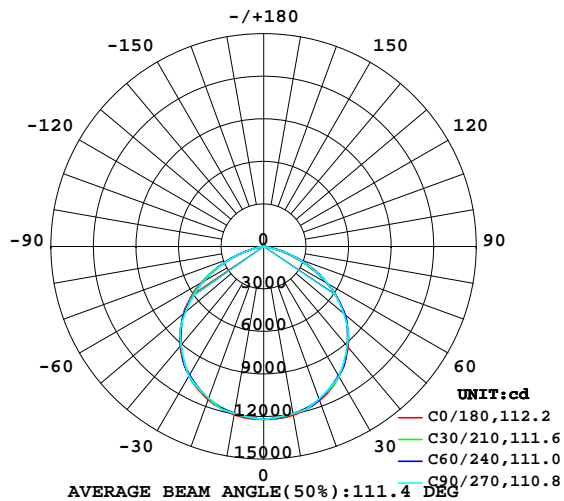


LUMINAIRE PHOTOMETRIC TEST REPORT

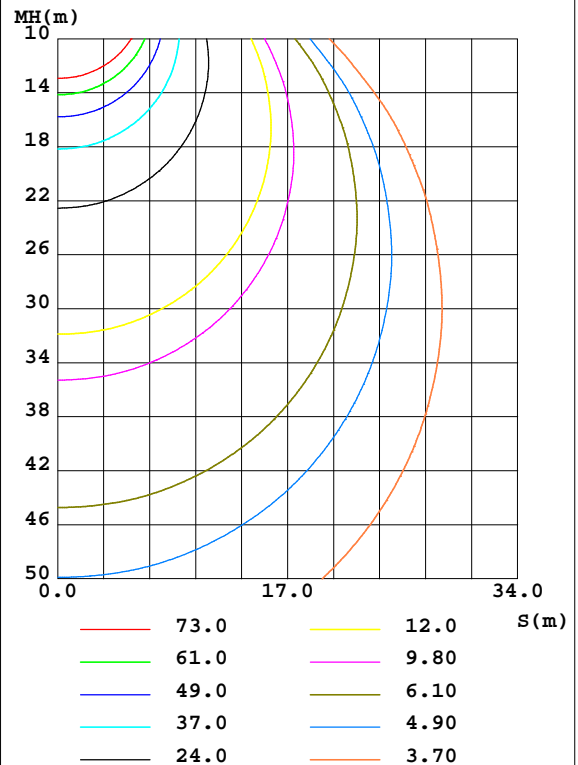
Test:U:120.07V I:1.6382A P:196.31W PF:0.9980 Freq:59.98Hz Lamp Flux:32753.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/5000K	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 166.85 lm/W			
MODEL	GHRL-34-U	Imax(cd)	12200	S/MH(C0/180)	1.28
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	32754	η UP,DN(C0-180)	0.0,50.4
NOMINAL FLUX(lm)	32753.9	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.6
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:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [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	1207	1197	1197	1195	1205	1194	1196	1196	0- 10	1152	1152	3.52,3.52
20	1155	1154	1144	1150	1149	1148	1141	1152	10- 20	3324	4476	13.7,13.7
30	1061	1052	1061	1047	1054	1044	1055	1048	20- 30	5082	9558	29.2,29.2
40	926.0	927.7	916.5	919.0	917.5	915.4	908.0	921.8	30- 40	6182	15740	48.1,48.1
50	745.8	742.9	737.1	732.4	738.9	728.1	720.2	733.0	40- 50	6406	22146	67.6,67.6
60	510.9	517.7	522.6	500.2	505.6	494.1	492.0	497.1	50- 60	5574	27721	84.6,84.6
70	232.7	262.6	258.0	238.6	231.9	231.4	232.5	233.2	60- 70	3677	31398	95.9,95.9
80	32.50	40.18	0	32.17	31.87	28.54	0	28.69	70- 80	1306	32704	99.8,99.8
90	0.6174	0	0	0	0.6467	0	0	0	80- 90	49.74	32754	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): 18975 lm

%lum = 57.9%

%lamp = 57.9%

Conical surface Flux(120deg): 27721 lm

%lum = 84.6%

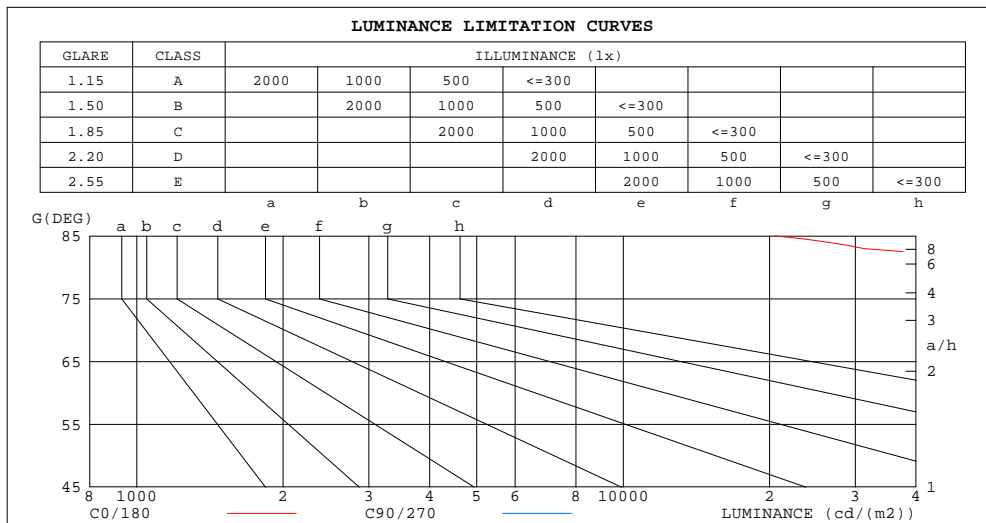
%lamp = 84.6%

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.07V I:1.6382A P:196.31W PF:0.9980 Freq:59.98Hz Lamp Flux:32753.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/5000K	DIM.: 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	20457	0
80	77991	0
75	182568	202407
70	283517	314344
65	368742	384833
60	425770	435526
55	463383	457543
50	483466	477776
45	496011	497494

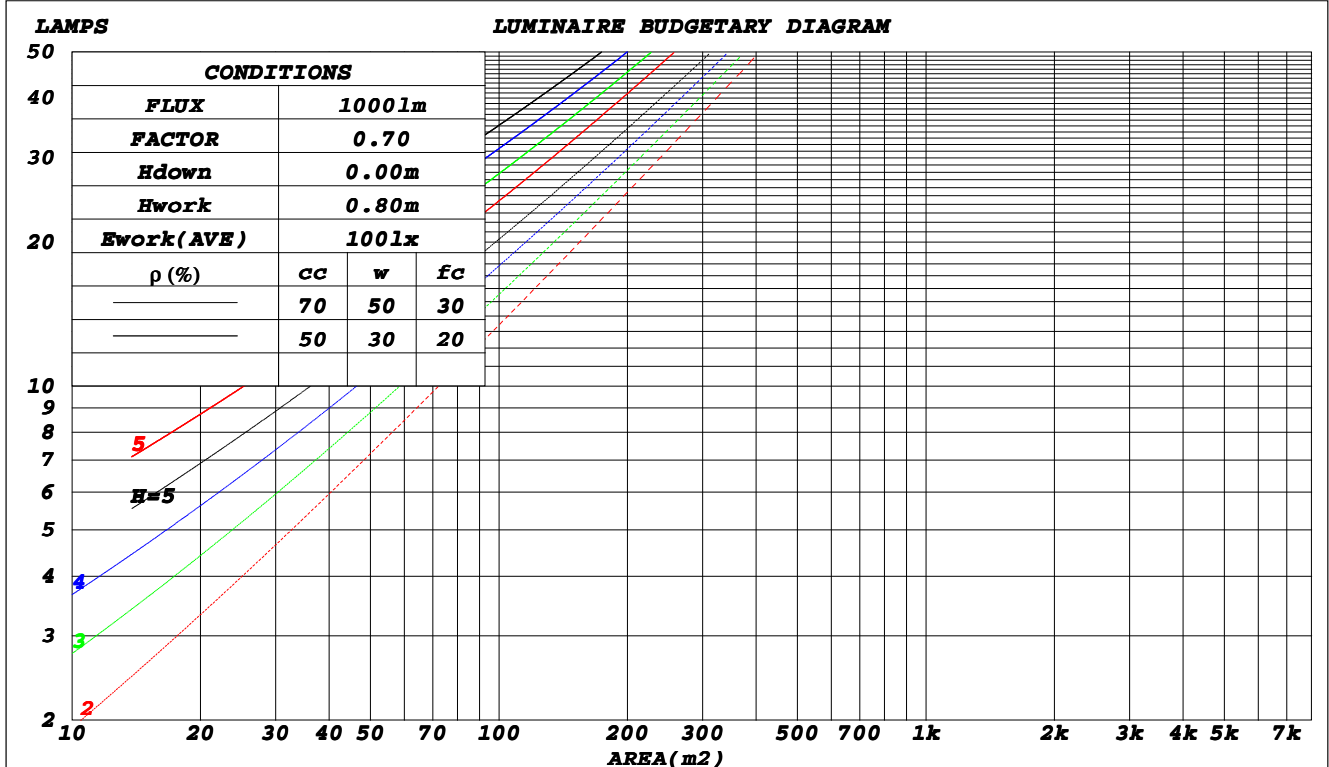
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.07V I:1.6382A P:196.31W PF:0.9980 Freq:59.98Hz Lamp Flux:32753.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/5000K	DIM.: 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	.00
1.0	1.06	1.02	.98	1.03	1.00	.97	.99	.96	.94	.95	.93	.91	.92	.90	.88	.86
2.0	.93	.87	.81	.91	.85	.80	.88	.83	.78	.84	.80	.77	.81	.78	.75	.73
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.75	.70	.65	.72	.68	.64	.62
4.0	.73	.64	.58	.71	.64	.58	.69	.62	.57	.67	.61	.56	.65	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.50	.62	.55	.49	.60	.54	.49	.58	.53	.48	.46
6.0	.59	.50	.44	.58	.49	.43	.56	.49	.43	.54	.48	.43	.53	.47	.42	.40
7.0	.53	.45	.39	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.38	.36
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	.31	.41	.35	.30	.29
10.0	.41	.33	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.26



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.07V I:1.6382A P:196.31W PF:0.9980 Freq:59.98Hz Lamp Flux:32753.9x1 lm					
NAME: LED Explosion-proof Light			TYPE:Flood Light		WEIGHT:N/A
SPEC.:200W/5000K			DIM.: 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	.274	.156	.049	.267	.153	.048	.254	.146	.047	.242	.140	.045	.231	.134	.043		
2.0	.268	.147	.045	.262	.144	.044	.250	.139	.043	.240	.135	.042	.230	.130	.041		
3.0	.253	.135	.040	.248	.133	.040	.238	.129	.039	.228	.125	.038	.220	.122	.038		
4.0	.237	.123	.036	.232	.122	.036	.223	.118	.035	.215	.115	.035	.207	.113	.034		
5.0	.221	.113	.033	.217	.111	.032	.209	.109	.032	.202	.106	.032	.195	.104	.031		
6.0	.207	.104	.030	.203	.102	.029	.196	.100	.029	.189	.098	.029	.183	.096	.029		
7.0	.193	.096	.027	.190	.095	.027	.184	.093	.027	.178	.091	.027	.172	.089	.026		
8.0	.181	.089	.025	.178	.088	.025	.173	.086	.025	.167	.085	.024	.162	.083	.024		
9.0	.170	.082	.023	.168	.082	.023	.163	.080	.023	.158	.079	.023	.153	.078	.022		
10.0	.161	.077	.021	.158	.076	.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	.082	.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	.161	.114	.077	.138	.099	.066	.095	.068	.047	.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	.049	.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	.133	.075	.034	.115	.065	.030	.079	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.127	.069	.029	.109	.060	.026	.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	

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jessy
 Test Date:2024-11-21

$V(B)$ Range:-75 - 75DEG
 $V(B)$ Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65%
 Test Distance:6.918m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.07V I:1.6382A P:196.31W PF:0.9980 Freq:59.98Hz Lamp Flux:32753.9x1 lm										
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:200W/5000K					DIM.: 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	22.1	23.6	22.4	23.8	24.0	22.2	23.7	22.5	23.9	24.1
3H	23.1	24.4	23.4	24.7	24.9	23.3	24.7	23.6	24.9	25.1
4H	23.3	24.5	23.6	24.8	25.0	23.5	24.8	23.8	25.1	25.3
6H	23.2	24.4	23.6	24.7	25.0	23.5	24.7	23.8	25.0	25.2
8H	23.2	24.3	23.5	24.6	24.9	23.4	24.6	23.8	24.9	25.2
12H	23.1	24.3	23.5	24.5	24.8	23.4	24.5	23.7	24.8	25.1
4H 2H	22.7	23.9	23.0	24.2	24.4	22.7	24.0	23.0	24.2	24.5
3H	23.7	24.8	24.1	25.1	25.4	24.0	25.1	24.3	25.4	25.7
4H	24.0	25.0	24.3	25.3	25.6	24.2	25.2	24.6	25.6	25.9
6H	24.0	24.9	24.4	25.2	25.6	24.2	25.1	24.6	25.5	25.8
8H	24.0	24.8	24.4	25.2	25.5	24.2	25.0	24.6	25.4	25.7
12H	23.9	24.7	24.3	25.1	25.5	24.1	24.9	24.6	25.3	25.7
8H 4H	24.1	24.9	24.5	25.2	25.6	24.3	25.1	24.7	25.5	25.9
6H	24.1	24.8	24.6	25.2	25.6	24.3	25.0	24.7	25.4	25.8
8H	24.1	24.7	24.6	25.1	25.6	24.3	24.9	24.7	25.3	25.7
12H	24.1	24.6	24.6	25.0	25.5	24.2	24.7	24.7	25.2	25.7
12H 4H	24.0	24.8	24.4	25.2	25.6	24.3	25.0	24.7	25.4	25.8
6H	24.1	24.7	24.6	25.1	25.6	24.3	24.9	24.7	25.3	25.7
8H	24.1	24.6	24.6	25.0	25.5	24.2	24.7	24.7	25.2	25.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.4				
1.5H	+ 0.3 / - 0.5					+ 0.2 / - 0.5				
2.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.4				

CIE Pub.117, 32754 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 12.1$)
Area: 0.024 m²

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.07V I:1.6382A P:196.31W PF:0.9980 Freq:59.98Hz Lamp Flux:32753.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/5000K	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

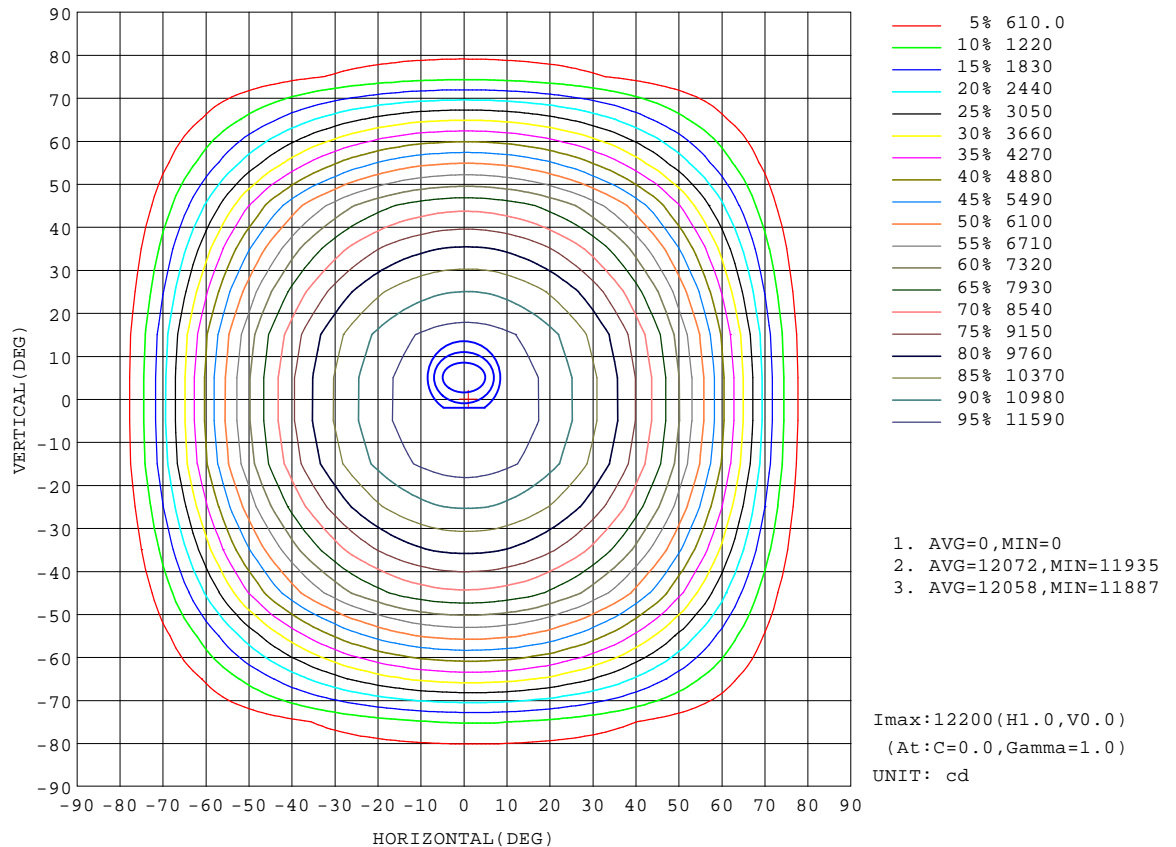
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	58	48	41	57	47	41	34
0.80	70	58	51	69	58	51	67	57	51	44
1.00	78	68	61	77	67	61	75	68	60	53
1.25	86	76	69	84	75	69	82	74	68	61
1.50	90	81	75	89	80	74	86	79	73	66
2.00	97	89	83	95	88	83	92	86	81	74
2.50	101	94	88	99	92	87	95	90	86	78
3.00	104	98	93	102	96	92	98	93	90	82
4.00	108	103	99	105	101	97	101	98	94	86
5.00	110	106	102	108	104	101	103	100	97	89
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:2024-11-21

$V(B)$ Range:-75 - 75DEG
 $V(B)$ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.07V I:1.6382A P:196.31W PF:0.9980 Freq:59.98Hz Lamp Flux:32753.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/5000K	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



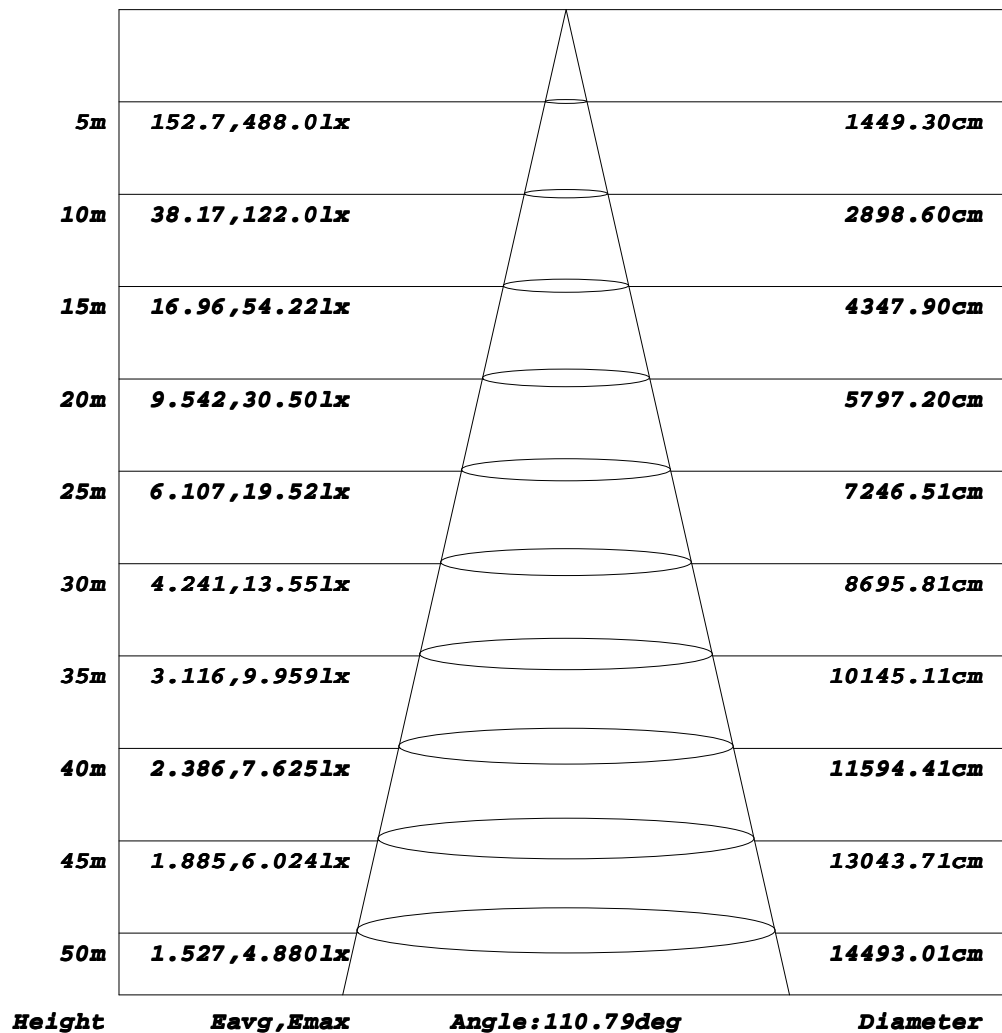
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.07V I:1.6382A P:196.31W PF:0.9980 Freq:59.98Hz Lamp Flux:32753.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/5000K	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:25386 lm



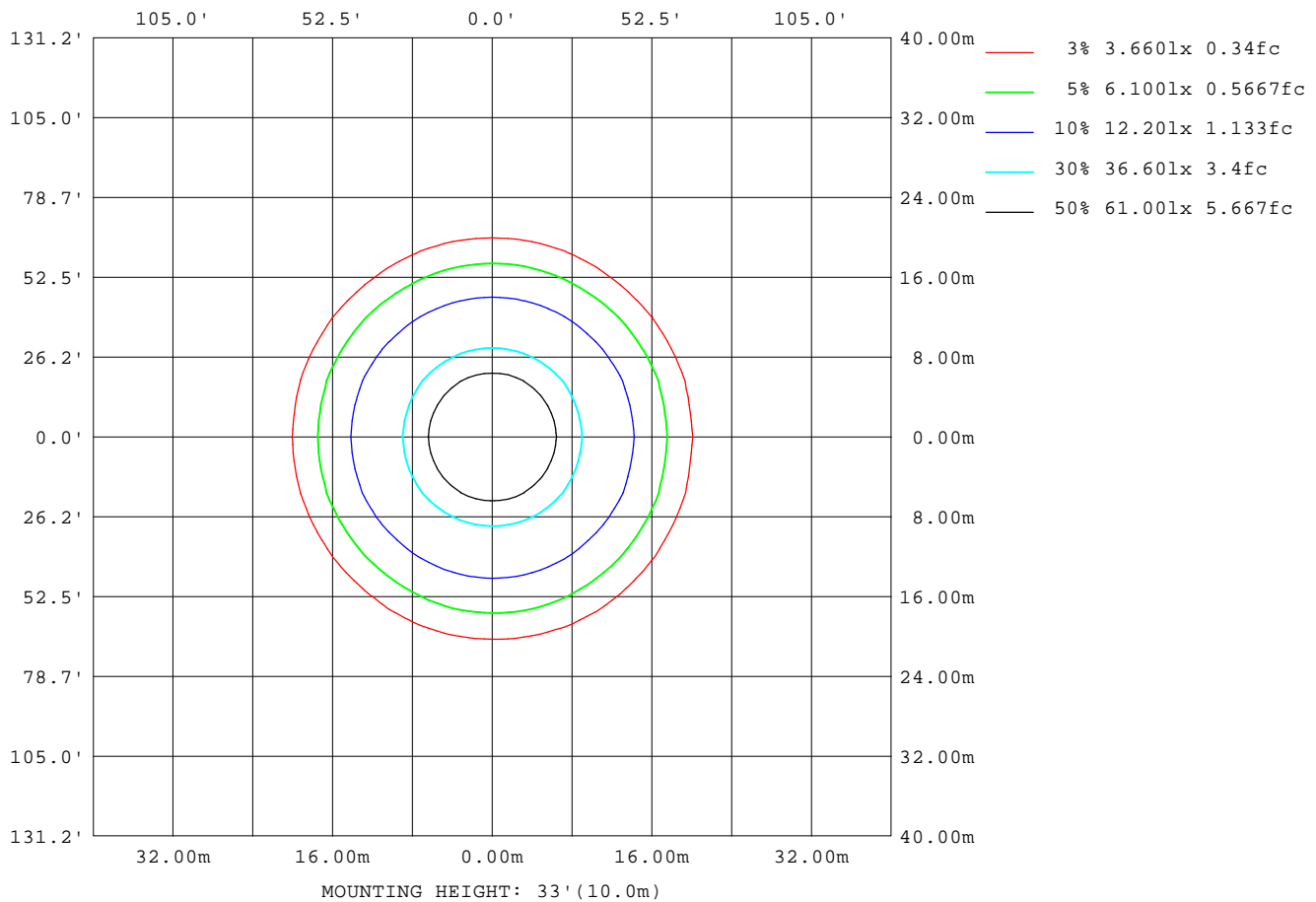
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessie
Test Date: 2024-11-21

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65%
Test Distance: 6.918m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.07V I:1.6382A P:196.31W PF:0.9980 Freq:59.98Hz Lamp Flux:32753.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/5000K	DIM.: 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:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.07V I:1.6382A P:196.31W PF:0.9980 Freq:59.98Hz Lamp Flux:32753.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W/5000K	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

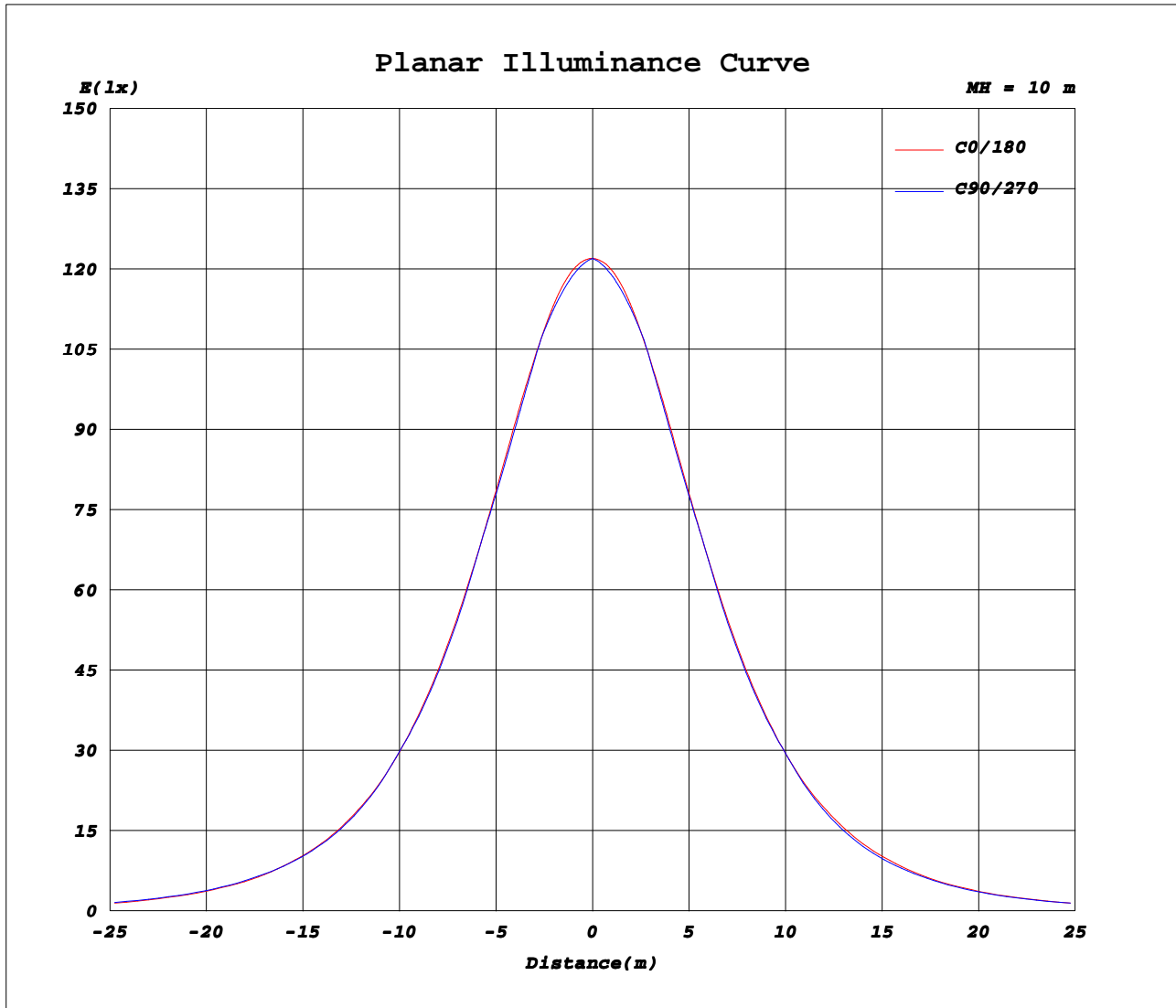
AvgL	cd/m2
L_0~180(65)av	366776
L_0~180(75)av	182950
L_0~180(85)av	20885
L_90~270(65)av	371003
L_90~270(75)av	183926
L_90~270(85)av	0
L_45(65)av	362568
L_45(75)av	209523
L_45(85)av	0

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:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [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:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [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	12199	12199	12199	12199	12199	12199	12199	12199	12199	12199
2.5	12195	12190	12185	12180	12175	12171	12167	12163	12160	12157
5.0	12179	12168	12158	12149	12140	12131	12124	12117	12111	12106
7.5	12143	12126	12111	12098	12086	12075	12065	12058	12050	12044
10.0	12074	12052	12033	12017	12003	11992	11983	11977	11972	11970
12.5	11974	11948	11926	11908	11894	11885	11879	11877	11876	11878
15.0	11856	11825	11799	11780	11768	11760	11758	11760	11765	11774
17.5	11713	11676	11648	11629	11618	11616	11620	11630	11643	11660
20.0	11552	11509	11477	11457	11448	11451	11462	11482	11507	11536
22.5	11358	11309	11277	11259	11256	11264	11284	11315	11354	11323
25.0	11132	11079	11047	11033	11036	11055	11089	11132	11093	11065
27.5	10883	10827	10796	10786	10797	10827	10873	10847	10816	10797
30.0	10611	10550	10518	10515	10537	10583	10586	10546	10525	10520
32.5	10313	10249	10218	10220	10253	10311	10261	10233	10224	10231
35.0	9989	9921	9894	9906	9952	9954	9916	9904	9912	9934
37.5	9629	9559	9539	9565	9630	9580	9555	9562	9588	9630
40.0	9260	9181	9161	9196	9235	9186	9176	9203	9255	9277
42.5	8865	8780	8760	8804	8800	8773	8784	8830	8881	8829
45.0	8418	8339	8335	8395	8344	8342	8379	8447	8398	8370
47.5	7938	7864	7881	7941	7877	7888	7962	7952	7911	7900
50.0	7458	7370	7387	7424	7402	7426	7482	7434	7423	7429
52.5	6937	6855	6882	6874	6891	6965	6916	6896	6922	6959
55.0	6379	6298	6362	6314	6349	6425	6352	6342	6407	6471
57.5	5809	5707	5764	5728	5791	5778	5763	5795	5868	5830
60.0	5109	5053	5107	5082	5193	5124	5135	5246	5190	5177
62.5	4459	4371	4401	4450	4471	4451	4520	4547	4518	4522
65.0	3740	3676	3702	3772	3762	3791	3851	3841	3854	3876
67.5	3024	2998	2999	3082	3076	3137	3146	3157	3191	3236
70.0	2327	2310	2331	2378	2409	2461	2491	2512	2556	2626
72.5	1692	1680	1730	1738	1798	1852	1873	1922	1993	2031
75.0	1134	1124	1170	1184	1252	1277	1340	1414	1448	1453
77.5	666.2	655.2	694.5	739.4	779.3	834.6	913.7	936.9	927.7	892.9
80.0	325.0	327.1	343.4	399.0	438.3	504.2	520.0	490.2	429.4	401.8
82.5	117.8	125.9	152.4	181.1	227.0	215.0	167.2	156.5	118.2	53.98
85.0	42.79	48.35	60.92	73.97	58.65	34.27	0	0	0	0
87.5	9.222	15.64	14.26	0	0	0	0	0	0	0
90.0	6.174	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	12199	12199	12199	12199	12199	12199	12199	12199	12199	12199
2.5	12154	12151	12149	12148	12146	12144	12143	12143	12142	12142
5.0	12102	12098	12094	12091	12089	12088	12087	12086	12085	12084
7.5	12040	12036	12034	12032	12031	12030	12030	12029	12028	12027
10.0	11967	11966	11966	11967	11968	11970	11971	11972	11971	11969
12.5	11882	11886	11891	11896	11902	11907	11911	11915	11914	11911
15.0	11784	11795	11807	11819	11831	11842	11851	11857	11857	11853
17.5	11678	11698	11701	11683	11671	11661	11656	11651	11649	11647
20.0	11532	11504	11484	11469	11459	11452	11447	11443	11441	11438
22.5	11295	11273	11259	11250	11246	11242	11238	11235	11233	11229
25.0	11047	11035	11028	11027	11030	11032	11030	11027	11024	11020
27.5	10788	10787	10790	10799	10811	10821	10822	10819	10816	10811
30.0	10523	10532	10547	10566	10589	10608	10615	10611	10608	10602
32.5	10250	10273	10299	10330	10307	10291	10273	10255	10247	10246
35.0	9969	10010	9976	9949	9929	9918	9907	9893	9886	9885
37.5	9655	9612	9583	9566	9552	9545	9541	9531	9525	9524
40.0	9230	9197	9184	9181	9174	9171	9173	9168	9165	9162
42.5	8800	8779	8779	8793	8798	8797	8805	8804	8804	8800
45.0	8363	8361	8370	8401	8422	8423	8436	8441	8443	8437
47.5	7916	7941	7958	8005	7995	7950	7927	7913	7907	7904
50.0	7462	7517	7489	7463	7441	7411	7388	7377	7371	7364
52.5	7004	6968	6915	6902	6885	6871	6850	6842	6835	6823
55.0	6393	6372	6337	6342	6329	6330	6312	6306	6298	6282
57.5	5779	5773	5755	5780	5774	5786	5775	5771	5762	5740
60.0	5166	5169	5175	5213	5221	5241	5239	5235	5226	5199
62.5	4554	4565	4598	4639	4628	4615	4596	4579	4565	4544
65.0	3935	3957	3977	3970	3968	3949	3934	3918	3903	3885
67.5	3298	3310	3325	3308	3309	3286	3272	3257	3242	3226
70.0	2661	2672	2677	2652	2649	2623	2610	2596	2580	2568
72.5	2042	2042	2030	2001	1990	1963	1948	1935	1919	1909
75.0	1439	1418	1388	1354	1330	1303	1286	1274	1257	1251
77.5	848.4	798.1	778.6	751.9	720.1	686.2	659.5	641.2	628.6	629.5
80.0	374.4	326.1	267.4	201.8	137.6	80.83	37.06	9.424	0	9.250
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(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-21

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.918m [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	12199	12199	12199	12199	12199	12199	12199	12199	12199	12199
2.5	12142	12142	12143	12144	12145	12146	12148	12151	12154	12157
5.0	12084	12084	12084	12085	12087	12090	12093	12097	12102	12108
7.5	12025	12024	12023	12023	12024	12026	12029	12033	12037	12043
10.0	11966	11962	11959	11957	11955	11953	11952	11953	11954	11957
12.5	11905	11898	11891	11883	11876	11869	11862	11857	11853	11851
15.0	11843	11831	11818	11804	11789	11774	11761	11748	11737	11729
17.5	11646	11648	11654	11665	11680	11673	11651	11629	11609	11591
20.0	11436	11436	11440	11445	11457	11475	11500	11499	11467	11439
22.5	11226	11223	11221	11221	11226	11238	11256	11282	11313	11271
25.0	11015	11009	11000	10992	10990	10993	11003	11022	11049	11088
27.5	10805	10794	10776	10759	10748	10741	10742	10749	10767	10799
30.0	10594	10576	10549	10522	10500	10484	10472	10465	10470	10493
32.5	10253	10258	10264	10282	10249	10222	10193	10169	10161	10171
35.0	9887	9885	9886	9899	9923	9952	9903	9865	9840	9834
37.5	9522	9512	9508	9513	9526	9547	9581	9549	9507	9482
40.0	9155	9138	9130	9123	9120	9127	9152	9190	9163	9114
42.5	8788	8765	8751	8730	8710	8706	8717	8737	8778	8732
45.0	8421	8392	8371	8332	8297	8286	8278	8273	8293	8343
47.5	7905	7913	7935	7931	7884	7864	7827	7799	7803	7846
50.0	7359	7363	7369	7377	7410	7437	7371	7324	7311	7327
52.5	6815	6811	6801	6800	6817	6872	6910	6849	6807	6784
55.0	6270	6257	6233	6221	6221	6248	6272	6352	6291	6228
57.5	5726	5700	5668	5636	5623	5620	5630	5681	5748	5679
60.0	5182	5142	5103	5049	5025	4989	4987	5002	5041	5116
62.5	4540	4515	4504	4457	4425	4358	4339	4326	4340	4377
65.0	3880	3855	3848	3804	3797	3727	3683	3655	3646	3647
67.5	3219	3197	3193	3157	3152	3099	3044	2984	2958	2959
70.0	2559	2541	2540	2516	2515	2484	2439	2386	2296	2288
72.5	1900	1887	1888	1880	1883	1875	1855	1823	1765	1681
75.0	1240	1234	1238	1248	1259	1274	1285	1283	1266	1222
77.5	634.8	646.0	661.9	677.0	678.7	678.9	725.0	763.9	790.4	792.7
80.0	35.67	76.04	126.4	181.3	232.8	275.5	307.5	321.7	332.4	387.0
82.5	0	0	0	0	0	0	0	43.06	88.85	109.2
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	12199	12199	12199	12199	12199	12199	12199	12199	12199	12199
2.5	12161	12164	12169	12173	12178	12183	12188	12182	12177	12172
5.0	12115	12122	12130	12139	12149	12159	12170	12158	12147	12137
7.5	12050	12059	12070	12081	12094	12109	12125	12108	12092	12078
10.0	11962	11970	11979	11992	12007	12026	12048	12025	12005	11988
12.5	11852	11855	11863	11876	11892	11913	11939	11911	11889	11871
15.0	11724	11723	11728	11738	11755	11779	11810	11777	11752	11733
17.5	11578	11572	11572	11581	11598	11625	11660	11623	11594	11575
20.0	11417	11403	11398	11404	11421	11451	11492	11449	11417	11397
22.5	11238	11214	11201	11201	11216	11244	11289	11242	11211	11194
25.0	11041	11004	10980	10973	10982	11011	11060	11009	10978	10966
27.5	10826	10775	10741	10725	10732	10760	10812	10757	10727	10718
30.0	10535	10530	10479	10453	10453	10482	10540	10479	10448	10446
32.5	10202	10258	10196	10159	10154	10181	10242	10178	10148	10150
35.0	9850	9895	9896	9845	9828	9849	9912	9846	9821	9835
37.5	9481	9516	9576	9507	9474	9489	9552	9485	9466	9496
40.0	9096	9117	9179	9139	9094	9105	9175	9102	9087	9128
42.5	8698	8699	8738	8747	8693	8702	8777	8699	8687	8737
45.0	8288	8260	8277	8342	8269	8261	8327	8258	8262	8333
47.5	7863	7799	7802	7886	7821	7793	7855	7790	7814	7875
50.0	7373	7326	7320	7365	7338	7311	7389	7307	7328	7355
52.5	6804	6854	6799	6814	6844	6806	6874	6800	6834	6805
55.0	6231	6302	6250	6256	6339	6254	6310	6244	6319	6247
57.5	5628	5655	5690	5665	5745	5662	5738	5656	5728	5656
60.0	4999	5001	5081	4997	5075	5020	5056	5014	5070	5001
62.5	4394	4331	4340	4352	4370	4354	4411	4346	4361	4354
65.0	3702	3671	3640	3669	3676	3679	3700	3666	3668	3679
67.5	2978	2986	2961	2990	2969	3004	3005	2993	2968	3000
70.0	2303	2308	2307	2295	2293	2338	2319	2322	2296	2305
72.5	1656	1682	1685	1667	1685	1711	1694	1698	1692	1675
75.0	1124	1090	1129	1120	1123	1139	1139	1134	1130	1125
77.5	746.1	659.7	640.9	666.2	651.7	659.9	670.8	660.0	658.4	677.8

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

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-21

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.918m [K=1.0000]

Remarks:

Photometric Data Table [cd]

80.0	406.5	388.8	321.6	316.0	316.8	312.4	318.7	315.3	319.9	330.8
82.5	106.5	158.6	160.4	116.1	126.0	121.4	121.2	124.8	131.5	128.5
85.0	0	23.84	36.68	43.55	38.70	41.49	44.58	43.16	44.97	49.51
87.5	0	0	0	0	7.418	8.809	10.13	9.622	7.456	0
90.0	0	0	0	0	0	0	6.467	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	12199	12199	12199	12199	12199	12199	12199	12199	12199	12199
2.5	12167	12163	12159	12155	12151	12148	12146	12143	12141	12140
5.0	12128	12119	12111	12104	12098	12092	12087	12083	12080	12078
7.5	12066	12055	12045	12037	12030	12025	12021	12017	12015	12013
10.0	11974	11964	11955	11949	11945	11942	11940	11940	11941	11943
12.5	11857	11848	11843	11841	11841	11844	11849	11854	11859	11866
15.0	11721	11714	11713	11716	11723	11733	11745	11757	11770	11782
17.5	11564	11561	11566	11577	11593	11611	11632	11653	11659	11641
20.0	11389	11391	11403	11423	11449	11480	11478	11451	11431	11417
22.5	11192	11203	11223	11254	11293	11260	11231	11210	11197	11188
25.0	10971	10992	11026	11071	11027	10997	10976	10963	10956	10956
27.5	10731	10763	10810	10780	10745	10724	10714	10709	10711	10719
30.0	10469	10518	10520	10472	10446	10439	10442	10450	10461	10478
32.5	10185	10244	10185	10150	10135	10140	10162	10187	10209	10235
35.0	9884	9880	9831	9811	9813	9834	9868	9915	9880	9846
37.5	9560	9500	9463	9459	9478	9515	9544	9505	9477	9454
40.0	9163	9101	9076	9092	9135	9154	9108	9079	9067	9059
42.5	8726	8684	8679	8710	8751	8698	8669	8653	8653	8662
45.0	8267	8250	8272	8321	8263	8231	8224	8226	8234	8260
47.5	7793	7790	7852	7826	7772	7757	7771	7798	7816	7854
50.0	7308	7318	7364	7307	7280	7281	7311	7366	7329	7279
52.5	6788	6843	6790	6762	6776	6804	6848	6786	6716	6678
55.0	6243	6289	6215	6199	6257	6307	6200	6150	6101	6075
57.5	5690	5646	5613	5648	5708	5628	5549	5509	5486	5469
60.0	5085	4995	4983	5088	4993	4941	4898	4864	4869	4862
62.5	4350	4324	4379	4352	4289	4256	4243	4220	4253	4253
65.0	3642	3667	3687	3622	3595	3577	3579	3583	3627	3614
67.5	2958	2983	2966	2931	2908	2902	2942	2971	2996	2981
70.0	2310	2309	2296	2262	2249	2314	2348	2369	2373	2352
72.5	1693	1687	1656	1661	1725	1761	1776	1772	1755	1727
75.0	1141	1104	1129	1204	1230	1230	1215	1181	1144	1105
77.5	658.0	677.7	750.8	777.3	757.7	715.5	664.4	596.5	586.2	575.1
80.0	338.5	399.8	408.3	372.7	301.7	285.4	274.2	241.5	201.1	154.2
82.5	170.7	163.0	105.1	101.2	79.83	38.27	0	0	0	0
85.0	40.18	24.37	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	12199	12199	12199	12199	12199	12199	12199	12199	12199	12199
2.5	12139	12138	12138	12138	12139	12139	12140	12141	12143	12145
5.0	12077	12076	12076	12077	12078	12079	12080	12081	12083	12085
7.5	12012	12013	12014	12015	12018	12018	12019	12020	12021	12023
10.0	11945	11947	11951	11954	11957	11958	11957	11956	11955	11955
12.5	11873	11880	11886	11892	11896	11897	11894	11891	11886	11881
15.0	11796	11809	11820	11830	11836	11835	11830	11823	11813	11803
17.5	11628	11621	11618	11618	11622	11625	11630	11637	11648	11664
20.0	11408	11404	11402	11404	11408	11411	11416	11423	11432	11443
22.5	11185	11185	11186	11189	11194	11198	11202	11207	11212	11217
25.0	10960	10966	10970	10975	10981	10985	10988	10991	10989	10987
27.5	10731	10745	10754	10760	10767	10771	10774	10773	10763	10751
30.0	10500	10522	10539	10545	10553	10558	10561	10553	10534	10512
32.5	10210	10198	10189	10182	10185	10194	10211	10228	10243	10269
35.0	9825	9817	9815	9813	9816	9824	9836	9845	9856	9879
37.5	9440	9436	9441	9443	9448	9453	9460	9463	9470	9487
40.0	9055	9054	9066	9073	9080	9082	9082	9079	9083	9090
42.5	8669	8673	8690	8702	8711	8711	8704	8696	8696	8691
45.0	8283	8292	8315	8332	8343	8339	8325	8313	8308	8288
47.5	7836	7795	7775	7768	7772	7777	7786	7815	7861	7882
50.0	7247	7220	7201	7196	7202	7206	7212	7237	7270	7307
52.5	6656	6644	6628	6624	6632	6636	6639	6658	6678	6707
55.0	6065	6066	6055	6052	6061	6065	6067	6078	6086	6105
57.5	5475	5485	5483	5480	5491	5494	5494	5496	5495	5501
60.0	4886	4904	4912	4908	4920	4923	4921	4912	4905	4893
62.5	4275	4277	4276	4264	4272	4277	4284	4285	4294	4280
65.0	3631	3629	3628	3618	3623	3629	3634	3637	3649	3638
67.5	2989	2983	2979	2972	2974	2981	2985	2991	3006	3002
70.0	2350	2338	2331	2326	2325	2332	2335	2347	2365	2371

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-21

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.918m [K=1.0000]

Remarks:

Photometric Data Table [cd]

72.5	1713	1695	1684	1679	1676	1684	1686	1703	1725	1743
75.0	1077	1053	1036	1034	1028	1036	1037	1061	1086	1118
77.5	559.3	541.3	526.0	519.0	513.8	520.3	526.4	546.1	565.2	583.9
80.0	106.8	63.71	29.56	7.627	0	7.644	29.58	64.29	108.0	156.5
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	12199	12199	12199	12199	12199	12199	12199	12199	12199	12199
2.5	12146	12148	12151	12154	12157	12161	12165	12170	12174	12179
5.0	12088	12092	12096	12101	12107	12114	12121	12129	12137	12147
7.5	12025	12028	12032	12038	12044	12052	12061	12071	12083	12096
10.0	11955	11956	11958	11962	11965	11971	11978	11987	11999	12013
12.5	11878	11874	11871	11868	11867	11868	11872	11879	11889	11904
15.0	11792	11781	11770	11761	11754	11750	11750	11752	11761	11775
17.5	11683	11680	11662	11645	11630	11617	11609	11606	11611	11624
20.0	11459	11482	11513	11518	11490	11467	11450	11440	11440	11451
22.5	11228	11245	11269	11301	11337	11300	11272	11254	11247	11252
25.0	10990	11000	11015	11040	11073	11116	11073	11042	11026	11025
27.5	10746	10746	10754	10768	10790	10825	10856	10813	10787	10778
30.0	10497	10488	10484	10484	10493	10521	10568	10569	10526	10506
32.5	10244	10224	10205	10188	10187	10203	10238	10296	10240	10211
35.0	9914	9956	9917	9887	9871	9871	9890	9936	9940	9897
37.5	9511	9548	9596	9576	9543	9526	9526	9559	9618	9558
40.0	9103	9123	9163	9218	9208	9164	9142	9162	9224	9190
42.5	8687	8697	8723	8762	8828	8783	8745	8745	8785	8797
45.0	8269	8270	8275	8294	8333	8393	8334	8308	8324	8385
47.5	7850	7841	7818	7813	7833	7886	7910	7849	7851	7921
50.0	7363	7404	7353	7330	7332	7358	7422	7382	7366	7397
52.5	6750	6821	6883	6845	6820	6808	6850	6913	6847	6847
55.0	6134	6182	6234	6341	6294	6246	6271	6359	6302	6292
57.5	5517	5541	5584	5661	5739	5694	5658	5707	5745	5701
60.0	4898	4895	4933	4971	5025	5119	5025	5041	5135	5046
62.5	4279	4250	4277	4282	4321	4375	4414	4361	4399	4404
65.0	3651	3611	3611	3602	3625	3644	3713	3694	3689	3721
67.5	3017	2996	2970	2926	2935	2955	2987	3008	2991	3018
70.0	2390	2391	2370	2332	2271	2283	2313	2332	2332	2321
72.5	1770	1790	1791	1774	1739	1677	1674	1703	1703	1682
75.0	1156	1194	1224	1239	1240	1216	1146	1115	1150	1128
77.5	594.9	604.2	669.5	720.4	763.9	784.9	759.3	685.8	665.6	679.1
80.0	204.1	244.6	276.4	286.9	304.8	376.5	410.9	404.6	343.8	331.0
82.5	0	0	0	38.50	80.78	102.5	104.1	164.2	172.3	128.6
85.0	0	0	0	0	0	0	0	24.27	39.41	49.05
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	12199	12199								
2.5	12184	12189								
5.0	12157	12168								
7.5	12110	12126								
10.0	12031	12051								
12.5	11923	11947								
15.0	11796	11823								
17.5	11645	11674								
20.0	11473	11507								
22.5	11272	11307								
25.0	11041	11077								
27.5	10791	10825								
30.0	10512	10547								
32.5	10212	10246								
35.0	9888	9918								
37.5	9535	9557								
40.0	9156	9179								
42.5	8756	8777								
45.0	8327	8334								
47.5	7867	7856								
50.0	7373	7363								
52.5	6874	6853								
55.0	6360	6297								
57.5	5760	5705								
60.0	5093	5044								
62.5	4379	4368								

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-21

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.918m [K=1.0000]

Remarks:

Photometric Data Table [cd]

65.0	3682	3679
67.5	2973	2992
70.0	2303	2317
72.5	1697	1678
75.0	1135	1122
77.5	661.6	649.3
80.0	315.3	316.6
82.5	131.7	118.2
85.0	45.10	42.47
87.5	7.142	9.280
90.0	0	0

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-21

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.918m [K=1.0000]
Remarks: