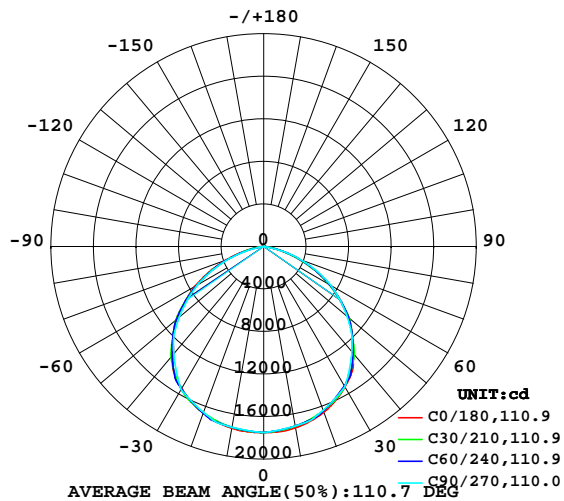


LUMINAIRE PHOTOMETRIC TEST REPORT

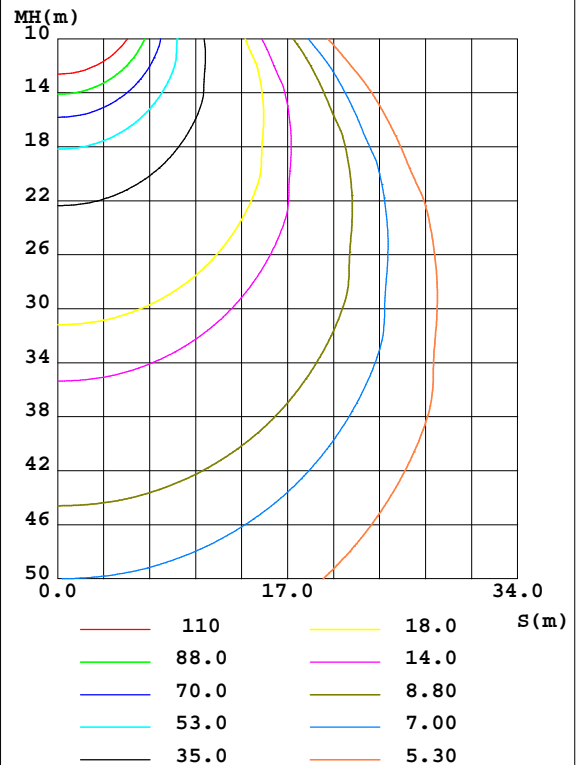
Test:U:119.92V I:2.4882A P:298.22W PF:0.9994 Freq:59.98Hz Lamp Flux:47582.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W/5000K/110°	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 159.56 lm/W			
MODEL	GHSL-48-U	Imax(cd)	17509	S/MH(C0/180)	1.31
NOMINAL POWER(W)	300	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	47583	η UP,DN(C0-180)	0.0,49.9
NOMINAL FLUX(lm)	47582.6	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.1
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	1731	1715	1714	1718	1736	1727	1726	1723	0- 10	1655	1655	3.48,3.48
20	1658	1651	1639	1658	1668	1674	1660	1667	10- 20	4793	6448	13.6,13.6
30	1528	1512	1526	1524	1544	1542	1554	1532	20- 30	7373	13822	29,29
40	1296	1337	1291	1353	1322	1370	1317	1357	30- 40	9008	22830	48,48
50	1051	1030	1025	1056	1076	1062	1036	1044	40- 50	9200	32029	67.3,67.3
60	714.8	698.2	727.1	720.9	747.0	718.7	714.0	700.2	50- 60	7932	39962	84,84
70	352.3	365.9	380.2	384.2	385.6	370.7	350.6	354.1	60- 70	5375	45337	95.3,95.3
80	68.22	68.26	0	79.62	84.53	60.94	0	55.17	70- 80	2139	47476	99.8,99.8
90	1.278	0	0	0	1.253	0	0	0	80- 90	106.9	47583	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:×10cd									UNIT: lm		

Conical surface Flux(90deg): 27490 lm

%lum = 57.8%

%lamp = 57.8%

Conical surface Flux(120deg): 39962 lm

%lum = 84.0%

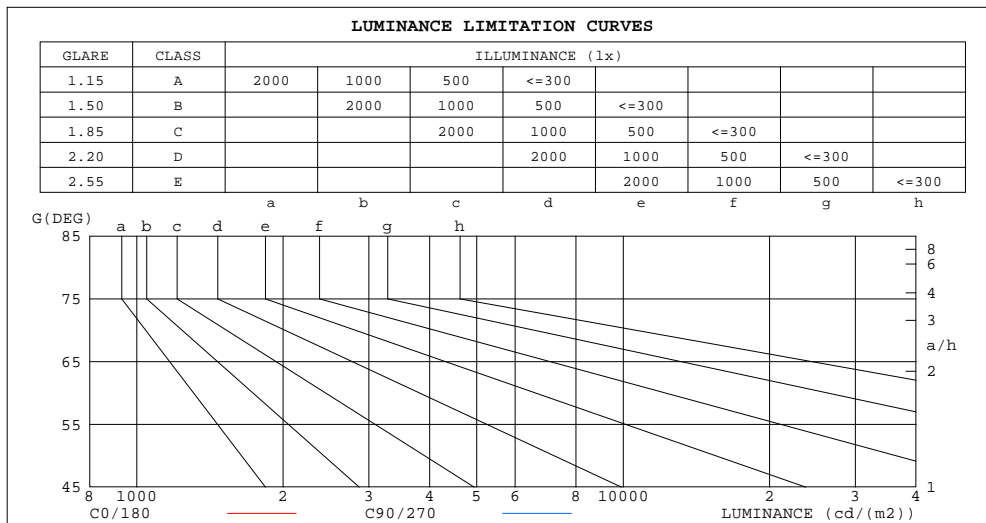
%lamp = 84.0%

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:

LUMINANCE LIMITATION CURVES

Test:U:119.92V I:2.4882A P:298.22W PF:0.9994 Freq:59.98Hz Lamp Flux:47582.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W/5000K/110°	DIM.: 230*530mm	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	34072	0
80	163698	0
75	309736	332908
70	429168	463232
65	531154	545898
60	595635	605956
55	634998	636234
50	681221	664107
45	694991	691311

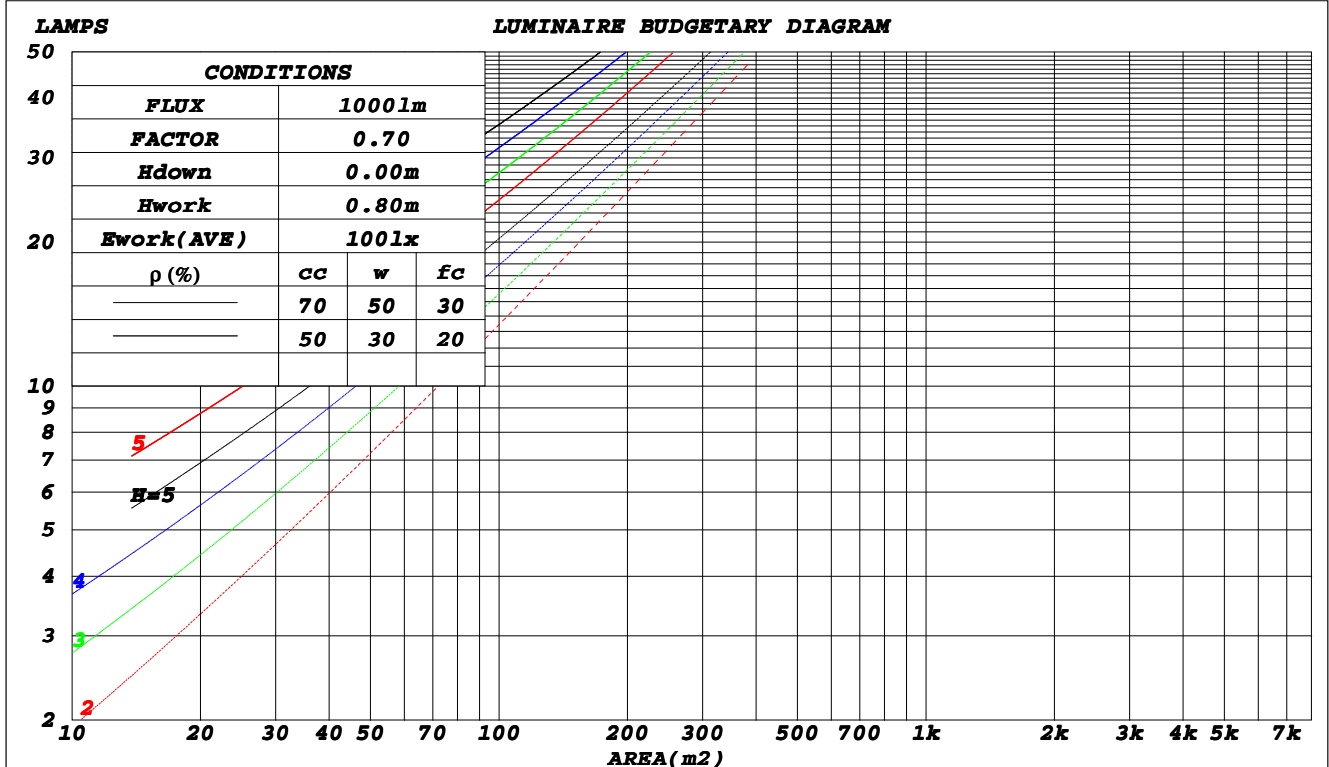
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-12

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:119.92V I:2.4882A P:298.22W PF:0.9994 Freq:59.98Hz Lamp Flux:47582.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W/5000K/110°	DIM.: 230*530mm	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	.75	.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	.58	.49	.43	.56	.48	.43	.54	.48	.43	.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	.34	.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:119.92V I:2.4882A P:298.22W PF:0.9994 Freq:59.98Hz Lamp Flux:47582.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W/5000K/110°	DIM.: 230*530mm	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	.154	.049	.257	.148	.047	.245	.142	.045	.234	.136	.044		
2.0	.270	.148	.045	.264	.145	.045	.253	.140	.044	.242	.136	.042	.232	.131	.041		
3.0	.255	.136	.041	.249	.134	.040	.239	.130	.039	.230	.126	.039	.221	.122	.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	.203	.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	.162	.083	.024		
9.0	.171	.083	.023	.168	.082	.023	.163	.081	.023	.158	.079	.023	.153	.078	.023		
10.0	.161	.077	.021	.158	.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:119.92V I:2.4882A P:298.22W PF:0.9994 Freq:59.98Hz Lamp Flux:47582.6x1 lm										
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:300W/5000K/110°					DIM.: 230*530mm			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	21.9	23.4	22.2	23.6	23.8
3H	22.9	24.2	23.2	24.5	24.7	23.1	24.4	23.4	24.7	24.9
4H	23.1	24.4	23.5	24.7	24.9	23.4	24.7	23.7	24.9	25.2
6H	23.2	24.4	23.5	24.6	24.9	23.4	24.6	23.7	24.8	25.1
8H	23.1	24.3	23.5	24.6	24.8	23.3	24.5	23.6	24.7	25.0
12H	23.1	24.2	23.4	24.5	24.8	23.2	24.4	23.6	24.7	25.0
4H 2H	22.3	23.6	22.6	23.9	24.1	22.4	23.7	22.7	23.9	24.2
3H	23.5	24.6	23.9	24.9	25.2	23.7	24.8	24.0	25.1	25.4
4H	23.8	24.8	24.2	25.2	25.5	24.1	25.1	24.4	25.4	25.7
6H	23.9	24.8	24.3	25.1	25.5	24.1	25.0	24.5	25.3	25.7
8H	23.9	24.7	24.3	25.1	25.4	24.0	24.9	24.4	25.2	25.6
12H	23.8	24.6	24.2	25.0	25.4	24.0	24.7	24.4	25.1	25.5
8H 4H	23.9	24.8	24.3	25.1	25.5	24.1	25.0	24.5	25.3	25.7
6H	24.1	24.7	24.5	25.1	25.6	24.2	24.9	24.6	25.3	25.7
8H	24.0	24.6	24.5	25.1	25.5	24.1	24.7	24.6	25.2	25.6
12H	24.0	24.5	24.5	25.0	25.4	24.1	24.6	24.6	25.1	25.5
12H 4H	23.9	24.7	24.3	25.0	25.4	24.1	24.9	24.5	25.2	25.7
6H	24.0	24.6	24.5	25.0	25.5	24.1	24.7	24.6	25.2	25.6
8H	24.0	24.5	24.5	25.0	25.5	24.1	24.6	24.6	25.1	25.5
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, 47583 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 13.4$)
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:119.92V I:2.4882A P:298.22W PF:0.9994 Freq:59.98Hz Lamp Flux:47582.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W/5000K/110°	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

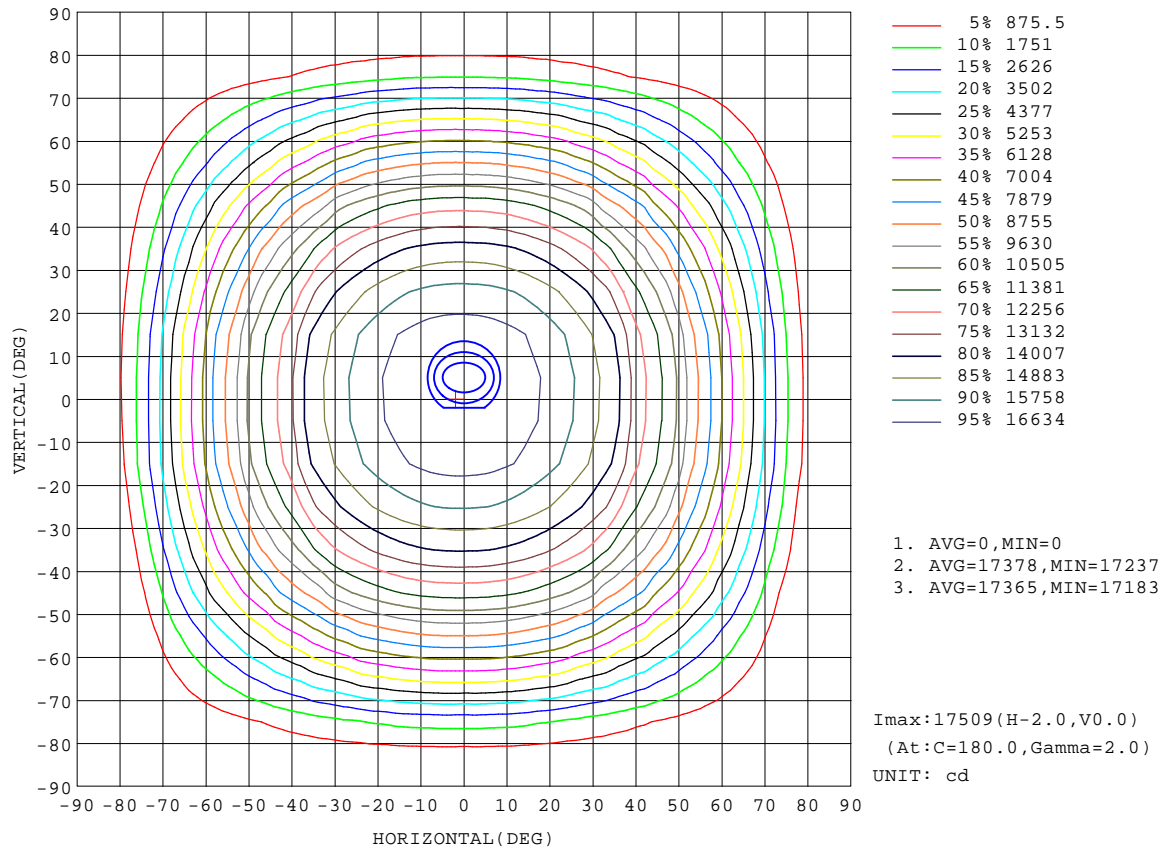
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	58	48	41	57	47	41	34
0.80	70	58	51	69	58	51	67	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:119.92V I:2.4882A P:298.22W PF:0.9994 Freq:59.98Hz Lamp Flux:47582.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W/5000K/110°	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



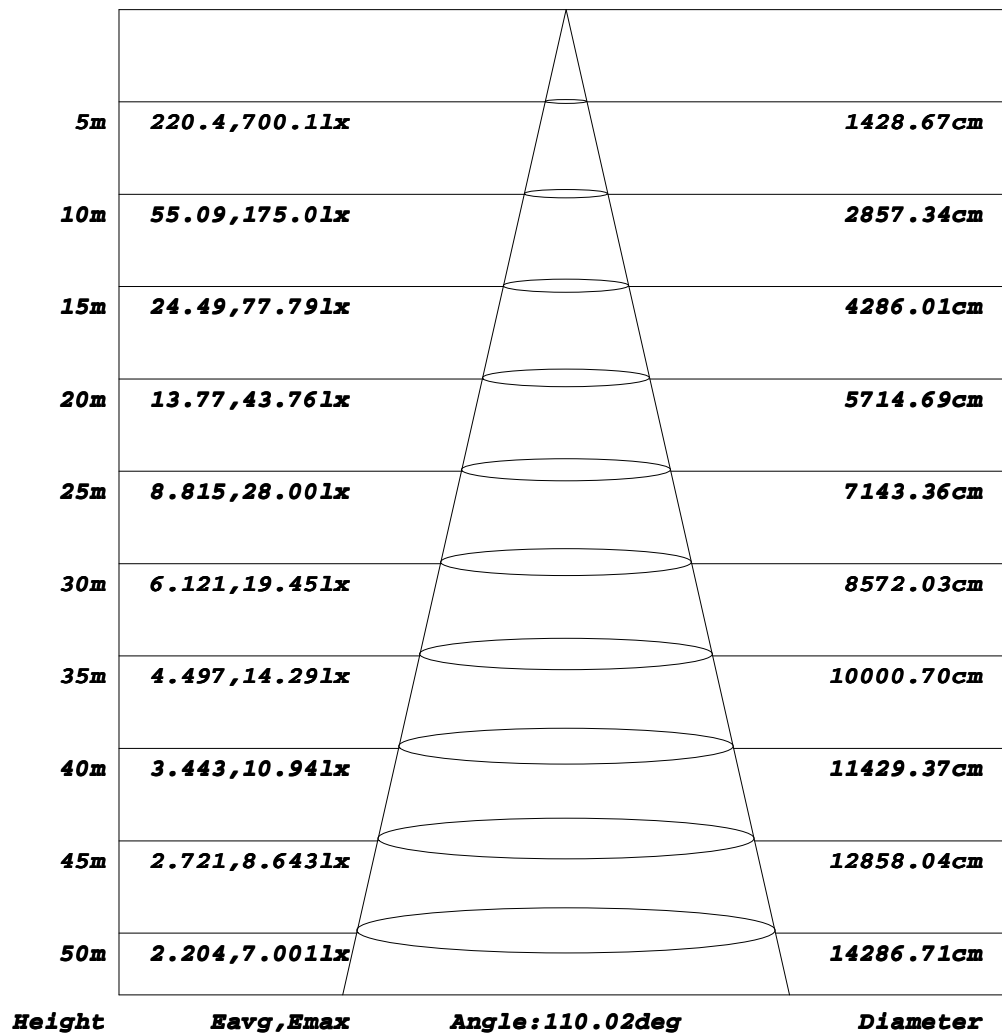
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-12

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:119.92V I:2.4882A P:298.22W PF:0.9994 Freq:59.98Hz Lamp Flux:47582.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W/5000K/110°	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:36642 lm



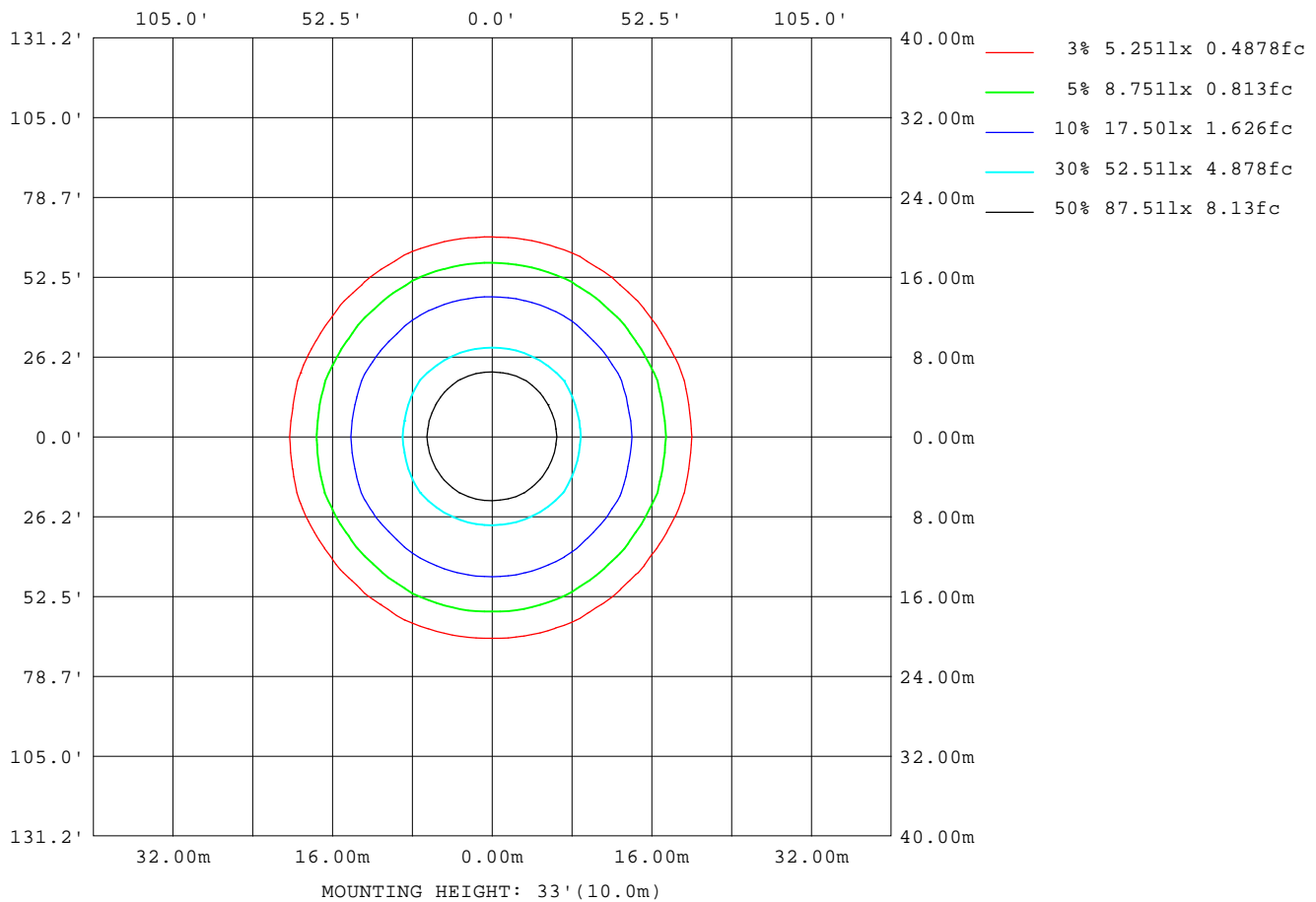
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:119.92V I:2.4882A P:298.22W PF:0.9994 Freq:59.98Hz Lamp Flux:47582.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W/5000K/110°	DIM.: 230*530mm	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:119.92V I:2.4882A P:298.22W PF:0.9994 Freq:59.98Hz Lamp Flux:47582.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:300W/5000K/110°	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

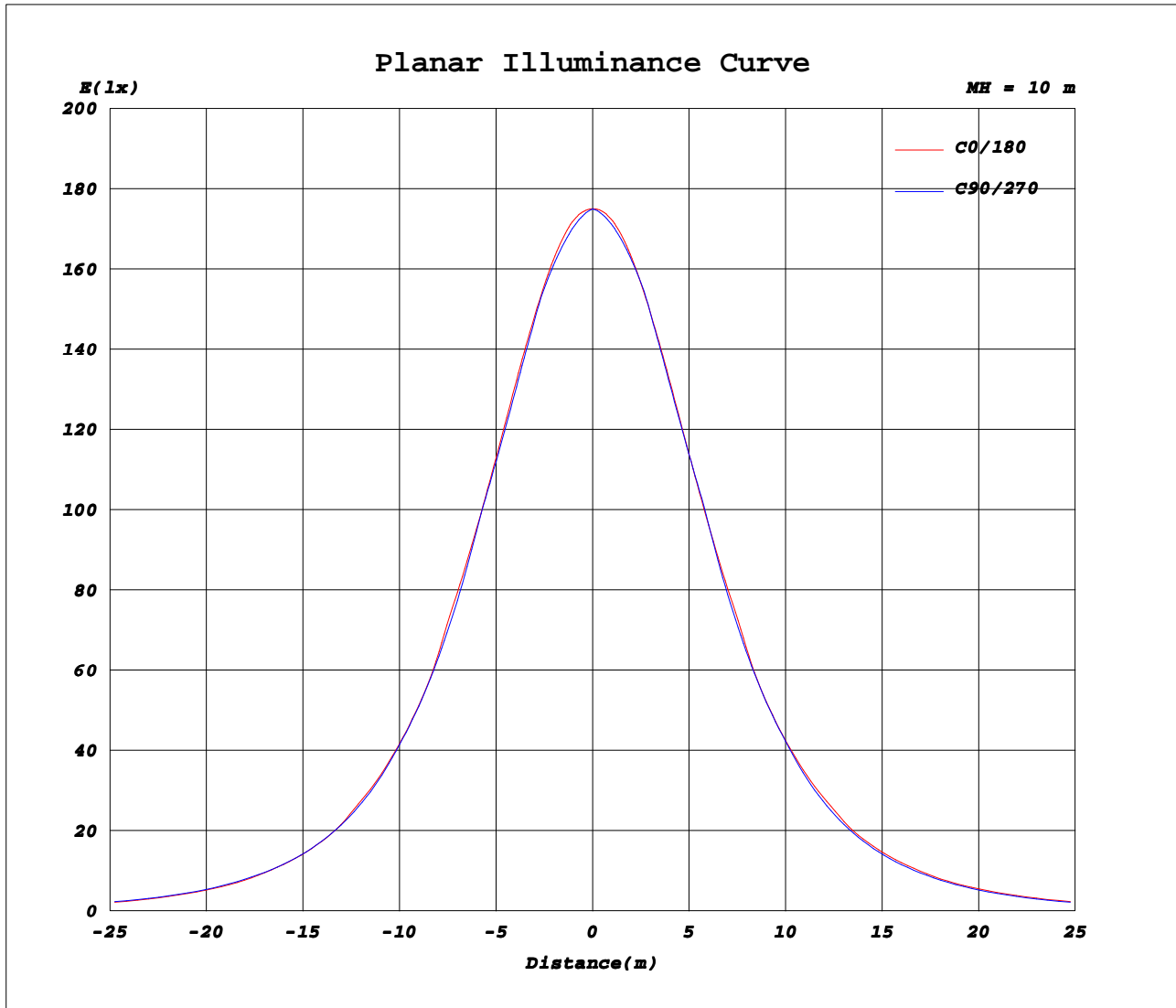
AvgL	cd/m2
L_0~180(65)av	544517
L_0~180(75)av	328864
L_0~180(85)av	35336
L_90~270(65)av	535347
L_90~270(75)av	302370
L_90~270(85)av	0
L_45(65)av	527481
L_45(75)av	340025
L_45(85)av	0

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	17502	17502	17502	17502	17502	17502	17502	17502	17502	17502
2.5	17495	17487	17479	17471	17463	17456	17449	17443	17437	17432
5.0	17474	17458	17442	17426	17412	17398	17386	17375	17365	17355
7.5	17416	17390	17367	17346	17328	17311	17296	17284	17272	17262
10.0	17311	17278	17248	17222	17201	17184	17170	17160	17152	17148
12.5	17177	17136	17101	17073	17049	17031	17019	17012	17008	17008
15.0	17010	16961	16921	16890	16869	16853	16846	16845	16848	16857
17.5	16807	16751	16707	16675	16653	16643	16644	16654	16670	16690
20.0	16578	16514	16466	16434	16416	16412	16421	16440	16469	16506
22.5	16305	16236	16188	16160	16152	16159	16179	16210	16253	16209
25.0	15992	15917	15868	15846	15847	15870	15911	15965	15905	15861
27.5	15648	15567	15519	15502	15515	15555	15614	15574	15529	15500
30.0	15278	15189	15141	15131	15156	15212	15216	15159	15128	15118
32.5	14882	14785	14734	14728	14767	14841	14764	14721	14709	14718
35.0	14448	14342	14293	14299	14354	14349	14289	14265	14272	14305
37.5	13837	13719	13712	13798	13905	13828	13791	13791	13821	13878
40.0	12964	12861	12855	12969	13155	13186	13246	13299	13358	13366
42.5	12373	12265	12242	12301	12307	12365	12519	12755	12824	12672
45.0	11794	11685	11680	11765	11680	11661	11760	12012	12034	11948
47.5	11158	11050	11062	11137	11055	11058	11138	11095	11164	11141
50.0	10509	10393	10422	10436	10389	10429	10483	10312	10267	10302
52.5	9549	9428	9526	9630	9633	9785	9646	9545	9472	9487
55.0	8741	8636	8694	8651	8752	8949	8769	8769	8717	8699
57.5	7981	7887	7984	7890	7958	7901	7917	7844	7960	7843
60.0	7148	7035	7131	7092	7194	7040	7009	6954	7092	6982
62.5	6211	6136	6152	6204	6275	6142	6197	6087	6169	6120
65.0	5387	5306	5306	5398	5296	5305	5311	5235	5204	5268
67.5	4418	4365	4388	4457	4398	4478	4362	4400	4350	4433
70.0	3523	3530	3549	3546	3594	3566	3524	3517	3538	3659
72.5	2693	2721	2732	2703	2711	2688	2679	2694	2803	2885
75.0	1924	1898	1895	1917	1947	1919	1945	2035	2095	2117
77.5	1235	1164	1125	1165	1237	1297	1371	1405	1409	1369
80.0	682.2	522.7	508.0	597.7	698.2	806.5	832.4	798.5	739.2	682.6
82.5	300.7	175.7	214.4	262.1	359.9	379.1	327.9	288.3	209.1	91.86
85.0	71.27	66.26	77.35	109.9	94.26	69.34	0	0	0	0
87.5	16.37	36.20	31.29	0	0	0	0	0	0	0
90.0	12.78	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	17502	17502	17502	17502	17502	17502	17502	17502	17502	17502
2.5	17427	17423	17419	17416	17414	17412	17411	17411	17412	17413
5.0	17347	17339	17333	17328	17324	17321	17320	17320	17321	17323
7.5	17254	17246	17240	17235	17231	17228	17227	17228	17230	17233
10.0	17143	17140	17138	17135	17133	17133	17134	17136	17139	17143
12.5	17012	17018	17024	17028	17031	17034	17039	17043	17048	17053
15.0	16868	16880	16896	16912	16924	16933	16941	16950	16958	16962
17.5	16713	16737	16741	16718	16702	16685	16673	16671	16674	16683
20.0	16503	16468	16442	16421	16410	16401	16390	16387	16391	16400
22.5	16176	16151	16134	16121	16115	16113	16106	16104	16108	16117
25.0	15835	15824	15817	15816	15817	15823	15822	15821	15825	15834
27.5	15486	15484	15494	15506	15517	15531	15538	15537	15542	15550
30.0	15125	15139	15162	15189	15214	15237	15255	15254	15259	15266
32.5	14747	14786	14825	14868	14799	14746	14709	14677	14671	14690
35.0	14355	14422	14336	14255	14195	14148	14115	14088	14083	14102
37.5	13903	13791	13706	13637	13587	13551	13522	13499	13495	13514
40.0	13235	13136	13068	13014	12976	12953	12928	12910	12907	12925
42.5	12560	12477	12423	12388	12363	12354	12334	12321	12320	12337
45.0	11879	11815	11774	11757	11748	11751	11740	11732	11732	11748
47.5	11186	11147	11123	11123	11087	11054	11020	10997	10989	11012
50.0	10462	10480	10421	10359	10318	10294	10273	10254	10245	10269
52.5	9654	9676	9623	9579	9546	9534	9525	9512	9502	9527
55.0	8702	8815	8811	8801	8774	8775	8776	8769	8758	8784
57.5	7833	7954	7968	8024	8001	8016	8025	8026	8015	8042
60.0	7010	7089	7107	7243	7229	7258	7274	7283	7271	7299
62.5	6171	6237	6243	6457	6418	6425	6422	6420	6404	6437
65.0	5298	5414	5384	5567	5545	5556	5553	5552	5537	5571
67.5	4441	4584	4542	4679	4676	4688	4685	4684	4670	4704
70.0	3638	3754	3708	3794	3808	3821	3818	3816	3802	3837
72.5	2861	2924	2878	2916	2943	2955	2952	2948	2935	2969
75.0	2087	2095	2053	2046	2075	2089	2087	2079	2068	2102
77.5	1322	1273	1232	1183	1159	1122	1080	1049	1034	1061
80.0	614.3	524.1	423.0	318.0	221.4	132.1	60.73	15.41	0	15.59
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:2024-11-12

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	17502	17502	17502	17502	17502	17502	17502	17502	17502	17502
2.5	17415	17417	17420	17428	17428	17433	17438	17444	17450	17456
5.0	17327	17331	17336	17342	17348	17355	17363	17372	17382	17393
7.5	17238	17243	17247	17253	17260	17267	17275	17285	17296	17310
10.0	17147	17151	17155	17159	17162	17168	17174	17183	17193	17204
12.5	17055	17057	17057	17056	17057	17058	17061	17060	17062	17066
15.0	16962	16960	16954	16949	16943	16935	16924	16913	16906	16905
17.5	16866	16873	16876	16875	16879	16876	16873	16872	16873	16872
20.0	16412	16428	16449	16475	16499	16529	16569	16585	16561	16539
22.5	16128	16141	16160	16176	16193	16219	16258	16307	16360	16321
25.0	15843	15853	15866	15872	15882	15904	15932	15969	16018	16081
27.5	15557	15564	15567	15564	15569	15577	15591	15613	15651	15708
30.0	15272	15274	15266	15255	15248	15239	15235	15243	15265	15304
32.5	14729	14788	14853	14944	14917	14891	14869	14855	14854	14880
35.0	14140	14193	14256	14339	14434	14533	14609	14650	14629	14637
37.5	13552	13599	13657	13727	13811	13918	14044	14200	14387	14573
40.0	12962	13003	13056	13109	13180	13273	13384	13527	13690	13868
42.5	12372	12407	12450	12488	12545	12621	12718	12841	13002	13181
45.0	11782	11810	11840	11864	11905	11967	12043	12150	12287	12445
47.5	11063	11120	11181	11238	11262	11309	11361	11396	11420	11366
50.0	10316	10362	10410	10476	10567	10647	10681	10560	10543	10563
52.5	9570	9603	9639	9694	9779	9844	9957	9723	9720	9797
55.0	8823	8841	8867	8914	8985	8984	9004	8929	8978	9030
57.5	8075	8078	8095	8133	8169	8133	8073	8079	8223	8234
60.0	7327	7314	7322	7357	7317	7277	7218	7209	7331	7309
62.5	6472	6481	6509	6578	6447	6417	6406	6351	6454	6380
65.0	5599	5614	5632	5702	5557	5571	5575	5501	5563	5509
67.5	4726	4748	4758	4823	4700	4734	4698	4646	4637	4649
70.0	3854	3883	3885	3939	3861	3898	3837	3842	3765	3798
72.5	2984	3019	3013	3056	3031	3071	3025	3059	3005	2978
75.0	2113	2154	2145	2174	2203	2252	2244	2290	2274	2246
77.5	1095	1160	1206	1269	1360	1438	1477	1531	1563	1568
80.0	61.56	136.7	230.8	340.2	466.9	593.9	705.9	796.2	867.3	930.0
82.5	0	0	0	0	0	0	0	107.2	249.1	354.9
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	17502	17502	17502	17502	17502	17502	17502	17502	17502	17502
2.5	17463	17469	17477	17484	17492	17500	17508	17502	17497	17492
5.0	17404	17416	17429	17443	17458	17474	17490	17479	17469	17459
7.5	17323	17339	17357	17376	17398	17421	17446	17429	17413	17399
10.0	17217	17232	17250	17271	17297	17326	17359	17336	17317	17301
12.5	17073	17086	17104	17129	17158	17193	17234	17205	17182	17165
15.0	16909	16921	16939	16964	16997	17038	17087	17053	17026	17007
17.5	16731	16735	16747	16769	16802	16846	16902	16862	16835	16818
20.0	16524	16518	16522	16539	16571	16618	16681	16636	16607	16593
22.5	16290	16271	16267	16279	16309	16357	16425	16377	16348	16338
25.0	16035	16002	15983	15984	16005	16051	16123	16071	16045	16045
27.5	15756	15698	15664	15654	15671	15717	15794	15737	15711	15715
30.0	15371	15377	15326	15300	15309	15354	15436	15373	15348	15360
32.5	14937	15029	14960	14917	14916	14958	15045	14976	14954	14975
35.0	14477	14554	14563	14504	14491	14530	14623	14548	14527	14560
37.5	13990	14049	14139	14047	13975	13971	14065	13977	13992	14091
40.0	13476	13460	13484	13301	13151	13128	13216	13141	13171	13319
42.5	12817	12678	12610	12571	12494	12504	12601	12516	12522	12616
45.0	12037	11930	11943	12027	11930	11928	12022	11939	11954	12063
47.5	11388	11316	11322	11423	11348	11322	11412	11329	11365	11452
50.0	10734	10704	10672	10739	10710	10665	10755	10667	10719	10749
52.5	9946	10053	9964	9963	9949	9802	9881	9782	9903	9952
55.0	9070	9278	9090	9025	9040	8948	9034	8942	9031	8983
57.5	8205	8240	8280	8215	8308	8194	8253	8184	8289	8184
60.0	7336	7362	7503	7439	7502	7399	7470	7361	7465	7360
62.5	6499	6495	6607	6574	6522	6475	6521	6447	6458	6499
65.0	5637	5624	5666	5708	5650	5661	5658	5620	5568	5625
67.5	4699	4791	4753	4826	4754	4693	4688	4655	4664	4690
70.0	3799	3897	3906	3864	3861	3892	3856	3835	3746	3753
72.5	2950	3007	3073	3018	3016	3023	2968	2968	2932	2913
75.0	2194	2181	2207	2151	2101	2141	2162	2129	2104	2118
77.5	1551	1490	1442	1372	1266	1326	1448	1409	1398	1413

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]

80.0	965.7	964.2	844.2	730.5	633.9	616.3	845.3	816.6	823.8	821.5
82.5	419.6	476.8	444.8	330.5	277.9	217.4	401.1	359.3	375.7	382.1
85.0	0	93.70	122.6	131.5	92.16	75.07	76.56	104.7	106.2	131.4
87.5	0	0	0	0	28.53	34.99	19.10	20.44	12.44	0
90.0	0	0	0	0	0	0	12.53	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	17502	17502	17502	17502	17502	17502	17502	17502	17502	17502
2.5	17487	17482	17478	17473	17469	17465	17461	17457	17454	17451
5.0	17450	17441	17434	17427	17421	17414	17409	17404	17400	17396
7.5	17387	17376	17368	17360	17354	17348	17344	17341	17338	17335
10.0	17290	17282	17275	17272	17268	17266	17265	17265	17265	17267
12.5	17153	17146	17144	17148	17155	17164	17173	17179	17185	17191
15.0	16996	16991	16994	17003	17016	17035	17057	17079	17096	17110
17.5	16812	16815	16827	16842	16865	16893	16925	16961	16974	16947
20.0	16594	16608	16631	16663	16701	16740	16780	16808	16871	16871
22.5	16345	16369	16407	16458	16516	16474	16436	16409	16393	16385
25.0	16066	16107	16162	16228	16178	16142	16118	16102	16095	16094
27.5	15747	15805	15887	15858	15814	15791	15783	15784	15790	15800
30.0	15407	15484	15499	15449	15428	15423	15433	15454	15479	15504
32.5	15039	15134	15059	15022	15015	15036	15071	15112	15157	15202
35.0	14641	14651	14593	14574	14588	14630	14693	14761	14672	14586
37.5	14213	14136	14103	14105	14144	14210	14244	14132	14038	13963
40.0	13511	13514	13562	13617	13682	13702	13569	13473	13395	13334
42.5	12654	12720	12858	13078	13146	12999	12889	12808	12744	12706
45.0	11991	11989	12100	12353	12360	12273	12201	12136	12094	12076
47.5	11355	11365	11457	11425	11482	11465	11501	11466	11441	11438
50.0	10693	10732	10786	10822	10583	10623	10783	10793	10723	10625
52.5	9933	10070	9950	9831	9771	9793	9978	9953	9878	9794
55.0	9058	9225	9046	9029	9006	8981	8981	9052	9017	8971
57.5	8240	8176	8166	8136	8221	8083	8062	8158	8120	8149
60.0	7448	7277	7244	7209	7297	7187	7192	7257	7223	7328
62.5	6500	6378	6393	6295	6359	6303	6301	6358	6328	6502
65.0	5527	5500	5476	5402	5392	5414	5395	5480	5430	5563
67.5	4617	4648	4538	4517	4476	4541	4503	4592	4538	4626
70.0	3776	3723	3658	3636	3631	3707	3652	3721	3653	3690
72.5	2917	2844	2795	2803	2852	2889	2832	2852	2773	2763
75.0	2094	2029	2037	2089	2108	2089	2022	1987	1896	1844
77.5	1378	1374	1420	1421	1379	1306	1220	1129	1063	1011
80.0	821.9	860.8	846.6	783.7	667.9	609.4	546.3	462.1	365.8	271.9
82.5	425.5	396.5	315.2	269.0	186.8	81.83	0	0	0	0
85.0	92.40	69.75	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	17502	17502	17502	17502	17502	17502	17502	17502	17502	17502
2.5	17448	17446	17444	17442	17441	17441	17441	17441	17442	17444
5.0	17392	17389	17385	17382	17380	17379	17379	17379	17380	17382
7.5	17332	17330	17326	17322	17319	17318	17316	17315	17315	17317
10.0	17267	17266	17265	17262	17259	17256	17251	17249	17246	17244
12.5	17197	17201	17203	17201	17198	17193	17186	17180	17172	17163
15.0	17122	17133	17139	17140	17137	17130	17119	17107	17093	17074
17.5	16923	16905	16891	16879	16871	16867	16870	16877	16891	16903
20.0	16652	16636	16624	16614	16605	16600	16602	16609	16615	16621
22.5	16377	16365	16356	16348	16339	16333	16334	16339	16336	16335
25.0	16097	16093	16088	16082	16073	16066	16066	16066	16053	16045
27.5	15813	15821	15818	15815	15807	15799	15799	15799	15768	15749
30.0	15526	15545	15549	15549	15541	15533	15532	15511	15481	15448
32.5	15119	15058	15003	14966	14947	14949	14984	15018	15071	15141
35.0	14513	14454	14408	14371	14353	14352	14385	14413	14458	14515
37.5	13908	13850	13812	13775	13759	13755	13784	13809	13839	13886
40.0	13298	13245	13215	13179	13165	13159	13179	13204	13215	13249
42.5	12681	12641	12617	12583	12571	12563	12573	12598	12592	12609
45.0	12058	12035	12019	11987	11977	11968	11966	11985	11971	11966
47.5	11375	11307	11248	11191	11171	11173	11193	11243	11288	11321
50.0	10554	10497	10438	10387	10365	10368	10386	10414	10458	10509
52.5	9738	9686	9626	9582	9559	9563	9580	9588	9622	9670
55.0	8919	8870	8817	8778	8753	8755	8770	8769	8785	8833
57.5	8092	8052	8011	7974	7946	7945	7955	7957	7950	7999
60.0	7266	7233	7208	7169	7140	7133	7138	7149	7122	7168
62.5	6404	6351	6316	6264	6232	6230	6240	6268	6273	6335
65.0	5482	5436	5404	5354	5323	5323	5332	5357	5372	5410
67.5	4562	4522	4488	4443	4414	4418	4428	4449	4463	4491
70.0	3644	3609	3573	3533	3506	3513	3526	3546	3559	3572

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-12

V(β) Range:-75 - 75DEG

V(β) 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	2728	2695	2658	2622	2597	2609	2625	2644	2658	2667
75.0	1812	1779	1743	1711	1689	1706	1724	1742	1758	1772
77.5	977.2	933.7	893.2	861.1	844.3	858.5	884.5	914.4	943.8	968.7
80.0	186.9	109.9	50.19	12.65	0	12.61	49.75	107.6	180.2	260.5
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	17502	17502	17502	17502	17502	17502	17502	17502	17502	17502
2.5	17445	17447	17450	17453	17456	17460	17464	17469	17474	17479
5.0	17385	17389	17393	17398	17403	17409	17416	17424	17432	17442
7.5	17318	17320	17322	17326	17330	17335	17341	17349	17359	17370
10.0	17241	17238	17235	17232	17229	17229	17230	17234	17242	17253
12.5	17153	17140	17128	17114	17104	17097	17093	17094	17100	17111
15.0	17052	17028	17005	16982	16963	16947	16934	16928	16929	16935
17.5	16921	16908	16871	16837	16802	16772	16746	16729	16722	16727
20.0	16635	16654	16681	16673	16617	16571	16534	16505	16492	16492
22.5	16341	16350	16365	16386	16418	16353	16303	16262	16234	16222
25.0	16039	16034	16032	16045	16075	16120	16043	15980	15935	15912
27.5	15727	15704	15691	15691	15704	15732	15755	15672	15611	15574
30.0	15407	15368	15338	15316	15306	15321	15363	15339	15256	15205
32.5	15080	15023	14969	14920	14892	14887	14911	14971	14872	14806
35.0	14589	14669	14583	14512	14459	14428	14435	14480	14465	14381
37.5	13945	14028	14133	14088	14004	13954	13939	13959	14018	13878
40.0	13297	13356	13448	13567	13541	13465	13388	13306	13255	13045
42.5	12641	12683	12754	12856	13005	12916	12649	12479	12406	12380
45.0	11977	12005	12055	12114	12201	12158	11889	11774	11772	11838
47.5	11308	11316	11351	11287	11302	11227	11266	11162	11136	11205
50.0	10578	10631	10605	10435	10383	10430	10599	10519	10459	10486
52.5	9725	9793	9772	9599	9575	9642	9729	9863	9674	9674
55.0	8852	8894	8775	8790	8801	8840	8833	8980	8804	8695
57.5	7952	7985	7871	7894	8022	7874	7951	7938	8008	7922
60.0	7047	7068	7001	7002	7116	6980	7008	7046	7224	7106
62.5	6147	6172	6099	6106	6126	6082	6165	6130	6266	6221
65.0	5265	5313	5191	5217	5144	5197	5242	5254	5279	5403
67.5	4393	4453	4328	4352	4281	4305	4309	4407	4375	4426
70.0	3528	3591	3512	3541	3453	3419	3439	3483	3547	3529
72.5	2668	2733	2711	2737	2703	2611	2592	2628	2659	2667
75.0	1811	1879	1914	1952	1984	1948	1872	1859	1902	1912
77.5	1003	1037	1126	1207	1281	1312	1299	1224	1210	1230
80.0	345.0	424.7	496.9	551.7	603.5	698.0	756.0	750.4	690.1	691.3
82.5	0	0	0	74.05	167.2	229.6	262.7	337.3	353.5	311.5
85.0	0	0	0	0	0	0	0	57.12	76.47	112.7
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	17502	17502								
2.5	17484	17489								
5.0	17452	17463								
7.5	17383	17398								
10.0	17269	17288								
12.5	17127	17149								
15.0	16951	16976								
17.5	16741	16768								
20.0	16504	16533								
22.5	16229	16256								
25.0	15912	15939								
27.5	15567	15591								
30.0	15190	15214								
32.5	14787	14811								
35.0	14347	14369								
37.5	13762	13744								
40.0	12906	12887								
42.5	12292	12289								
45.0	11728	11708								
47.5	11104	11070								
50.0	10455	10405								
52.5	9549	9444								
55.0	8729	8650								
57.5	8013	7903								
60.0	7142	7042								
62.5	6174	6142								

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	5302	5299
67.5	4382	4364
70.0	3528	3524
72.5	2719	2715
75.0	1912	1896
77.5	1213	1215
80.0	679.2	660.2
82.5	291.3	285.2
85.0	78.27	77.65
87.5	16.22	20.35
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: