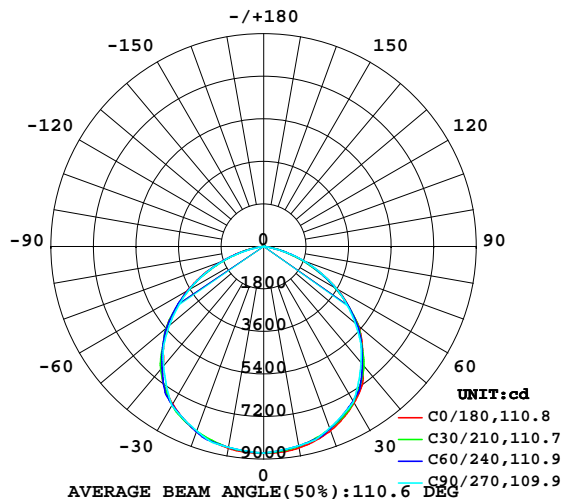


LUMINAIRE PHOTOMETRIC TEST REPORT

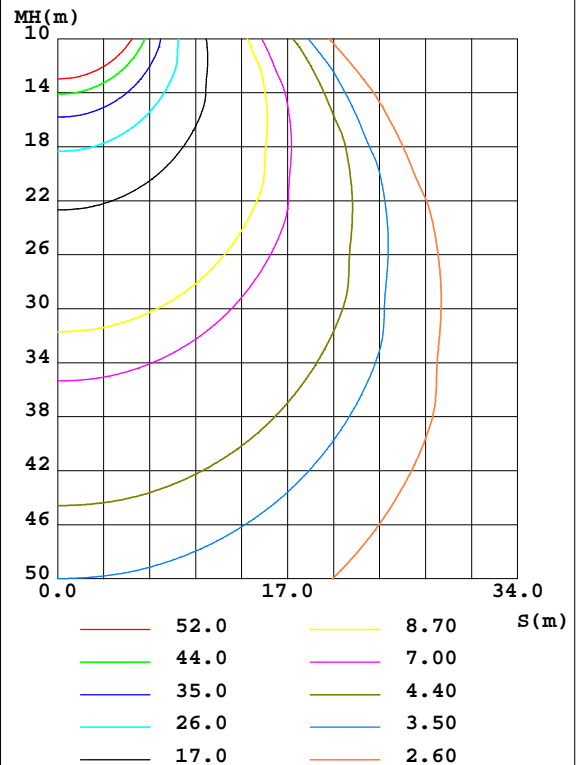
Test:U:120.17V I:1.2215A P:146.68W PF:0.9993 Freq:59.98Hz Lamp Flux:23782x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/110°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 162.14 lm/W			
MODEL	GHSL-24-U	Imax(cd)	8747	S/MH(C0/180)	1.31
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	23782	η UP,DN(C0-180)	0.0,49.6
NOMINAL FLUX(lm)	23782	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.4
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:2024-11-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [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	8653	8568	8560	8578	8668	8625	8628	8618	0- 10	827.0	827.0	3.48,3.48
20	8290	8246	8177	8279	8327	8369	8305	8345	10- 20	2395	3222	13.5,13.5
30	7645	7542	7598	7596	7704	7709	7776	7671	20- 30	3684	6905	29,29
40	6480	6658	6412	6729	6626	6848	6593	6806	30- 40	4499	11404	48,48
50	5262	5120	5063	5242	5371	5329	5212	5249	40- 50	4594	15999	67.3,67.3
60	3564	3452	3550	3553	3729	3611	3634	3546	50- 60	3961	19960	83.9,83.9
70	1740	1789	1824	1857	1925	1879	1872	1827	60- 70	2686	22646	95.2,95.2
80	338.3	317.5	0	355.4	426.3	348.2	0	317.0	70- 80	1080	23726	99.8,99.8
90	6.779	0	0	0	6.690	0	0	0	80- 90	55.96	23782	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): 13732 lm

%lum = 57.7%

%lamp = 57.7%

Conical surface Flux(120deg): 19960 lm

%lum = 83.9%

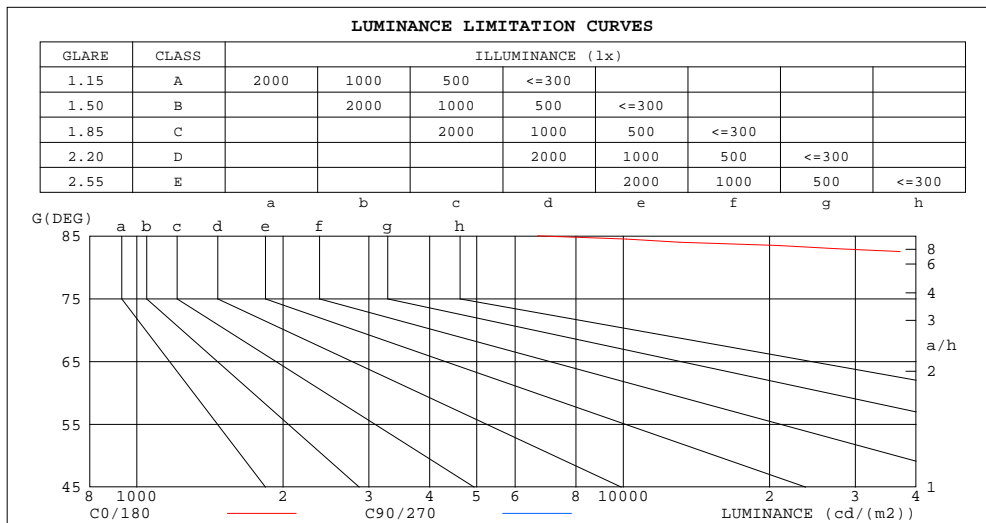
%lamp = 83.9%

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.17V I:1.2215A P:146.68W PF:0.9993 Freq:59.98Hz Lamp Flux:23782x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/110°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



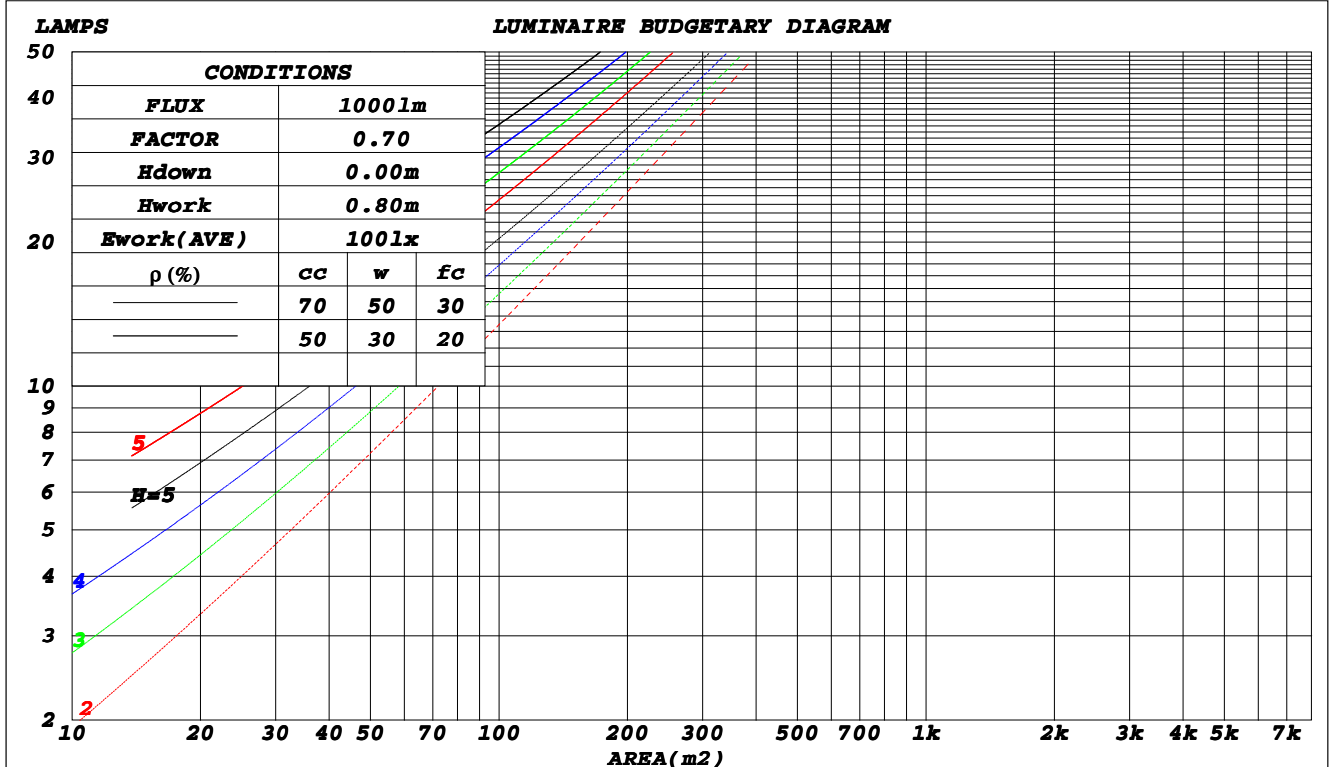
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.17V I:1.2215A P:146.68W PF:0.9993 Freq:59.98Hz Lamp Flux:23782x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/110°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.06	1.02	.98	1.03	.90	.97	.99	.96	.94	.95	.93	.91	.92	.90	.88	.86
2.0	.93	.86	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.78	.75	.73
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.74	.69	.65	.72	.68	.64	.62
4.0	.73	.64	.58	.71	.63	.57	.69	.62	.56	.66	.61	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.49	.62	.54	.49	.60	.53	.48	.58	.52	.48	.46
6.0	.58	.50	.43	.57	.49	.43	.56	.48	.43	.54	.47	.42	.52	.47	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.37	.35
8.0	.48	.40	.34	.48	.40	.34	.46	.39	.34	.45	.39	.34	.44	.38	.33	.32
9.0	.44	.36	.31	.44	.36	.31	.43	.36	.31	.42	.35	.30	.41	.35	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.38	.32	.27	.26



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.17V I:1.2215A P:146.68W PF:0.9993 Freq:59.98Hz Lamp Flux:23782x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/110°	DIM.: 280*230mm	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	.278	.158	.050	.271	.155	.049	.258	.148	.047	.246	.142	.045	.235	.136	.044		
2.0	.270	.148	.045	.264	.146	.045	.253	.141	.044	.242	.136	.043	.232	.131	.041		
3.0	.255	.136	.041	.250	.134	.040	.239	.130	.039	.230	.126	.039	.221	.123	.038		
4.0	.238	.124	.036	.233	.122	.036	.224	.119	.036	.216	.116	.035	.208	.113	.034		
5.0	.222	.113	.033	.218	.112	.033	.210	.109	.032	.202	.107	.032	.195	.104	.031		
6.0	.207	.104	.030	.204	.103	.030	.196	.101	.029	.190	.099	.029	.183	.097	.029		
7.0	.194	.096	.027	.190	.095	.027	.184	.093	.027	.178	.091	.027	.172	.090	.026		
8.0	.182	.089	.025	.179	.088	.025	.173	.086	.025	.168	.085	.024	.163	.083	.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	.075	.021	.149	.074	.021	.145	.073	.021		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.178	.156	.137	.152	.134	.118	.104	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.169	.132	.101	.145	.114	.087	.099	.079	.061	.057	.046	.036	.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	.132	.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	.120	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.134	.075	.034	.115	.065	.030	.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	.121	.064	.026	.105	.056	.022	.072	.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:2024-11-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.17V I:1.2215A P:146.68W PF:0.9993 Freq:59.98Hz Lamp Flux:23782x1 lm											
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A			
SPEC.:150W/5000K/110°					DIM.: 280*230mm			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	21.8	23.3	22.1	23.5	23.7	21.8	23.3	22.1	23.5	23.7	
	3H	22.9	24.2	23.1	24.4	24.7	23.0	24.3	23.2	24.5	24.8
	4H	23.1	24.4	23.4	24.6	24.9	23.2	24.5	23.5	24.7	25.0
	6H	23.1	24.3	23.5	24.6	24.9	23.2	24.4	23.5	24.7	24.9
	8H	23.1	24.3	23.4	24.5	24.8	23.1	24.3	23.5	24.6	24.9
	12H	23.0	24.2	23.4	24.4	24.7	23.1	24.2	23.4	24.5	24.8
4H	2H	22.3	23.6	22.6	23.8	24.1	22.3	23.6	22.6	23.8	24.1
	3H	23.4	24.6	23.8	24.9	25.2	23.6	24.7	23.9	25.0	25.3
	4H	23.8	24.8	24.1	25.1	25.4	23.9	24.9	24.3	25.2	25.6
	6H	23.9	24.7	24.2	25.1	25.5	23.9	24.8	24.3	25.1	25.5
	8H	23.8	24.7	24.2	25.0	25.4	23.9	24.7	24.3	25.0	25.4
	12H	23.8	24.5	24.2	24.9	25.3	23.8	24.6	24.2	25.0	25.4
8H	4H	23.9	24.7	24.3	25.0	25.4	24.0	24.8	24.4	25.2	25.5
	6H	24.0	24.7	24.4	25.1	25.5	24.0	24.7	24.4	25.1	25.5
	8H	24.0	24.6	24.5	25.0	25.5	24.0	24.6	24.4	25.0	25.4
	12H	24.0	24.5	24.4	24.9	25.4	23.9	24.4	24.4	24.9	25.4
12H	4H	23.8	24.6	24.2	25.0	25.4	23.9	24.7	24.4	25.1	25.5
	6H	24.0	24.6	24.4	25.0	25.4	24.0	24.6	24.4	25.0	25.4
	8H	24.0	24.5	24.4	24.9	25.4	23.9	24.4	24.4	24.9	25.4
Variations with the observer position at spacings:											
S = 1.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.4					
1.5H	+ 0.3 / - 0.4					+ 0.2 / - 0.5					
2.0H	+ 0.5 / - 0.5					+ 0.4 / - 0.4					

CIE Pub.117, 23782 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 11.0$)
Area: 0.024 m²

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.17V I:1.2215A P:146.68W PF:0.9993 Freq:59.98Hz Lamp Flux:23782x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/110°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

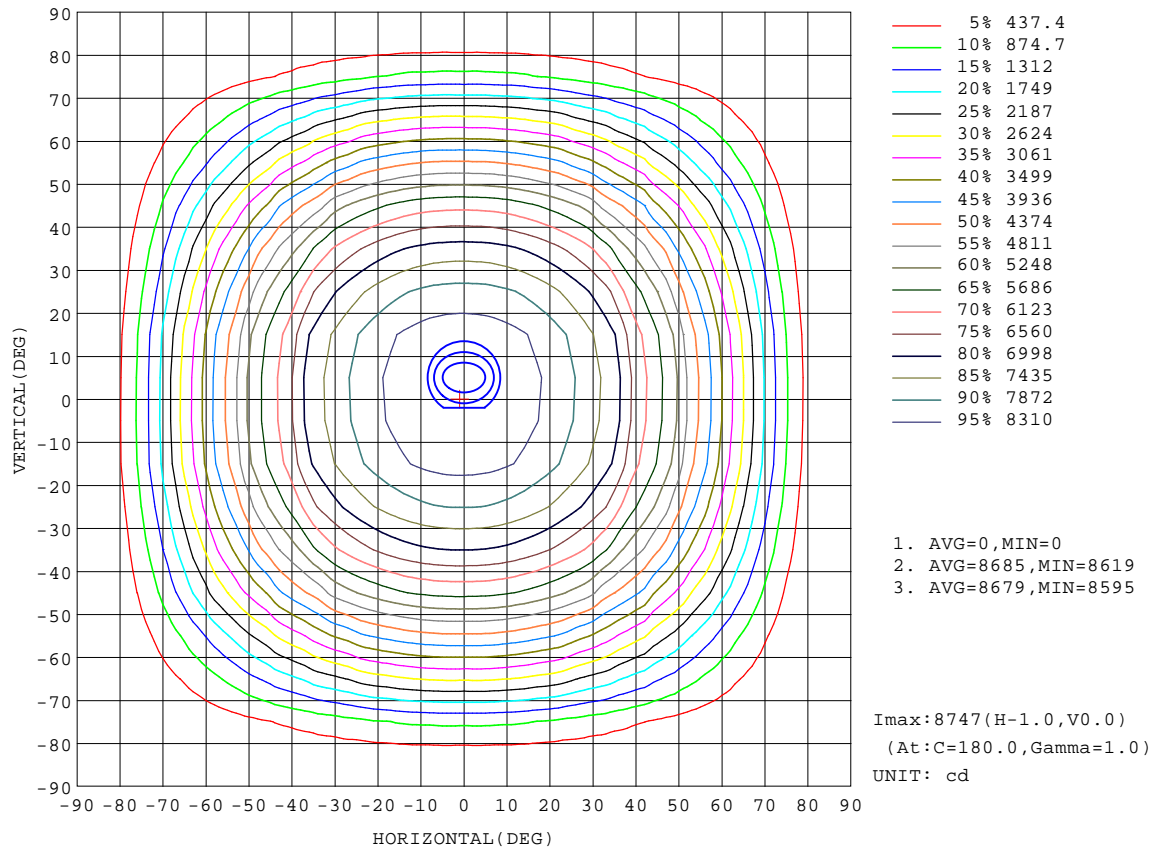
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	58	48	41	57	47	41	34
0.80	69	58	51	68	58	51	67	57	51	44
1.00	78	68	61	77	67	60	75	68	60	53
1.25	85	75	69	84	75	68	81	73	68	61
1.50	90	81	75	89	80	74	86	78	73	66
2.00	97	89	83	95	88	82	92	86	81	73
2.50	101	94	88	99	92	87	95	90	85	77
3.00	104	98	93	102	96	92	98	93	89	81
4.00	108	103	98	105	101	97	101	97	94	86
5.00	110	106	102	108	104	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:2024-11-12

$V(B)$ Range:-75 - 75DEG
 $V(B)$ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.17V I:1.2215A P:146.68W PF:0.9993 Freq:59.98Hz Lamp Flux:23782x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/110°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



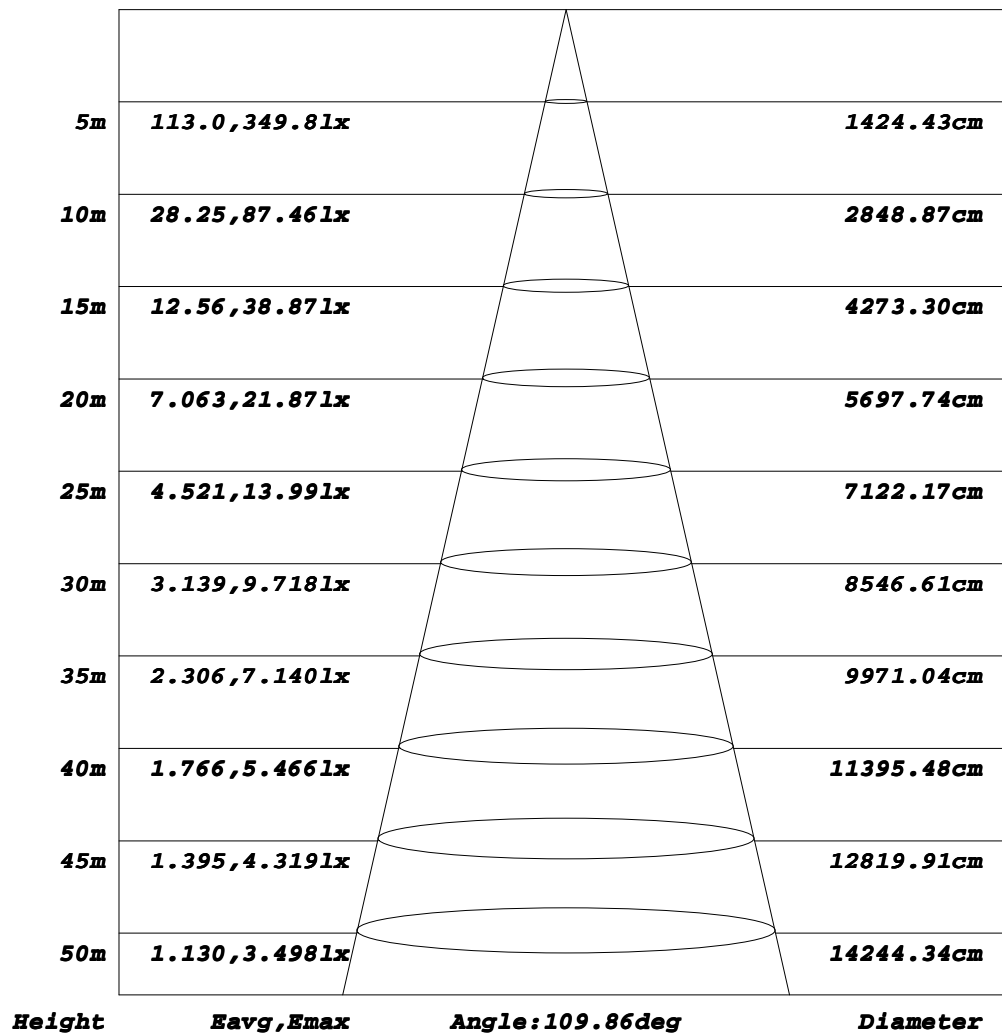
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.17V I:1.2215A P:146.68W PF:0.9993 Freq:59.98Hz Lamp Flux:23782x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/110°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:18104 lm



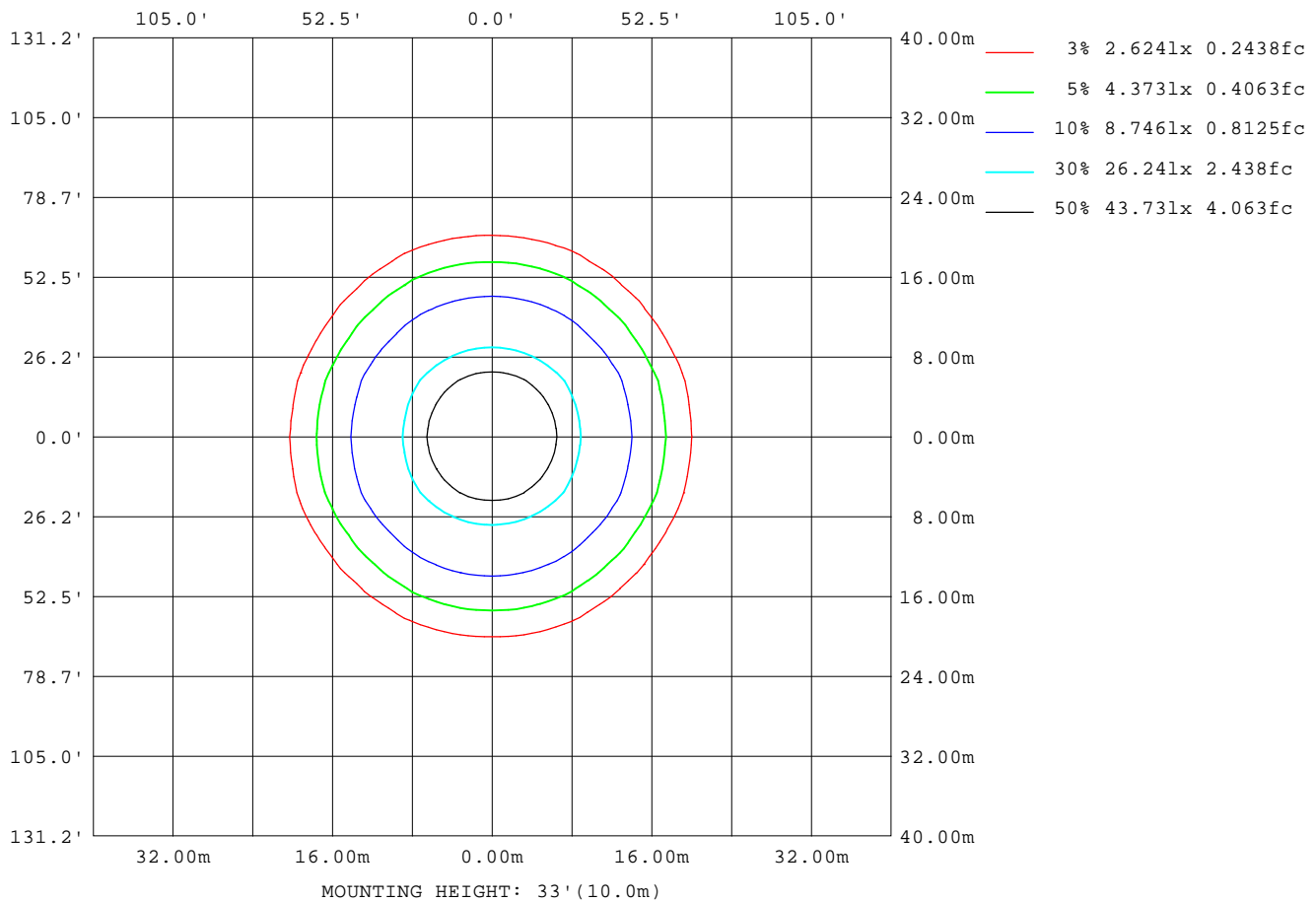
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessie
Test Date: 2024-11-12

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65%
Test Distance: 6.908m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.17V I:1.2215A P:146.68W PF:0.9993 Freq:59.98Hz Lamp Flux:23782x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/110°	DIM.: 280*230mm	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:2024-11-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.17V I:1.2215A P:146.68W PF:0.9993 Freq:59.98Hz Lamp Flux:23782x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/110°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

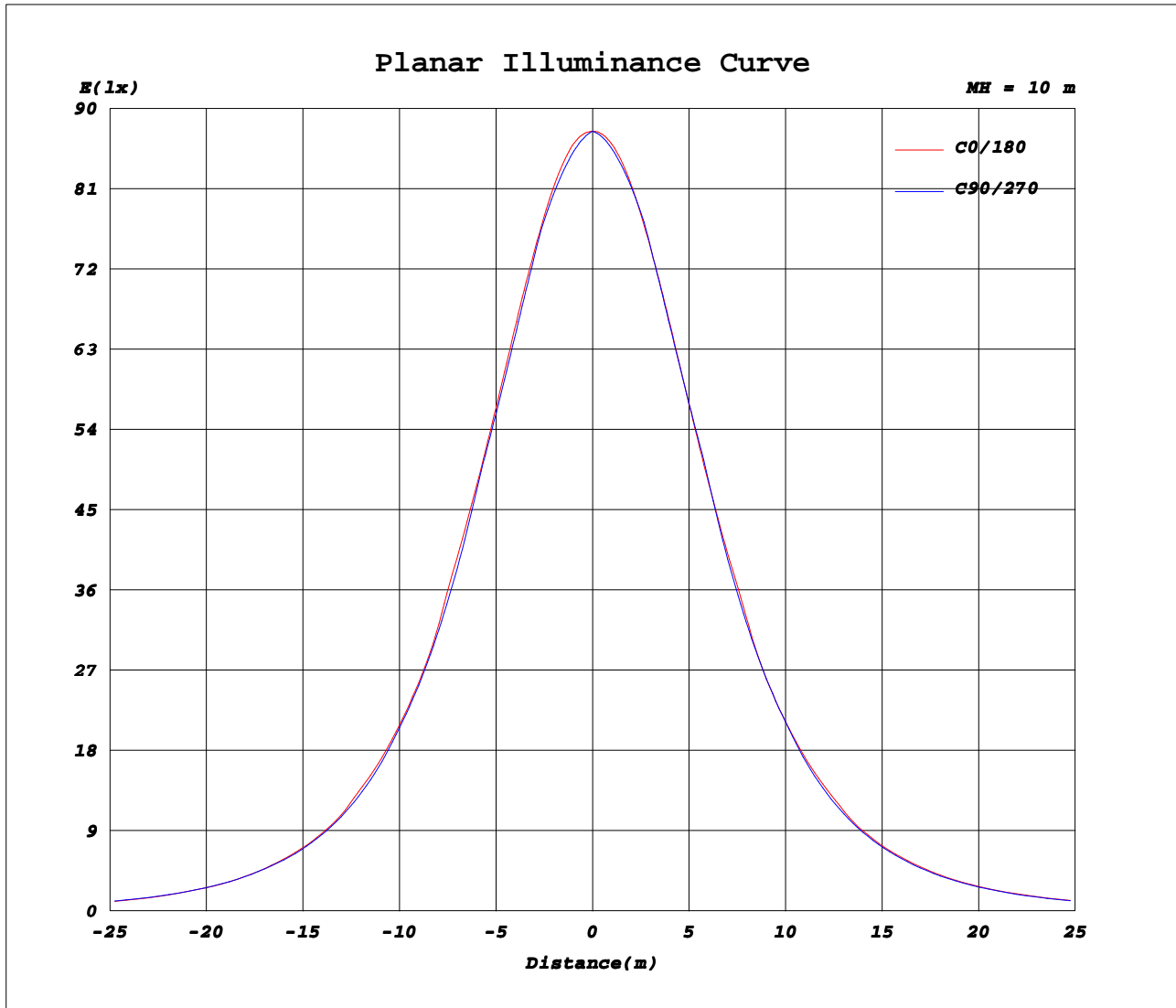
AvgL	cd/m2
L_0~180(65)av	271918
L_0~180(75)av	162223
L_0~180(85)av	8727
L_90~270(65)av	268169
L_90~270(75)av	157148
L_90~270(85)av	0
L_45(65)av	263080
L_45(75)av	170212
L_45(85)av	0

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:2024-11-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [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:2024-11-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [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	8746	8746	8746	8746	8746	8746	8746	8746	8746	8746
2.5	8743	8739	8735	8731	8727	8723	8720	8716	8713	8710
5.0	8734	8725	8717	8709	8701	8694	8688	8682	8677	8672
7.5	8704	8691	8679	8669	8660	8651	8644	8638	8631	8626
10.0	8653	8636	8621	8608	8596	8587	8580	8575	8570	8568
12.5	8586	8565	8547	8533	8520	8511	8505	8501	8499	8498
15.0	8502	8477	8456	8441	8429	8421	8417	8417	8419	8422
17.5	8402	8373	8351	8334	8322	8317	8317	8321	8328	8338
20.0	8290	8257	8232	8215	8205	8202	8205	8214	8229	8246
22.5	8152	8116	8091	8076	8072	8075	8084	8099	8120	8096
25.0	7996	7957	7932	7920	7919	7929	7948	7975	7943	7919
27.5	7828	7786	7760	7749	7754	7771	7800	7777	7752	7736
30.0	7645	7599	7572	7565	7575	7601	7600	7568	7549	7542
32.5	7450	7399	7371	7366	7382	7416	7374	7349	7338	7339
35.0	7232	7177	7151	7153	7178	7171	7136	7119	7119	7130
37.5	6909	6851	6848	6894	6952	6910	6887	6881	6891	6916
40.0	6480	6427	6420	6474	6564	6580	6609	6634	6658	6658
42.5	6192	6135	6121	6148	6144	6166	6238	6356	6389	6310
45.0	5905	5846	5841	5880	5832	5817	5859	5976	5993	5947
47.5	5585	5527	5529	5563	5517	5514	5549	5521	5550	5541
50.0	5262	5193	5206	5207	5180	5195	5220	5130	5100	5120
52.5	4770	4705	4744	4797	4790	4869	4795	4744	4704	4707
55.0	4374	4317	4343	4313	4355	4432	4353	4353	4324	4311
57.5	3990	3941	3987	3932	3960	3919	3920	3879	3943	3882
60.0	3564	3506	3548	3526	3573	3481	3456	3437	3509	3452
62.5	3101	3064	3065	3078	3103	3028	3041	2999	3039	3022
65.0	2690	2639	2638	2674	2616	2599	2594	2572	2553	2594
67.5	2197	2176	2175	2191	2169	2186	2137	2154	2135	2174
70.0	1740	1749	1744	1753	1764	1739	1721	1719	1730	1789
72.5	1334	1337	1349	1324	1333	1318	1308	1322	1367	1403
75.0	938.8	940.3	947.8	957.5	959.6	943.2	954.4	995.7	1016	1020
77.5	603.6	599.1	604.0	618.4	617.4	633.1	670.7	681.4	677.2	650.4
80.0	338.3	319.7	332.1	348.2	359.6	391.6	403.0	381.1	346.2	317.5
82.5	116.3	102.3	146.5	165.2	193.1	186.1	155.9	134.7	97.16	42.76
85.0	13.94	26.69	45.52	69.70	52.45	34.31	0	0	0	0
87.5	6.750	13.29	14.09	0	0	0	0	0	0	0
90.0	6.779	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	8746	8746	8746	8746	8746	8746	8746	8746	8746	8746
2.5	8708	8705	8703	8702	8701	8700	8699	8699	8700	8700
5.0	8667	8663	8660	8658	8655	8653	8652	8652	8653	8654
7.5	8621	8617	8613	8610	8608	8607	8605	8605	8607	8608
10.0	8566	8564	8562	8560	8559	8558	8558	8558	8560	8562
12.5	8500	8502	8505	8506	8507	8508	8510	8511	8514	8516
15.0	8427	8433	8440	8447	8453	8457	8460	8464	8467	8469
17.5	8349	8362	8362	8349	8340	8331	8324	8321	8322	8326
20.0	8243	8224	8210	8198	8191	8185	8179	8176	8177	8181
22.5	8077	8062	8052	8044	8040	8038	8034	8032	8032	8036
25.0	7904	7896	7890	7889	7888	7890	7889	7887	7888	7890
27.5	7726	7723	7725	7729	7734	7741	7743	7742	7743	7745
30.0	7543	7547	7556	7568	7579	7590	7598	7597	7598	7600
32.5	7352	7368	7384	7404	7368	7341	7323	7306	7301	7310
35.0	7153	7183	7137	7094	7063	7040	7024	7009	7005	7013
37.5	6924	6866	6820	6783	6757	6739	6725	6711	6709	6717
40.0	6588	6537	6499	6469	6448	6437	6425	6414	6412	6420
42.5	6250	6206	6175	6154	6139	6134	6125	6116	6116	6123
45.0	5909	5872	5850	5836	5829	5831	5826	5819	5820	5826
47.5	5562	5537	5524	5517	5495	5478	5461	5446	5441	5452
50.0	5198	5200	5172	5132	5106	5093	5082	5070	5063	5074
52.5	4791	4798	4769	4740	4718	4708	4703	4693	4685	4696
55.0	4311	4367	4356	4329	4324	4324	4323	4316	4306	4318
57.5	3875	3932	3934	3960	3940	3939	3943	3940	3928	3940
60.0	3460	3496	3502	3570	3552	3555	3562	3563	3550	3562
62.5	3036	3067	3068	3179	3145	3139	3137	3134	3118	3133
65.0	2596	2654	2639	2735	2711	2708	2704	2702	2687	2702
67.5	2172	2241	2222	2291	2279	2277	2271	2271	2256	2271
70.0	1778	1831	1808	1846	1848	1846	1840	1839	1824	1840
72.5	1393	1420	1394	1407	1417	1416	1408	1407	1393	1409
75.0	1007	1006	981.5	975.2	985.8	986.4	977.8	975.2	961.2	977.4
77.5	624.0	596.8	578.4	557.3	546.4	527.4	505.1	491.7	480.6	492.9
80.0	286.2	245.5	198.9	149.9	104.4	62.13	28.40	7.225	0	7.244
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:2024-11-12

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.908m [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	8746	8746	8746	8746	8746	8746	8746	8746	8746	8746
2.5	8701	8702	8703	8705	8707	8709	8711	8713	8716	8719
5.0	8655	8657	8659	8661	8664	8668	8672	8676	8681	8686
7.5	8609	8611	8613	8616	8619	8622	8626	8631	8636	8643
10.0	8563	8564	8565	8567	8569	8571	8574	8578	8584	8590
12.5	8516	8516	8516	8515	8515	8515	8517	8517	8518	8520
15.0	8468	8466	8464	8460	8457	8453	8448	8443	8440	8439
17.5	8332	8340	8351	8366	8384	8384	8373	8363	8356	8352
20.0	8186	8195	8205	8218	8232	8248	8271	8279	8266	8255
22.5	8041	8048	8057	8066	8076	8090	8111	8137	8166	8147
25.0	7895	7900	7907	7911	7917	7929	7945	7966	7993	8026
27.5	7749	7753	7755	7754	7756	7762	7772	7785	7806	7836
30.0	7603	7605	7600	7595	7592	7590	7590	7596	7610	7633
32.5	7329	7358	7390	7435	7424	7413	7404	7400	7403	7418
35.0	7031	7057	7088	7130	7180	7230	7212	7195	7188	7194
37.5	6734	6756	6786	6822	6865	6920	6984	6984	6964	6960
40.0	6436	6455	6482	6510	6547	6595	6654	6729	6733	6714
42.5	6138	6154	6177	6197	6226	6266	6318	6382	6466	6462
45.0	5840	5853	5869	5882	5902	5936	5977	6034	6090	6149
47.5	5474	5503	5536	5565	5578	5604	5632	5657	5679	5667
50.0	5094	5119	5145	5180	5227	5268	5289	5242	5247	5252
52.5	4715	4733	4753	4782	4827	4862	4929	4821	4829	4867
55.0	4336	4347	4361	4386	4423	4430	4454	4421	4452	4481
57.5	3956	3960	3968	3990	4006	4002	3985	3990	4071	4078
60.0	3577	3572	3577	3597	3572	3571	3552	3553	3620	3614
62.5	3151	3155	3167	3202	3132	3139	3140	3120	3179	3149
65.0	2717	2724	2731	2764	2692	2714	2711	2689	2723	2712
67.5	2282	2292	2297	2324	2268	2295	2265	2257	2255	2281
70.0	1848	1860	1862	1881	1850	1875	1841	1857	1825	1849
72.5	1415	1429	1429	1439	1432	1460	1443	1470	1449	1431
75.0	981.2	997.6	997.0	998.6	1014	1049	1055	1089	1086	1077
77.5	506.8	533.7	554.7	570.3	601.2	638.9	671.5	710.6	733.5	744.7
80.0	28.49	62.88	106.2	153.2	206.1	261.5	312.9	355.4	385.7	428.4
82.5	0	0	0	0	0	0	0	47.56	109.9	157.4
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	8746	8746	8746	8746	8746	8746	8746	8746	8746	8746
2.5	8723	8726	8730	8733	8737	8741	8745	8743	8740	8738
5.0	8692	8698	8704	8711	8719	8727	8735	8730	8725	8720
7.5	8650	8658	8667	8677	8688	8700	8712	8704	8696	8690
10.0	8596	8604	8613	8624	8637	8652	8668	8657	8648	8641
12.5	8524	8530	8539	8551	8566	8584	8604	8591	8580	8572
15.0	8442	8447	8456	8468	8484	8505	8529	8513	8501	8493
17.5	8351	8353	8359	8371	8387	8409	8437	8418	8406	8399
20.0	8248	8245	8247	8256	8272	8296	8327	8306	8292	8286
22.5	8131	8122	8119	8125	8141	8165	8199	8176	8163	8159
25.0	8003	7986	7977	7978	7988	8012	8049	8024	8012	8013
27.5	7863	7835	7817	7812	7821	7844	7884	7857	7846	7849
30.0	7669	7673	7648	7636	7640	7662	7704	7675	7665	7674
32.5	7449	7499	7464	7443	7442	7463	7507	7476	7468	7481
35.0	7217	7258	7264	7234	7229	7249	7296	7261	7253	7272
37.5	6971	7004	7051	7010	6985	6992	7042	7002	7008	7047
40.0	6714	6716	6744	6670	6596	6581	6626	6590	6613	6697
42.5	6398	6340	6312	6283	6239	6242	6289	6251	6258	6312
45.0	6009	5955	5959	6005	5958	5955	6000	5963	5974	6033
47.5	5672	5640	5649	5704	5669	5655	5698	5660	5680	5726
50.0	5342	5334	5324	5366	5352	5328	5371	5328	5356	5376
52.5	4946	5008	4976	4978	4982	4915	4957	4909	4972	4976
55.0	4507	4627	4538	4514	4517	4468	4509	4464	4511	4501
57.5	4074	4106	4130	4099	4148	4087	4113	4082	4138	4085
60.0	3643	3663	3738	3713	3752	3700	3729	3687	3734	3686
62.5	3218	3228	3296	3285	3261	3233	3260	3216	3234	3251
65.0	2787	2804	2831	2854	2825	2828	2826	2806	2785	2810
67.5	2316	2388	2375	2418	2380	2346	2352	2323	2336	2357
70.0	1865	1937	1957	1933	1934	1947	1925	1923	1882	1876
72.5	1433	1478	1537	1523	1516	1512	1479	1482	1470	1461
75.0	1046	1052	1098	1118	1100	1095	1077	1066	1049	1062
77.5	737.5	711.7	728.0	763.1	749.4	734.5	714.4	705.7	699.8	706.2

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

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-12

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.908m [K=1.0000]

Remarks:

Photometric Data Table [cd]

80.0	450.9	457.7	438.0	444.1	454.4	428.0	426.3	408.1	413.8	410.8
82.5	184.5	223.1	240.6	223.3	213.3	165.2	173.5	157.1	189.8	197.5
85.0	0	43.13	67.41	89.15	67.06	43.75	22.56	34.27	53.58	77.08
87.5	0	0	0	0	16.82	13.88	7.440	9.120	7.287	0
90.0	0	0	0	0	0	0	6.690	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	8746	8746	8746	8746	8746	8746	8746	8746	8746	8746
2.5	8735	8733	8731	8729	8727	8725	8724	8723	8721	8720
5.0	8716	8712	8708	8706	8703	8700	8698	8696	8694	8692
7.5	8684	8679	8675	8671	8669	8666	8665	8664	8663	8662
10.0	8636	8632	8629	8628	8626	8625	8625	8626	8627	8629
12.5	8567	8565	8565	8567	8571	8576	8580	8583	8587	8591
15.0	8489	8488	8490	8495	8503	8513	8524	8535	8543	8551
17.5	8397	8400	8406	8416	8428	8443	8460	8478	8484	8470
20.0	8288	8296	8309	8327	8347	8369	8369	8352	8341	8332
22.5	8164	8177	8197	8224	8255	8235	8216	8203	8195	8190
25.0	8025	8047	8075	8110	8085	8068	8057	8049	8045	8045
27.5	7867	7898	7939	7924	7903	7892	7889	7890	7893	7898
30.0	7699	7738	7747	7721	7710	7709	7713	7725	7737	7749
32.5	7516	7566	7527	7508	7505	7515	7533	7554	7577	7597
35.0	7316	7324	7294	7284	7292	7312	7344	7377	7335	7292
37.5	7103	7066	7048	7049	7069	7103	7119	7065	7019	6984
40.0	6789	6771	6786	6805	6838	6848	6784	6737	6699	6671
42.5	6348	6386	6456	6546	6570	6498	6445	6404	6377	6357
45.0	5995	6000	6063	6217	6182	6144	6100	6073	6052	6041
47.5	5678	5681	5727	5726	5763	5755	5753	5738	5725	5725
50.0	5346	5366	5390	5312	5315	5329	5406	5399	5369	5330
52.5	4983	5035	4982	4918	4894	4908	5032	4985	4961	4923
55.0	4533	4636	4526	4523	4512	4502	4539	4545	4546	4517
57.5	4120	4093	4084	4094	4121	4056	4063	4109	4118	4114
60.0	3716	3638	3629	3612	3660	3611	3628	3668	3674	3712
62.5	3249	3178	3189	3150	3209	3173	3203	3225	3228	3310
65.0	2761	2726	2739	2704	2723	2729	2752	2790	2780	2857
67.5	2297	2299	2261	2268	2252	2288	2297	2356	2342	2403
70.0	1873	1855	1823	1831	1830	1879	1872	1925	1909	1944
72.5	1449	1417	1394	1410	1450	1484	1469	1499	1477	1487
75.0	1043	1008	1018	1060	1083	1095	1072	1074	1045	1033
77.5	682.7	687.5	716.5	733.6	727.1	705.8	677.5	650.3	619.5	590.6
80.0	407.0	434.8	437.0	420.3	381.0	348.2	313.1	266.1	212.5	158.7
82.5	216.2	204.4	175.1	152.8	108.4	46.78	0	0	0	0
85.0	56.85	38.17	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	8746	8746	8746	8746	8746	8746	8746	8746	8746	8746
2.5	8719	8718	8718	8717	8717	8716	8716	8716	8717	8717
5.0	8691	8690	8689	8688	8687	8686	8687	8687	8688	8689
7.5	8661	8661	8660	8659	8658	8657	8656	8657	8657	8658
10.0	8630	8630	8630	8630	8628	8627	8626	8625	8624	8623
12.5	8595	8598	8600	8601	8599	8597	8595	8592	8589	8586
15.0	8559	8565	8569	8571	8570	8567	8563	8558	8552	8543
17.5	8459	8451	8445	8441	8437	8436	8439	8445	8452	8459
20.0	8323	8316	8312	8308	8305	8304	8306	8311	8314	8318
22.5	8186	8181	8178	8176	8173	8171	8173	8176	8175	8175
25.0	8047	8045	8044	8043	8040	8038	8040	8039	8034	8030
27.5	7905	7908	7909	7910	7908	7906	7906	7901	7892	7882
30.0	7762	7771	7774	7777	7776	7773	7773	7762	7749	7732
32.5	7558	7530	7503	7487	7480	7484	7500	7519	7544	7578
35.0	7257	7230	7207	7191	7184	7187	7203	7218	7239	7267
37.5	6955	6930	6912	6895	6889	6891	6904	6917	6933	6954
40.0	6651	6629	6615	6599	6593	6595	6605	6615	6623	6640
42.5	6346	6329	6318	6303	6297	6298	6306	6313	6313	6323
45.0	6038	6029	6021	6007	6001	6002	6007	6009	6002	6004
47.5	5702	5671	5643	5617	5607	5611	5627	5645	5663	5682
50.0	5299	5273	5248	5223	5212	5216	5229	5241	5258	5283
52.5	4896	4875	4854	4829	4818	4821	4831	4839	4852	4875
55.0	4494	4475	4459	4435	4423	4426	4433	4437	4446	4469
57.5	4092	4076	4065	4041	4029	4030	4034	4036	4041	4063
60.0	3691	3677	3671	3648	3634	3634	3634	3636	3637	3657
62.5	3271	3249	3235	3210	3194	3197	3199	3209	3218	3248
65.0	2823	2807	2791	2771	2753	2757	2758	2768	2775	2791
67.5	2375	2364	2347	2331	2313	2318	2319	2328	2332	2336
70.0	1928	1920	1903	1891	1872	1878	1880	1888	1890	1882

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-12

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.908m [K=1.0000]

Remarks:

Photometric Data Table [cd]

72.5	1482	1477	1460	1451	1432	1439	1442	1447	1448	1436
75.0	1036	1034	1017	1011	991.1	999.3	1004	1007	1005	998.2
77.5	577.2	553.4	525.5	510.2	495.6	503.8	518.7	538.2	556.0	572.4
80.0	110.5	65.20	29.55	7.497	0	7.403	29.17	63.37	106.2	154.1
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	8746	8746	8746	8746	8746	8746	8746	8746	8746	8746
2.5	8718	8720	8721	8723	8724	8726	8728	8730	8733	8735
5.0	8690	8692	8694	8696	8699	8702	8706	8709	8713	8718
7.5	8659	8660	8661	8663	8665	8668	8670	8673	8678	8683
10.0	8623	8621	8619	8618	8616	8615	8615	8617	8620	8626
12.5	8581	8574	8567	8560	8555	8551	8549	8548	8550	8555
15.0	8532	8519	8507	8496	8486	8477	8470	8466	8465	8468
17.5	8467	8461	8443	8425	8407	8392	8378	8369	8364	8365
20.0	8325	8335	8349	8345	8318	8294	8275	8261	8252	8250
22.5	8178	8184	8192	8205	8221	8189	8161	8139	8124	8116
25.0	8028	8026	8028	8035	8051	8073	8033	8000	7976	7963
27.5	7872	7862	7858	7859	7865	7879	7892	7849	7816	7796
30.0	7712	7696	7683	7671	7667	7676	7698	7685	7642	7615
32.5	7550	7525	7498	7474	7462	7461	7474	7505	7454	7420
35.0	7307	7349	7306	7273	7248	7234	7239	7262	7254	7210
37.5	6988	7029	7083	7063	7023	7000	6994	7003	7031	6951
40.0	6665	6697	6744	6806	6794	6758	6716	6669	6636	6529
42.5	6338	6364	6401	6453	6529	6479	6339	6254	6221	6209
45.0	6010	6028	6056	6084	6127	6092	5965	5912	5911	5942
47.5	5682	5688	5705	5671	5674	5637	5661	5610	5594	5625
50.0	5323	5348	5333	5249	5218	5244	5332	5289	5260	5268
52.5	4903	4936	4913	4833	4820	4858	4894	4967	4860	4854
55.0	4471	4490	4424	4433	4436	4454	4453	4513	4430	4373
57.5	4029	4043	3980	3990	4053	3968	4013	4005	4035	3992
60.0	3586	3592	3548	3546	3602	3533	3539	3555	3645	3584
62.5	3144	3149	3098	3100	3095	3081	3122	3095	3166	3133
65.0	2709	2725	2649	2660	2612	2637	2655	2657	2665	2725
67.5	2278	2299	2225	2229	2185	2196	2186	2231	2210	2231
70.0	1850	1871	1823	1827	1769	1746	1752	1764	1795	1786
72.5	1425	1445	1422	1422	1394	1345	1325	1336	1351	1349
75.0	1001	1020	1023	1025	1033	1013	967.8	954.5	972.7	976.2
77.5	588.1	602.5	630.9	654.4	683.5	689.7	677.2	636.8	622.9	630.0
80.0	202.4	248.0	288.3	317.0	345.0	382.9	402.2	393.2	360.1	352.0
82.5	0	0	0	42.76	96.34	133.5	152.9	185.0	192.3	163.7
85.0	0	0	0	0	0	0	0	33.66	50.65	66.61
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	8746	8746								
2.5	8738	8740								
5.0	8723	8728								
7.5	8689	8696								
10.0	8633	8642								
12.5	8562	8573								
15.0	8475	8486								
17.5	8372	8384								
20.0	8255	8269								
22.5	8117	8129								
25.0	7961	7972								
27.5	7791	7801								
30.0	7606	7616								
32.5	7407	7417								
35.0	7189	7196								
37.5	6884	6868								
40.0	6459	6446								
42.5	6161	6155								
45.0	5881	5866								
47.5	5571	5548								
50.0	5249	5213								
52.5	4782	4726								
55.0	4389	4341								
57.5	4034	3964								
60.0	3590	3527								
62.5	3104	3083								

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-12

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.908m [K=1.0000]

Remarks:

Photometric Data Table [cd]

65.0	2672	2658
67.5	2206	2195
70.0	1773	1766
72.5	1372	1353
75.0	964.3	952.1
77.5	615.1	608.2
80.0	345.9	332.7
82.5	152.2	119.6
85.0	42.54	25.75
87.5	8.137	8.525
90.0	0	0

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [K=1.0000]
Remarks: