.5	1100	1101	1104	1109	1113	1122	1135	1141	1147	1178
50.0	1017	1019	1023	1029	1035	1044	1055	1070	1076	1089
52.5	930.6	934.1	939.3	947.7	955.4	964.0	972.9	986.2	1008	1006
55.0	843.8	847.8	851.8	861.2	872.6	884.9	891.4	902.9	922.1	927.5
57.5	760.1	764.0	766.3	774.6	784.7	795.3	809.3	823.1	824.4	834.1
60.0	677.0	682.3	684.6	693.8	701.5	702.4	716.0	740.2	740.6	736.6
62.5	602.4	605.8	605.9	614.5	622.5	621.0	627.3	644.2	654.5	659.7
65.0	529.5	532.0	531.4	538.4	544.7	540.5	547.3	554.4	556.5	578.2
67.5	458.8	460.3	458.7	462.4	465.2	461.5	468.4	475.6	474.5	477.8
70.0	388.4	390.0	387.9	390.8	391.5	385.0	389.4	394.3	399.4	394.2
72.5	316.1	318.4	315.0	318.0	320.3	315.0	317.5	315.0	316.5	318.9
75.0	243.7	246.2	240.7	243.1	242.8	240.6	245.5	245.1	243.2	244.6
77.5	127.4	135.7	140.6	151.9	159.6	164.6	167.0	170.8	174.9	179.7
80.0	7.161	15.99	26.90	40.88	54.91	68.77	81.35	93.56	100.5	109.3
82.5	0	0	0	0	0	0	0	12.59	29.04	42.32
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	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807
2.5	1799	1800	1801	1802	1803	1804	1805	1804	1803	1802
5.0	1790	1791	1793	1795	1797	1799	1801	1798	1796	1795
7.5	1777	1779	1781	1783	1786	1789	1792	1789	1786	1783
10.0	1761	1763	1766	1769	1772	1777	1781	1777	1772	1769
12.5	1745	1745	1747	1751	1756	1761	1767	1761	1756	1751
15.0	1727	1726	1726	1729	1735	1742	1750	1742	1735	1730
17.5	1707	1704	1703	1704	1710	1718	1728	1718	1711	1704
20.0	1684	1681	1678	1676	1682	1691	1702	1691	1683	1677
22.5	1654	1656	1651	1648	1650	1661	1674	1661	1652	1649
25.0	1622	1623	1622	1616	1615	1626	1641	1627	1616	1618
27.5	1588	1587	1590	1583	1577	1589	1606	1590	1578	1584
30.0	1549	1548	1550	1546	1540	1550	1568	1550	1541	1548
32.5	1507	1505	1506	1509	1500	1508	1530	1508	1501	1510
35.0	1464	1459	1459	1465	1455	1458	1484	1459	1456	1467
37.5	1412	1411	1407	1412	1404	1402	1431	1403	1406	1414
40.0	1353	1361	1352	1354	1351	1342	1371	1342	1352	1357
42.5	1291	1301	1297	1293	1296	1280	1312	1281	1298	1295
45.0	1239	1234	1240	1228	1239	1215	1252	1217	1242	1232
47.5	1190	1160	1175	1162	1172	1151	1186	1154	1178	1170
50.0	1121	1099	1096	1095	1098	1082	1121	1083	1102	1104
52.5	1019	1039	1011	1023	1013	1002	1038	1004	1017	1028
55.0	921.2	958.0	934.3	947.5	927.8	928.1	957.1	931.3	934.9	955.6
57.5	845.2	854.9	870.4	858.3	846.4	856.8	886.1	856.4	845.9	868.6
60.0	766.9	760.8	798.9	761.6	775.3	786.2	804.9	787.3	779.9	774.3
62.5	671.1	679.3	683.6	674.7	693.9	690.6	704.8	692.0	695.3	689.9
65.0	578.8	581.1	577.6	613.4	600.1	596.2	604.7	608.2	610.8	618.2
67.5	497.9	485.9	508.0	516.9	494.4	503.4	527.8	500.5	508.1	528.3
70.0	397.2	415.8	410.4	393.3	400.2	402.3	427.3	405.4	406.6	408.1
72.5	324.7	324.0	319.6	331.6	344.5	315.6	343.8	321.9	352.9	343.0
75.0	255.4	245.9	245.9	234.1	240.4	242.7	256.6	245.0	252.0	247.7
77.5	178.5	178.8	168.6	173.5	165.6	168.0	174.4	170.0	173.0	181.9

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-06

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.878m [K=1.0000]

Remarks:

Photometric Data Table [cd]

80.0	119.0	117.2	109.4	98.21	89.31	89.40	103.0	91.24	94.80	99.49
82.5	52.29	63.30	64.68	57.16	50.93	44.67	53.05	44.98	52.19	54.93
85.0	0	12.96	22.68	29.77	23.76	19.70	23.53	18.86	23.02	27.85
87.5	0	0	0	0	10.70	13.94	13.80	13.66	10.02	0
90.0	0	0	0	0	0	0	5.489	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	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807
2.5	1801	1800	1799	1799	1798	1798	1797	1797	1796	1796
5.0	1793	1791	1790	1789	1788	1787	1786	1785	1785	1784
7.5	1781	1779	1777	1776	1774	1774	1774	1774	1774	1773
10.0	1766	1763	1761	1761	1761	1761	1762	1762	1762	1763
12.5	1747	1745	1745	1745	1746	1747	1749	1749	1750	1750
15.0	1726	1726	1728	1729	1730	1730	1731	1732	1734	1735
17.5	1704	1705	1707	1710	1709	1710	1711	1713	1715	1715
20.0	1679	1682	1685	1684	1685	1687	1688	1687	1687	1687
22.5	1653	1657	1656	1656	1658	1657	1657	1658	1659	1659
25.0	1624	1626	1625	1625	1625	1625	1626	1626	1625	1626
27.5	1592	1590	1592	1592	1591	1592	1589	1588	1589	1592
30.0	1552	1551	1552	1554	1555	1551	1549	1551	1557	1563
32.5	1508	1508	1510	1514	1509	1507	1511	1519	1527	1535
35.0	1461	1462	1467	1463	1460	1467	1478	1487	1475	1463
37.5	1409	1415	1417	1410	1415	1429	1435	1416	1402	1391
40.0	1356	1366	1359	1360	1375	1378	1357	1340	1331	1326
42.5	1301	1307	1298	1315	1326	1298	1277	1271	1266	1261
45.0	1244	1240	1247	1271	1242	1218	1209	1204	1196	1190
47.5	1180	1165	1198	1187	1155	1148	1141	1129	1120	1117
50.0	1107	1106	1128	1096	1083	1077	1061	1050	1043	1037
52.5	1023	1052	1026	1011	1013	991.0	979.2	970.8	963.5	956.9
55.0	942.5	975.2	933.6	931.9	925.2	905.9	897.3	891.5	881.4	870.0
57.5	883.9	864.2	857.9	840.0	827.2	826.8	815.7	802.1	793.5	782.2
60.0	814.6	772.6	778.0	746.6	744.7	744.5	723.2	708.5	709.5	702.0
62.5	698.4	693.0	677.5	669.2	660.9	648.8	634.3	626.8	630.5	621.7
65.0	595.2	592.9	589.3	589.6	568.4	559.6	555.2	544.7	545.7	537.4
67.5	518.0	496.9	511.9	497.2	488.4	481.4	472.1	459.2	457.2	453.7
70.0	418.8	429.2	411.0	417.7	412.0	397.1	385.1	377.0	374.7	372.9
72.5	333.0	335.4	335.8	340.4	322.4	313.2	305.1	299.1	294.6	291.1
75.0	254.4	255.5	263.8	254.9	244.0	236.6	226.1	216.8	210.4	205.8
77.5	172.6	183.1	186.3	182.9	168.1	154.9	142.7	131.9	126.8	119.2
80.0	110.2	117.8	119.9	105.0	87.35	77.04	66.50	54.29	43.73	31.94
82.5	63.01	60.67	46.19	37.20	24.87	10.42	0	0	0	0
85.0	20.11	11.62	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	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807
2.5	1796	1796	1796	1796	1796	1796	1796	1797	1797	1797
5.0	1784	1784	1784	1785	1785	1785	1786	1786	1787	1788
7.5	1773	1774	1774	1774	1774	1775	1775	1776	1776	1777
10.0	1763	1763	1763	1764	1764	1764	1764	1764	1764	1764
12.5	1751	1751	1752	1753	1753	1753	1754	1753	1753	1752
15.0	1737	1738	1740	1741	1742	1743	1743	1743	1742	1741
17.5	1715	1714	1714	1714	1715	1716	1717	1718	1719	1722
20.0	1687	1687	1687	1687	1688	1688	1688	1689	1690	1692
22.5	1658	1658	1659	1659	1660	1661	1661	1662	1662	1662
25.0	1627	1628	1630	1631	1632	1634	1635	1635	1635	1634
27.5	1597	1600	1603	1604	1605	1606	1607	1607	1607	1606
30.0	1570	1573	1576	1577	1578	1579	1579	1577	1575	1574
32.5	1526	1519	1515	1512	1512	1514	1519	1524	1531	1540
35.0	1455	1451	1447	1445	1445	1449	1453	1459	1465	1474
37.5	1386	1384	1382	1380	1380	1382	1385	1391	1398	1408
40.0	1321	1319	1317	1315	1314	1315	1317	1321	1328	1334
42.5	1255	1251	1250	1248	1248	1250	1251	1254	1257	1259
45.0	1184	1181	1182	1182	1181	1184	1185	1188	1191	1191
47.5	1110	1105	1103	1101	1100	1102	1105	1111	1118	1124
50.0	1030	1025	1022	1020	1019	1019	1021	1027	1032	1040
52.5	948.1	941.6	938.8	937.2	936.9	937.8	939.1	944.1	947.7	953.9
55.0	862.0	856.8	854.8	854.4	855.2	856.7	858.0	863.2	868.1	874.1
57.5	777.8	774.6	773.2	773.1	773.7	773.9	775.1	780.2	787.5	795.3
60.0	697.2	694.0	692.3	691.9	692.2	690.8	691.7	695.5	703.7	711.6
62.5	615.0	611.0	609.1	608.9	609.6	609.0	609.6	613.1	620.1	628.1
65.0	530.6	526.8	525.3	525.9	527.0	527.3	527.9	531.5	537.4	545.0
67.5	447.7	444.8	443.6	444.2	444.2	443.9	444.6	447.9	453.0	461.9
70.0	367.0	363.9	362.4	362.5	361.4	360.4	361.0	363.4	366.5	374.6

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-06

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.878m [K=1.0000]

Remarks:

Photometric Data Table [cd]

72.5	285.3	280.9	279.4	279.7	279.1	278.5	278.7	280.7	281.9	288.6
75.0	202.5	197.2	196.1	196.9	196.7	196.8	196.5	198.8	198.7	205.3
77.5	113.7	105.7	101.4	99.35	98.36	99.29	101.7	106.8	111.1	120.0
80.0	21.75	12.45	5.699	1.460	0	1.459	5.719	12.58	21.26	32.25
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	1807	1807	1807	1807	1807	1807	1807	1807	1807	1807
2.5	1798	1798	1799	1799	1800	1801	1801	1802	1803	1804
5.0	1788	1789	1790	1791	1792	1793	1794	1795	1797	1798
7.5	1777	1778	1779	1781	1782	1783	1785	1786	1788	1790
10.0	1765	1765	1766	1767	1769	1771	1773	1775	1776	1778
12.5	1752	1751	1751	1752	1753	1755	1757	1760	1762	1763
15.0	1739	1738	1737	1735	1734	1736	1738	1741	1745	1746
17.5	1724	1725	1722	1720	1717	1715	1716	1718	1722	1726
20.0	1694	1698	1702	1704	1700	1695	1691	1692	1696	1701
22.5	1662	1665	1669	1674	1681	1674	1667	1661	1664	1670
25.0	1634	1633	1633	1636	1643	1651	1641	1632	1630	1636
27.5	1605	1603	1599	1597	1600	1607	1613	1602	1593	1600
30.0	1572	1571	1567	1561	1557	1561	1571	1571	1559	1560
32.5	1535	1531	1529	1526	1520	1514	1522	1536	1523	1516
35.0	1481	1490	1486	1485	1482	1474	1470	1484	1485	1469
37.5	1415	1424	1438	1439	1437	1432	1421	1427	1443	1423
40.0	1344	1357	1370	1384	1385	1384	1375	1367	1385	1372
42.5	1268	1282	1301	1313	1325	1327	1328	1309	1315	1317
45.0	1195	1204	1221	1241	1253	1267	1267	1254	1242	1263
47.5	1127	1133	1138	1155	1180	1194	1197	1197	1174	1198
50.0	1053	1064	1067	1069	1095	1120	1121	1126	1112	1115
52.5	965.7	980.4	996.5	997.2	1009	1023	1042	1045	1043	1019
55.0	881.8	889.4	902.6	924.5	932.3	924.6	959.6	958.2	965.8	933.1
57.5	803.4	806.3	810.4	835.6	848.7	843.8	859.8	880.4	883.2	869.0
60.0	721.4	725.4	731.0	743.6	745.2	769.6	767.0	789.4	792.5	796.1
62.5	635.1	632.3	649.4	660.3	655.2	676.0	692.3	674.2	699.8	701.8
65.0	550.7	543.4	557.6	572.7	577.8	583.6	597.0	579.5	605.5	597.7
67.5	468.2	464.5	472.6	480.9	489.9	505.2	485.4	504.1	497.1	511.6
70.0	380.7	383.0	393.3	400.2	402.8	416.3	413.6	409.7	419.7	421.0
72.5	291.5	297.5	307.3	320.1	327.2	331.0	330.0	335.3	320.7	314.4
75.0	209.6	214.8	222.0	232.7	245.5	259.2	252.1	246.3	237.9	246.0
77.5	127.9	133.7	142.2	153.6	162.8	174.0	183.7	170.6	166.1	157.3
80.0	44.05	55.36	66.79	79.24	88.78	99.75	106.8	112.4	103.5	101.9
82.5	0	0	0	10.68	25.40	37.57	45.22	53.74	56.36	49.67
85.0	0	0	0	0	0	0	0	11.13	19.07	22.27
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	1807	1807								
2.5	1805	1806								
5.0	1800	1801								
7.5	1792	1794								
10.0	1781	1783								
12.5	1766	1768								
15.0	1748	1750								
17.5	1727	1729								
20.0	1703	1704								
22.5	1674	1675								
25.0	1644	1644								
27.5	1610	1611								
30.0	1571	1574								
32.5	1528	1533								
35.0	1479	1487								
37.5	1426	1437								
40.0	1366	1382								
42.5	1300	1322								
45.0	1234	1259								
47.5	1172	1191								
50.0	1099	1113								
52.5	1021	1024								
55.0	952.6	947.4								
57.5	890.1	868.8								
60.0	795.6	777.6								
62.5	678.6	653.6								

H(β) Range:-90 - 90DEGH(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-06

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.878m [K=1.0000]

Remarks:

Photometric Data Table [cd]

65.0	572.1	577.2
67.5	500.2	489.1
70.0	421.7	405.3
72.5	324.0	331.2
75.0	241.3	224.9
77.5	156.3	147.1
80.0	97.87	93.76
82.5	44.77	43.55
85.0	20.31	20.07
87.5	9.885	13.67
90.0	0	0

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [K=1.0000]
Remarks: