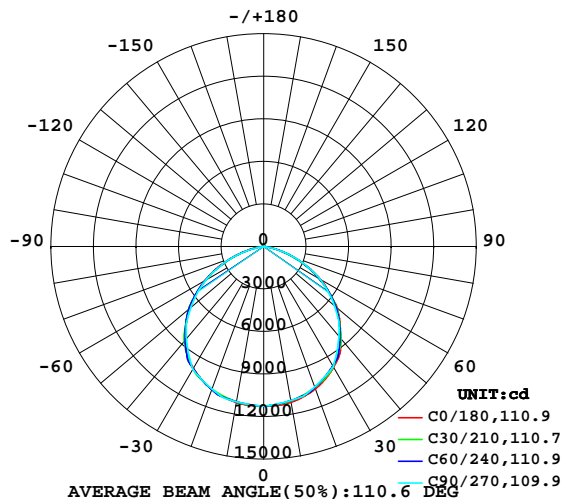


LUMINAIRE PHOTOMETRIC TEST REPORT

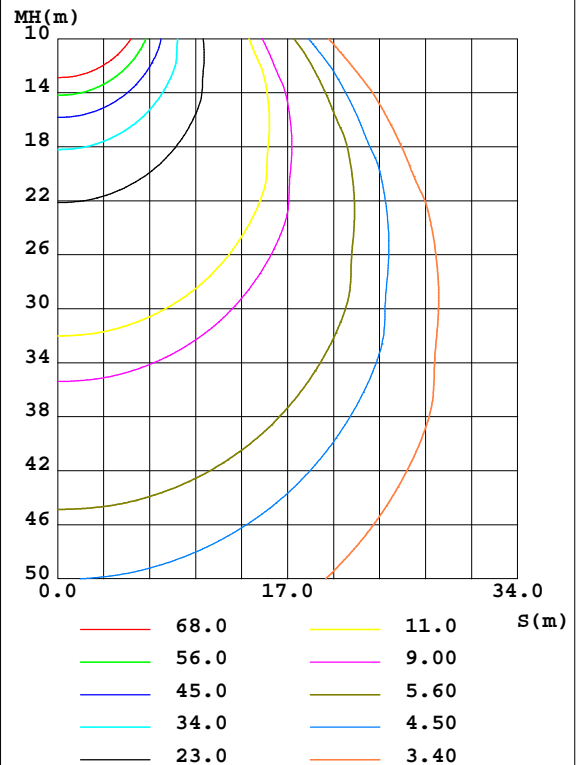
Test:U:120.10V I:1.6433A P:196.96W PF:0.9980 Freq:59.98Hz Lamp Flux:30648.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/110°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.61 lm/W			
MODEL	GHSL-32-U	Imax(cd)	11273	S/MH(C0/180)	1.31
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	30649	η UP,DN(C0-180)	0.0,49.6
NOMINAL FLUX(lm)	30648.6	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	1115	1105	1104	1106	1117	1112	1112	1111	0- 10	1066	1066	3.48,3.48
20	1069	1063	1054	1067	1073	1078	1070	1076	10- 20	3087	4153	13.5,13.5
30	985.8	972.7	979.7	979.2	992.3	992.5	1001	988.9	20- 30	4747	8900	29,29
40	836.3	858.6	826.5	867.3	852.6	881.2	848.8	877.2	30- 40	5797	14698	48,48
50	679.4	660.2	652.5	675.3	691.1	684.7	671.8	676.7	40- 50	5919	20617	67.3,67.3
60	460.9	444.9	457.5	458.3	479.3	464.4	470.6	458.3	50- 60	5106	25723	83.9,83.9
70	226.2	229.7	234.2	240.3	246.8	241.9	241.0	237.6	60- 70	3466	29188	95.2,95.2
80	43.67	40.07	0	45.45	54.11	43.24	0	40.56	70- 80	1389	30577	99.8,99.8
90	0.8498	0	0	0	0.8353	0	0	0	80- 90	71.44	30649	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: $\times 10\text{cd}$									UNIT: lm		

Conical surface Flux(90deg): 17696 lm

%lum = 57.7%

%lamp = 57.7%

Conical surface Flux(120deg): 25723 lm

%lum = 83.9%

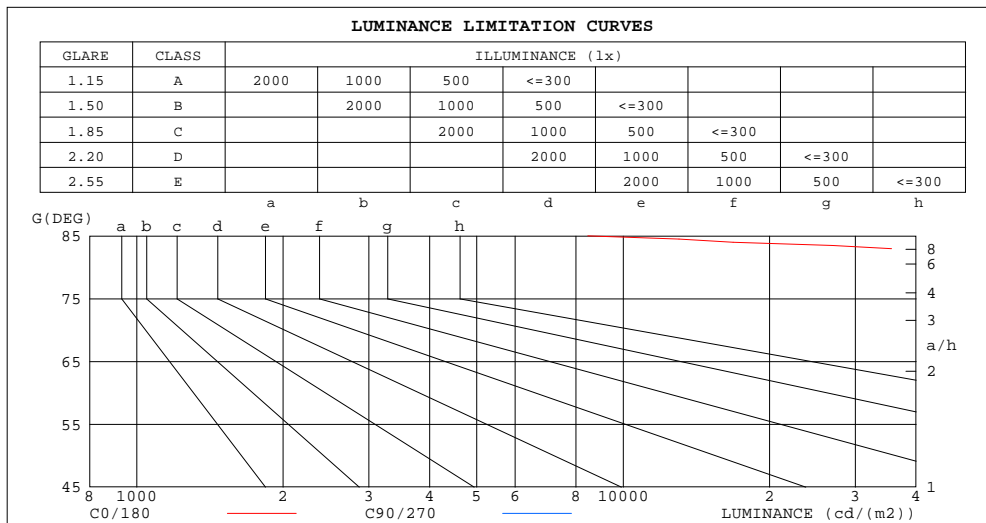
%lamp = 83.9%

$H(\beta)$ 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:

LUMINANCE LIMITATION CURVES

Test:U:120.10V I:1.6433A P:196.96W PF:0.9980 Freq:59.98Hz Lamp Flux:30648.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/110°	DIM.: 280*230mm	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	8462	0
80	104791	0
75	197992	197406
70	275539	285369
65	344451	340997
60	384100	381243
55	410476	403160
50	440411	422946
45	449020	441921

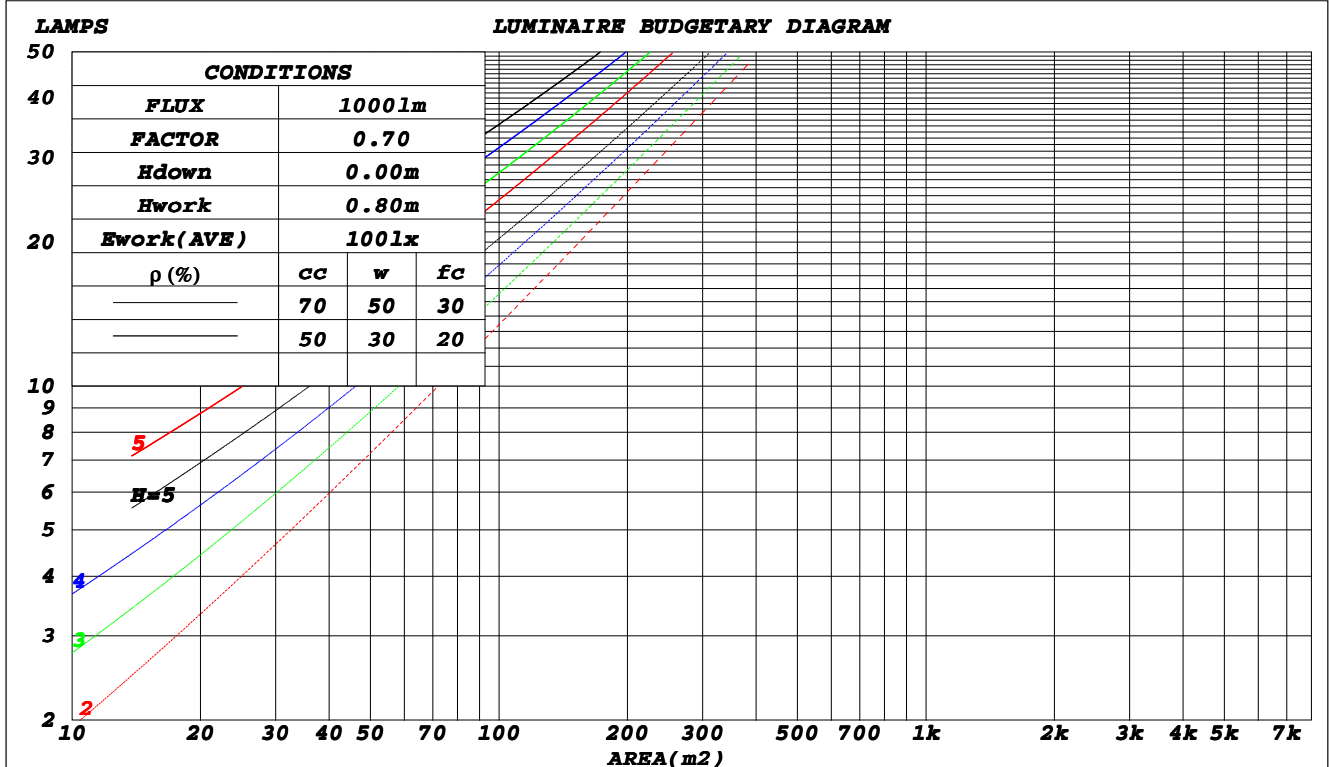
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-12

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:120.10V I:1.6433A P:196.96W PF:0.9980 Freq:59.98Hz Lamp Flux:30648.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/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															



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:120.10V I:1.6433A P:196.96W PF:0.9980 Freq:59.98Hz Lamp Flux:30648.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/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	.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	.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:120.10V I:1.6433A P:196.96W PF:0.9980 Freq:59.98Hz Lamp Flux:30648.6x1 lm										
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:200W/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	23.2	24.5	24.7	22.9	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	24.4	23.5	24.6	24.9	23.2	24.4	23.5	24.6	24.9
8H	23.1	24.3	23.5	24.6	24.8	23.1	24.3	23.5	24.6	24.8
12H	23.1	24.2	23.4	24.5	24.8	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	23.5	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	24.2	25.2	25.5
6H	23.9	24.8	24.3	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	23.8	24.7	24.2	25.0	25.4
12H	23.8	24.6	24.2	24.9	25.3	23.8	24.5	24.2	24.9	25.3
8H 4H	23.9	24.7	24.3	25.1	25.4	23.9	24.8	24.4	25.1	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	23.9	24.5	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	25.3
12H 4H	23.8	24.6	24.2	25.0	25.4	23.9	24.7	24.3	25.1	25.5
6H	24.0	24.6	24.4	25.0	25.4	23.9	24.5	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	25.3
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, 30649 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 11.9$)
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:120.10V I:1.6433A P:196.96W PF:0.9980 Freq:59.98Hz Lamp Flux:30648.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/110°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

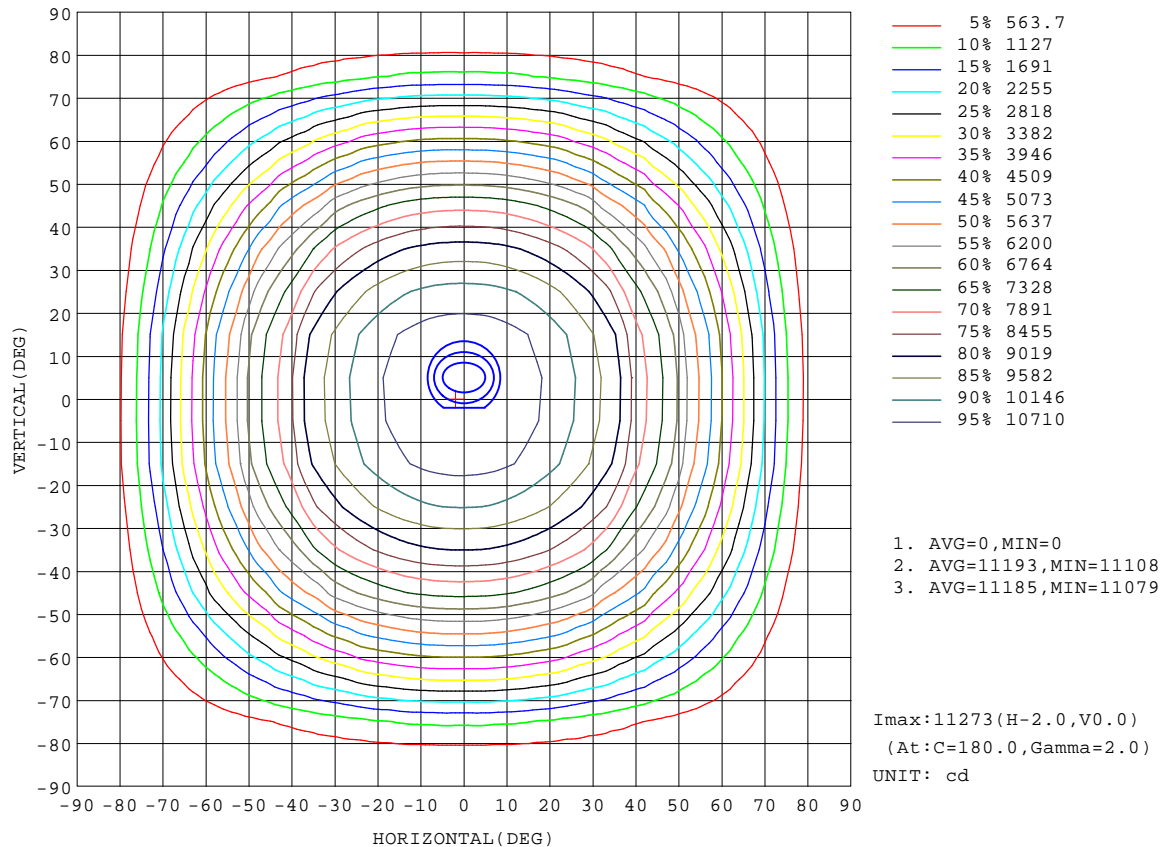
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	58	48	41	57	47	41	34
0.80	70	58	51	68	58	51	67	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:120.10V I:1.6433A P:196.96W PF:0.9980 Freq:59.98Hz Lamp Flux:30648.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/110°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



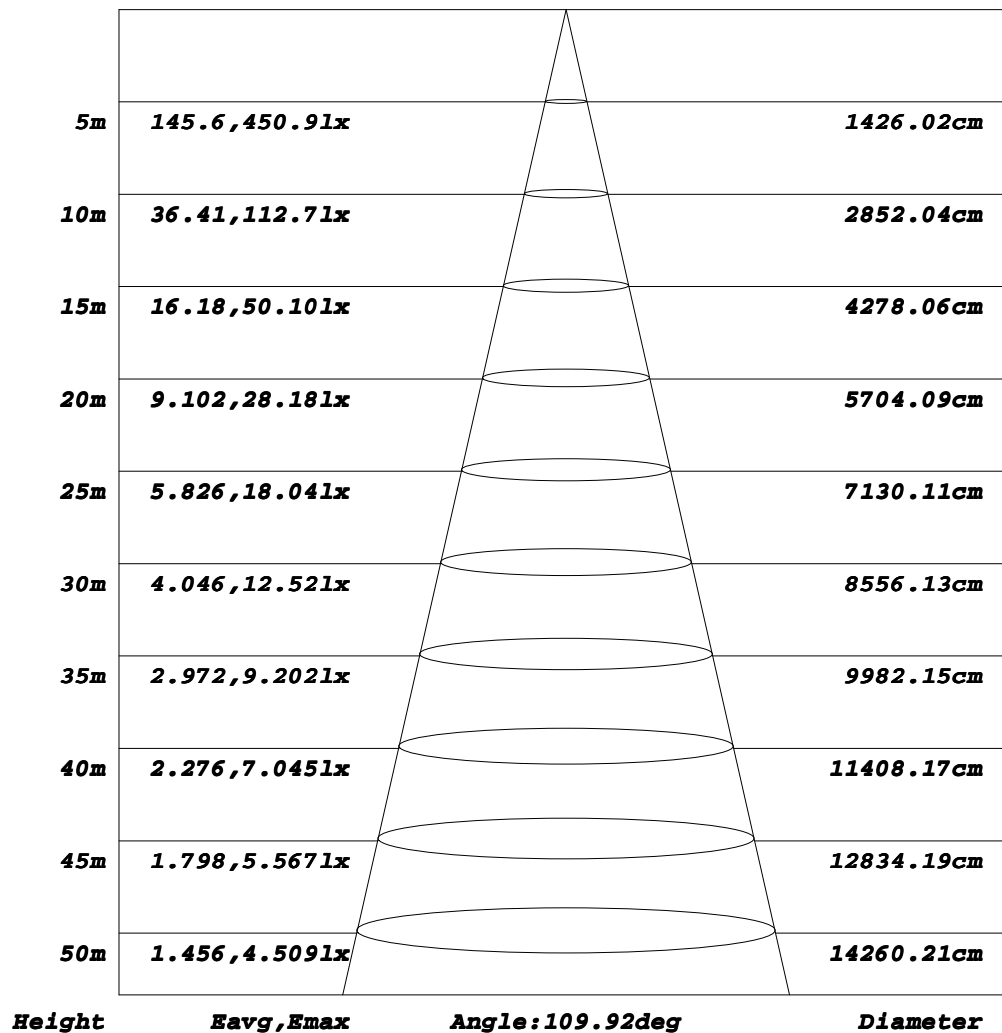
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-12

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:120.10V I:1.6433A P:196.96W PF:0.9980 Freq:59.98Hz Lamp Flux:30648.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/110°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:23330 lm



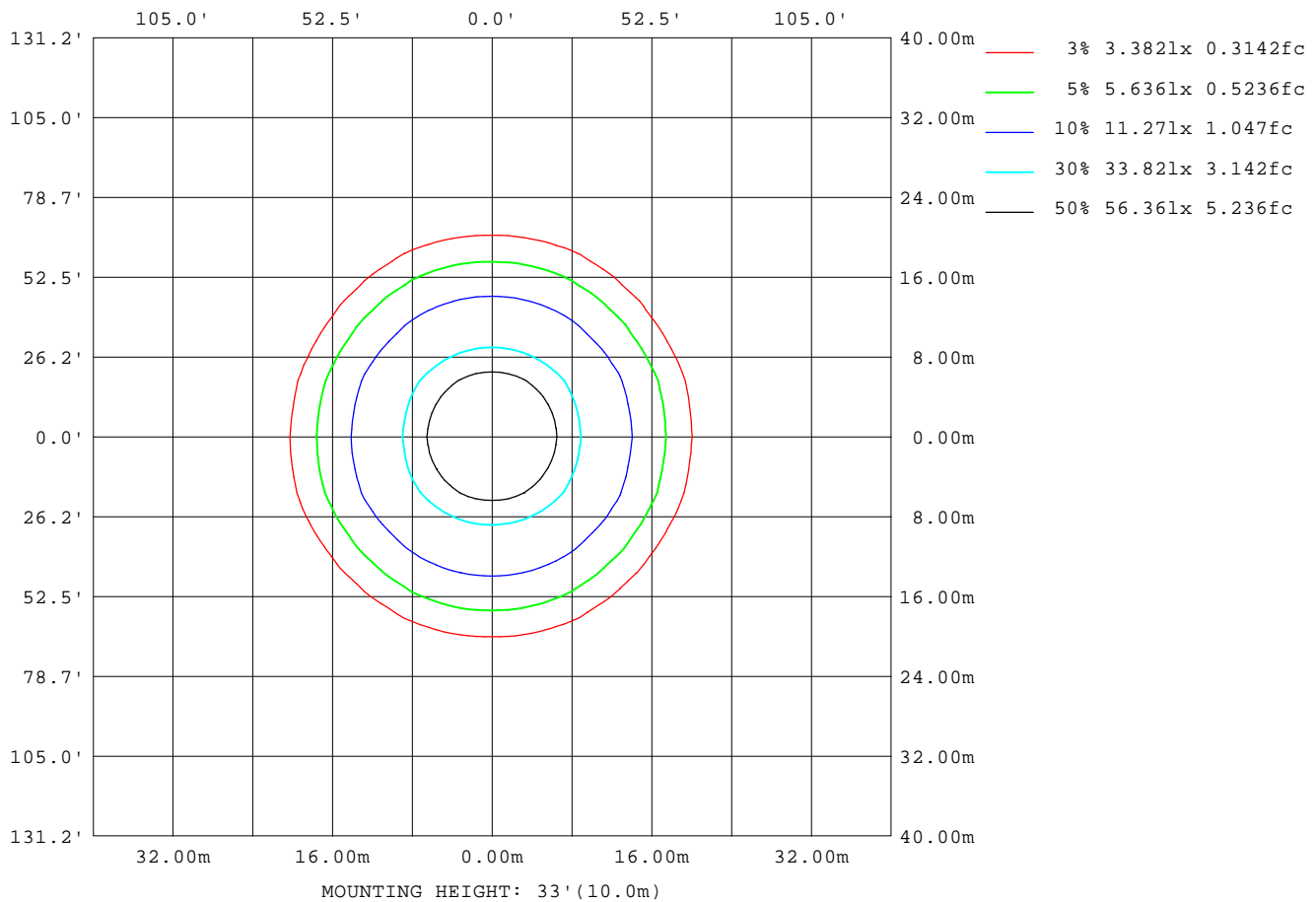
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.10V I:1.6433A P:196.96W PF:0.9980 Freq:59.98Hz Lamp Flux:30648.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/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:120.10V I:1.6433A P:196.96W PF:0.9980 Freq:59.98Hz Lamp Flux:30648.6x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/110°	DIM.: 280*230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

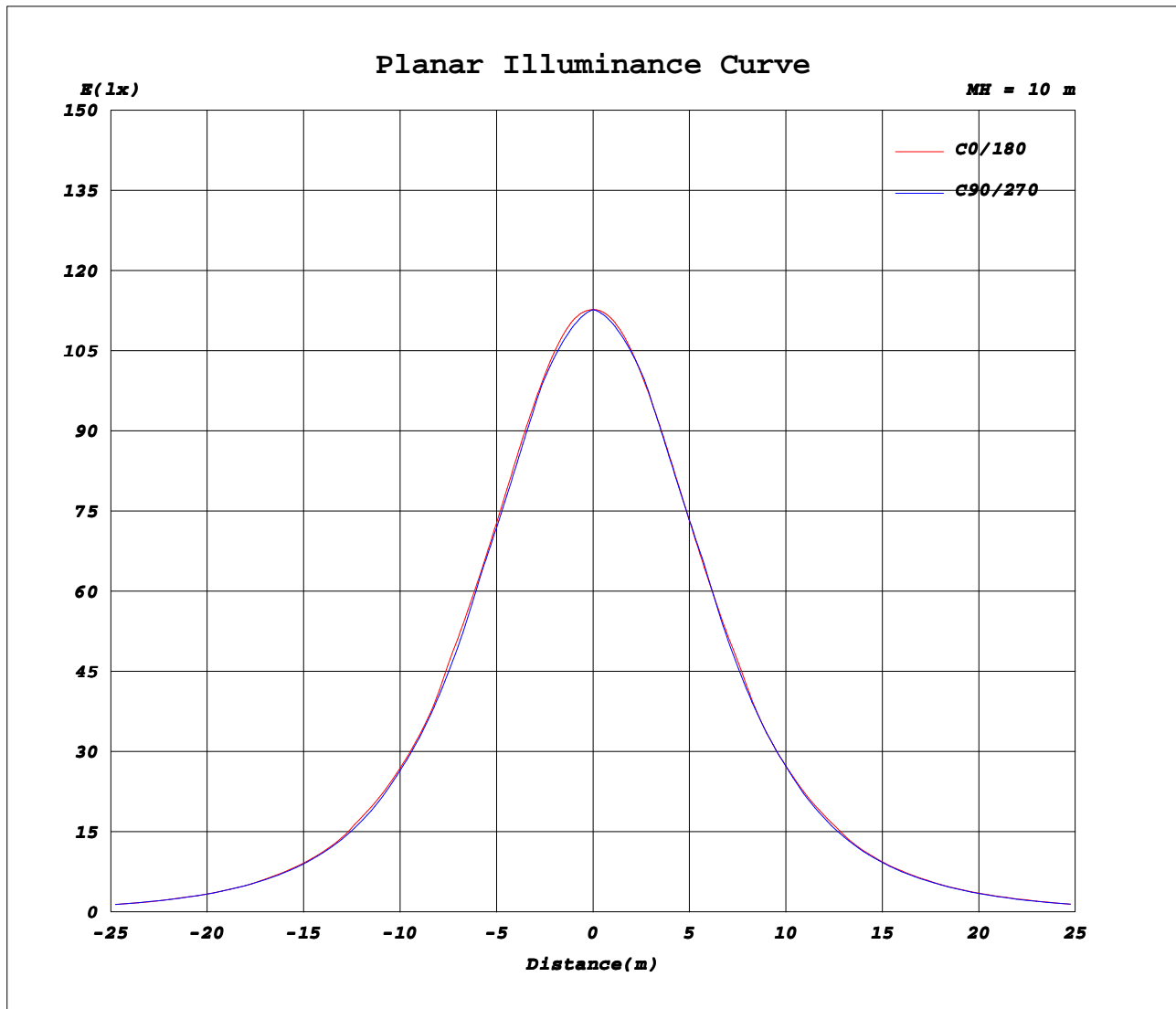
AvgL	cd/m2
L_0~180(65)av	351162
L_0~180(75)av	209760
L_0~180(85)av	10837
L_90~270(65)av	345906
L_90~270(75)av	200302
L_90~270(85)av	0
L_45(65)av	339599
L_45(75)av	218885
L_45(85)av	0

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	11272	11272	11272	11272	11272	11272	11272	11272	11272	11272
2.5	11268	11263	11257	11252	11248	11243	11238	11234	11230	11227
5.0	11258	11247	11236	11226	11216	11207	11199	11191	11184	11178
7.5	11221	11204	11189	11176	11164	11153	11143	11135	11127	11120
10.0	11155	11133	11114	11097	11083	11071	11062	11055	11050	11047
12.5	11068	11041	11018	10999	10984	10973	10965	10960	10958	10957
15.0	10961	10929	10903	10882	10868	10858	10853	10852	10854	10860
17.5	10833	10796	10767	10745	10731	10724	10724	10729	10739	10751
20.0	10689	10646	10614	10592	10580	10576	10581	10593	10611	10633
22.5	10512	10466	10434	10415	10409	10413	10425	10445	10472	10441
25.0	10312	10262	10229	10213	10212	10225	10250	10285	10244	10213
27.5	10094	10040	10007	9993	9999	10022	10059	10029	9998	9977
30.0	9858	9799	9765	9756	9770	9804	9801	9760	9735	9727
32.5	9607	9542	9505	9499	9520	9564	9510	9477	9463	9465
35.0	9329	9258	9224	9225	9256	9248	9202	9182	9181	9196
37.5	8918	8840	8835	8894	8966	8911	8881	8874	8888	8919
40.0	8363	8293	8285	8352	8466	8488	8524	8556	8587	8586
42.5	7990	7916	7897	7932	7927	7953	8046	8198	8241	8137
45.0	7620	7544	7536	7586	7524	7503	7558	7708	7728	7668
47.5	7209	7133	7135	7178	7118	7114	7157	7120	7158	7145
50.0	6794	6703	6719	6718	6684	6702	6734	6616	6577	6602
52.5	6162	6076	6126	6190	6180	6281	6185	6120	6066	6070
55.0	5651	5576	5608	5567	5620	5720	5616	5615	5576	5559
57.5	5158	5090	5148	5074	5110	5058	5058	5002	5086	5003
60.0	4609	4530	4583	4551	4610	4491	4457	4432	4524	4449
62.5	4018	3959	3961	3982	4004	3905	3922	3866	3911	3891
65.0	3494	3418	3409	3463	3375	3352	3344	3312	3284	3338
67.5	2849	2816	2813	2832	2802	2820	2752	2770	2743	2795
70.0	2262	2264	2256	2267	2279	2238	2210	2202	2220	2297
72.5	1738	1749	1748	1713	1714	1692	1674	1691	1751	1796
75.0	1230	1205	1227	1239	1237	1209	1219	1273	1300	1300
77.5	791.0	777.5	781.5	796.4	790.0	807.1	856.0	869.4	863.8	826.5
80.0	436.7	413.1	429.6	444.4	455.6	497.6	511.3	484.3	437.6	400.7
82.5	152.3	131.5	186.3	207.3	243.3	233.8	194.7	169.4	122.4	53.99
85.0	17.70	33.50	55.57	87.31	64.99	42.66	0	0	0	0
87.5	8.381	15.88	15.89	0	0	0	0	0	0	0
90.0	8.498	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	11272	11272	11272	11272	11272	11272	11272	11272	11272	11272
2.5	11224	11221	11218	11216	11215	11214	11213	11213	11213	11213
5.0	11172	11167	11163	11159	11156	11155	11153	11153	11154	11155
7.5	11114	11108	11103	11099	11096	11094	11093	11093	11094	11096
10.0	11044	11041	11038	11035	11034	11033	11033	11034	11035	11037
12.5	10959	10962	10965	10967	10968	10969	10971	10973	10976	10978
15.0	10866	10874	10883	10892	10899	10904	10908	10913	10917	10918
17.5	10766	10782	10783	10766	10753	10741	10733	10729	10730	10734
20.0	10629	10605	10586	10571	10561	10553	10545	10542	10544	10547
22.5	10415	10396	10383	10372	10367	10364	10358	10355	10357	10360
25.0	10192	10181	10174	10171	10170	10173	10171	10168	10170	10173
27.5	9963	9959	9961	9966	9971	9980	9983	9981	9984	9985
30.0	9727	9732	9744	9758	9771	9785	9795	9795	9797	9798
32.5	9481	9501	9522	9547	9499	9463	9440	9418	9414	9423
35.0	9224	9263	9203	9147	9106	9075	9055	9035	9031	9040
37.5	8930	8854	8794	8745	8711	8686	8669	8651	8648	8658
40.0	8496	8429	8379	8339	8313	8297	8281	8267	8265	8274
42.5	8059	8002	7961	7932	7913	7907	7894	7883	7883	7891
45.0	7618	7571	7541	7523	7512	7515	7507	7499	7500	7508
47.5	7171	7138	7120	7110	7082	7060	7037	7018	7012	7025
50.0	6701	6703	6665	6613	6581	6562	6548	6533	6525	6538
52.5	6176	6185	6146	6107	6078	6065	6060	6047	6037	6052
55.0	5557	5629	5617	5603	5576	5569	5570	5562	5550	5565
57.5	4996	5069	5070	5099	5074	5073	5079	5076	5062	5079
60.0	4462	4508	4512	4594	4572	4579	4588	4590	4575	4592
62.5	3910	3954	3953	4086	4047	4041	4037	4035	4017	4037
65.0	3338	3420	3400	3512	3485	3481	3475	3476	3459	3480
67.5	2791	2885	2859	2938	2926	2923	2915	2918	2901	2922
70.0	2282	2353	2322	2367	2367	2365	2356	2360	2342	2364
72.5	1783	1819	1786	1802	1810	1808	1798	1802	1784	1806
75.0	1285	1283	1251	1243	1252	1252	1240	1243	1226	1248
77.5	791.7	753.0	731.9	706.8	691.3	668.0	639.9	626.8	613.1	629.1
80.0	361.7	309.9	251.8	190.2	132.1	78.69	35.98	9.210	0	9.244
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 - 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]

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	11272	11272	11272	11272	11272	11272	11272	11272	11272	11272
2.5	11214	11216	11217	11220	11222	11225	11228	11231	11235	11239
5.0	11156	11158	11161	11165	11168	11173	11178	11183	11190	11196
7.5	11098	11100	11103	11107	11110	11115	11120	11126	11132	11140
10.0	11039	11040	11042	11044	11047	11049	11053	11059	11065	11072
12.5	10979	10979	10978	10978	10977	10978	10979	10979	10980	10982
15.0	10918	10915	10912	10907	10903	10898	10891	10884	10879	10877
17.5	10742	10753	10767	10786	10809	10808	10793	10780	10771	10765
20.0	10554	10565	10578	10595	10613	10634	10662	10671	10655	10641
22.5	10366	10375	10387	10399	10411	10430	10456	10489	10527	10501
25.0	10178	10186	10194	10198	10206	10222	10242	10268	10303	10346
27.5	9990	9996	9997	9995	9999	10006	10018	10035	10062	10101
30.0	9801	9804	9798	9791	9788	9784	9784	9792	9809	9838
32.5	9447	9486	9526	9585	9571	9555	9544	9538	9542	9561
35.0	9064	9097	9137	9192	9254	9320	9296	9274	9265	9272
37.5	8681	8709	8747	8793	8848	8920	9006	9002	8976	8969
40.0	8296	8320	8355	8390	8438	8500	8577	8673	8677	8654
42.5	7911	7931	7961	7986	8024	8076	8143	8226	8335	8329
45.0	7526	7543	7564	7579	7607	7650	7702	7776	7848	7924
47.5	7054	7092	7134	7172	7187	7222	7258	7291	7320	7303
50.0	6566	6598	6631	6675	6735	6788	6815	6753	6760	6768
52.5	6078	6103	6127	6165	6222	6266	6350	6212	6222	6271
55.0	5590	5606	5623	5656	5704	5710	5740	5696	5736	5774
57.5	5101	5107	5120	5148	5169	5160	5138	5144	5245	5252
60.0	4613	4609	4616	4642	4612	4609	4582	4583	4667	4653
62.5	4062	4070	4089	4135	4048	4055	4056	4028	4101	4057
65.0	3500	3511	3524	3568	3480	3509	3508	3476	3517	3496
67.5	2938	2953	2961	2999	2929	2966	2934	2921	2917	2944
70.0	2377	2394	2399	2425	2386	2421	2381	2403	2365	2395
72.5	1816	1835	1838	1853	1844	1883	1863	1901	1877	1858
75.0	1255	1277	1279	1282	1303	1349	1358	1406	1405	1394
77.5	648.0	682.6	710.6	730.4	769.4	817.2	861.0	914.6	946.1	960.7
80.0	36.43	80.41	136.1	196.3	263.8	334.2	399.7	454.5	494.9	553.8
82.5	0	0	0	0	0	0	0	60.83	140.8	203.3
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	11272	11272	11272	11272	11272	11272	11272	11272	11272	11272
2.5	11243	11247	11252	11257	11262	11267	11272	11269	11266	11262
5.0	11203	11211	11220	11229	11239	11249	11259	11252	11246	11240
7.5	11150	11160	11172	11184	11198	11213	11229	11219	11209	11200
10.0	11080	11091	11102	11115	11132	11150	11171	11157	11145	11136
12.5	10986	10994	11005	11020	11038	11061	11087	11069	11056	11045
15.0	10880	10886	10897	10913	10934	10959	10990	10969	10953	10943
17.5	10763	10766	10773	10788	10808	10836	10871	10847	10830	10821
20.0	10631	10626	10628	10639	10659	10689	10729	10702	10684	10676
22.5	10480	10467	10463	10470	10489	10520	10564	10534	10516	10510
25.0	10314	10293	10280	10279	10292	10321	10367	10335	10319	10321
27.5	10134	10097	10073	10066	10076	10105	10154	10119	10105	10108
30.0	9884	9889	9855	9838	9842	9871	9923	9885	9871	9881
32.5	9601	9663	9617	9589	9588	9614	9669	9627	9616	9633
35.0	9301	9353	9360	9320	9312	9338	9397	9350	9339	9362
37.5	8984	9026	9088	9032	8997	9002	9064	9011	9019	9071
40.0	8653	8654	8690	8589	8490	8470	8526	8477	8504	8611
42.5	8244	8168	8130	8093	8035	8037	8096	8045	8053	8120
45.0	7742	7673	7678	7737	7673	7669	7727	7675	7687	7762
47.5	7309	7267	7278	7349	7301	7281	7333	7282	7307	7365
50.0	6884	6873	6858	6913	6894	6859	6911	6854	6888	6912
52.5	6374	6453	6411	6413	6413	6321	6371	6305	6385	6395
55.0	5807	5962	5846	5813	5817	5750	5799	5739	5797	5779
57.5	5247	5289	5321	5279	5341	5261	5289	5247	5318	5247
60.0	4689	4721	4816	4783	4832	4761	4793	4733	4793	4730
62.5	4146	4161	4247	4231	4197	4172	4188	4140	4149	4172
65.0	3597	3615	3644	3675	3644	3646	3630	3609	3579	3604
67.5	2989	3077	3057	3114	3064	3016	3017	2981	2999	3018
70.0	2416	2497	2519	2488	2488	2505	2468	2463	2404	2400
72.5	1864	1909	1980	1961	1951	1945	1901	1898	1875	1864
75.0	1365	1369	1419	1439	1416	1407	1376	1360	1343	1353
77.5	959.9	926.6	948.7	984.4	961.7	942.3	911.4	896.7	885.5	897.3

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	584.6	596.2	574.3	577.1	582.6	546.3	541.1	516.4	518.8	520.7
82.5	237.1	289.9	314.8	294.4	276.2	209.8	208.4	193.5	238.7	249.1
85.0	0	55.63	86.96	116.0	88.37	55.13	27.63	41.67	65.92	96.97
87.5	0	0	0	0	20.85	17.28	9.202	11.33	8.765	0
90.0	0	0	0	0	0	0	8.353	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	11272	11272	11272	11272	11272	11272	11272	11272	11272	11272
2.5	11259	11256	11254	11251	11248	11246	11244	11242	11240	11239
5.0	11234	11229	11224	11220	11216	11213	11210	11207	11205	11203
7.5	11193	11186	11180	11176	11172	11169	11167	11166	11165	11163
10.0	11129	11125	11121	11119	11117	11116	11115	11116	11118	11120
12.5	11039	11036	11036	11039	11044	11051	11056	11061	11065	11071
15.0	10937	10936	10939	10945	10955	10968	10983	10997	11008	11018
17.5	10818	10821	10830	10843	10859	10878	10900	10923	10930	10913
20.0	10677	10687	10704	10726	10752	10781	10781	10760	10745	10734
22.5	10516	10533	10559	10593	10633	10606	10583	10566	10555	10550
25.0	10336	10364	10400	10445	10414	10391	10376	10367	10361	10361
27.5	10130	10170	10224	10204	10177	10163	10159	10160	10164	10170
30.0	9912	9964	9973	9941	9927	9925	9931	9946	9962	9977
32.5	9676	9739	9690	9665	9661	9674	9697	9724	9754	9781
35.0	9418	9427	9389	9376	9385	9412	9452	9496	9441	9387
37.5	9141	9094	9070	9072	9097	9141	9162	9092	9033	8988
40.0	8730	8710	8731	8755	8798	8812	8729	8667	8620	8584
42.5	8162	8211	8300	8421	8452	8360	8291	8239	8204	8179
45.0	7713	7716	7794	7989	7952	7902	7845	7811	7783	7772
47.5	7303	7307	7365	7359	7408	7397	7398	7378	7361	7363
50.0	6874	6900	6931	6829	6830	6847	6950	6941	6904	6857
52.5	6402	6471	6402	6321	6289	6306	6463	6409	6382	6336
55.0	5823	5953	5812	5811	5797	5785	5829	5848	5852	5819
57.5	5290	5255	5245	5251	5292	5214	5223	5289	5303	5303
60.0	4771	4672	4656	4631	4702	4644	4670	4724	4735	4791
62.5	4167	4080	4095	4044	4122	4083	4126	4157	4164	4277
65.0	3536	3500	3518	3472	3497	3515	3547	3601	3584	3688
67.5	2938	2943	2905	2914	2896	2950	2961	3037	3017	3095
70.0	2393	2372	2346	2354	2357	2419	2410	2477	2455	2499
72.5	1845	1811	1796	1811	1863	1906	1888	1923	1892	1906
75.0	1331	1290	1311	1360	1385	1401	1370	1369	1330	1317
77.5	871.7	880.1	920.9	938.1	922.8	892.7	853.6	815.6	781.2	749.1
80.0	519.0	553.7	555.2	530.4	473.4	432.4	391.4	334.1	268.4	201.3
82.5	272.9	256.0	214.4	189.4	134.3	58.19	0	0	0	0
85.0	69.12	46.79	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	11272	11272	11272	11272	11272	11272	11272	11272	11272	11272
2.5	11237	11236	11235	11234	11234	11234	11234	11234	11235	11235
5.0	11201	11199	11198	11196	11196	11195	11195	11195	11196	11198
7.5	11162	11161	11160	11159	11158	11156	11156	11156	11157	11158
10.0	11120	11121	11121	11121	11119	11118	11116	11115	11115	11115
12.5	11076	11079	11082	11082	11081	11079	11076	11074	11070	11066
15.0	11028	11036	11041	11044	11043	11039	11035	11030	11023	11011
17.5	10898	10888	10881	10875	10871	10870	10875	10883	10893	10902
20.0	10722	10714	10708	10703	10700	10699	10703	10710	10715	10720
22.5	10545	10538	10535	10529	10527	10529	10530	10535	10534	10536
25.0	10364	10362	10361	10360	10357	10355	10358	10358	10352	10348
27.5	10180	10185	10186	10187	10186	10183	10184	10179	10168	10156
30.0	9993	10007	10012	10015	10015	10012	10011	9999	9982	9961
32.5	9730	9694	9661	9641	9633	9637	9659	9685	9718	9763
35.0	9341	9307	9279	9259	9251	9255	9275	9297	9325	9362
37.5	8951	8919	8897	8876	8869	8872	8890	8909	8929	8959
40.0	8559	8532	8513	8494	8488	8489	8504	8520	8531	8553
42.5	8165	8145	8130	8111	8106	8107	8118	8129	8131	8145
45.0	7768	7757	7746	7729	7724	7724	7732	7736	7729	7734
47.5	7335	7298	7263	7232	7221	7226	7247	7270	7294	7318
50.0	6820	6790	6760	6730	6718	6723	6742	6756	6777	6809
52.5	6306	6282	6257	6228	6215	6220	6236	6243	6259	6288
55.0	5792	5772	5755	5726	5712	5716	5728	5731	5742	5770
57.5	5279	5263	5252	5224	5209	5212	5219	5221	5226	5254
60.0	4767	4754	4750	4722	4706	4708	4710	4711	4711	4735
62.5	4226	4201	4183	4152	4132	4138	4145	4158	4171	4213
65.0	3643	3624	3605	3579	3558	3565	3570	3583	3594	3618
67.5	3060	3046	3026	3005	2984	2992	2996	3009	3016	3026
70.0	2479	2469	2449	2432	2410	2419	2423	2435	2439	2438

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	1900	1892	1871	1859	1836	1846	1851	1861	1863	1857
75.0	1320	1314	1294	1285	1262	1272	1280	1287	1286	1283
77.5	732.5	702.3	668.0	647.9	631.1	641.4	660.7	686.3	708.8	730.4
80.0	140.2	82.74	37.56	9.522	0	9.424	37.15	80.80	135.4	196.6
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	11272	11272	11272	11272	11272	11272	11272	11272	11272	11272
2.5	11237	11238	11240	11242	11244	11246	11249	11252	11255	11258
5.0	11200	11202	11205	11208	11212	11216	11221	11226	11231	11237
7.5	11159	11161	11164	11166	11169	11173	11176	11181	11187	11193
10.0	11114	11113	11110	11108	11106	11105	11105	11108	11113	11120
12.5	11060	11052	11042	11034	11028	11023	11020	11019	11022	11028
15.0	10997	10981	10967	10952	10939	10927	10919	10914	10913	10917
17.5	10914	10907	10884	10860	10838	10818	10801	10789	10783	10785
20.0	10730	10744	10762	10758	10724	10693	10668	10650	10639	10637
22.5	10541	10547	10560	10576	10598	10557	10523	10495	10475	10465
25.0	10345	10344	10347	10358	10379	10409	10358	10315	10284	10268
27.5	10144	10133	10128	10131	10140	10160	10176	10120	10079	10053
30.0	9938	9918	9902	9889	9885	9897	9925	9908	9854	9820
32.5	9728	9698	9664	9635	9620	9619	9636	9677	9612	9568
35.0	9415	9469	9417	9375	9343	9326	9334	9365	9356	9299
37.5	9004	9058	9129	9103	9054	9026	9018	9032	9071	8971
40.0	8587	8631	8692	8772	8759	8713	8662	8606	8569	8429
42.5	8165	8202	8249	8319	8418	8356	8181	8072	8029	8012
45.0	7743	7768	7805	7844	7899	7861	7697	7625	7628	7670
47.5	7321	7330	7354	7313	7319	7273	7301	7238	7222	7262
50.0	6860	6891	6876	6767	6732	6765	6879	6827	6788	6801
52.5	6326	6365	6337	6234	6219	6267	6318	6410	6277	6271
55.0	5780	5798	5711	5718	5724	5750	5747	5830	5723	5650
57.5	5216	5227	5143	5153	5230	5123	5181	5172	5213	5158
60.0	4650	4653	4597	4583	4653	4561	4571	4595	4710	4634
62.5	4086	4088	4024	4012	4011	3982	4033	4000	4093	4062
65.0	3521	3545	3448	3449	3384	3414	3437	3435	3450	3538
67.5	2958	2989	2894	2896	2837	2853	2832	2886	2864	2921
70.0	2398	2430	2366	2376	2303	2273	2276	2290	2326	2317
72.5	1842	1873	1841	1849	1814	1753	1728	1739	1755	1759
75.0	1289	1318	1321	1331	1342	1319	1264	1247	1269	1272
77.5	751.3	770.6	809.8	844.5	886.1	896.6	884.0	834.7	816.7	823.8
80.0	258.5	317.0	368.4	405.6	442.6	495.1	524.8	514.8	472.9	464.1
82.5	0	0	0	54.71	123.3	171.2	196.1	240.6	251.7	217.8
85.0	0	0	0	0	0	0	0	43.29	65.15	87.04
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	11272	11272								
2.5	11261	11265								
5.0	11244	11251								
7.5	11201	11210								
10.0	11129	11141								
12.5	11037	11051								
15.0	10926	10941								
17.5	10793	10809								
20.0	10644	10661								
22.5	10468	10483								
25.0	10266	10280								
27.5	10046	10060								
30.0	9808	9820								
32.5	9552	9565								
35.0	9273	9282								
37.5	8886	8865								
40.0	8337	8319								
42.5	7951	7943								
45.0	7592	7572								
47.5	7192	7161								
50.0	6778	6732								
52.5	6183	6106								
55.0	5672	5608								
57.5	5215	5125								
60.0	4648	4565								
62.5	4022	3990								

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	3473	3450
67.5	2863	2847
70.0	2303	2301
72.5	1783	1779
75.0	1258	1229
77.5	804.4	795.9
80.0	454.9	435.5
82.5	200.9	157.2
85.0	55.54	33.24
87.5	9.407	10.38
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: