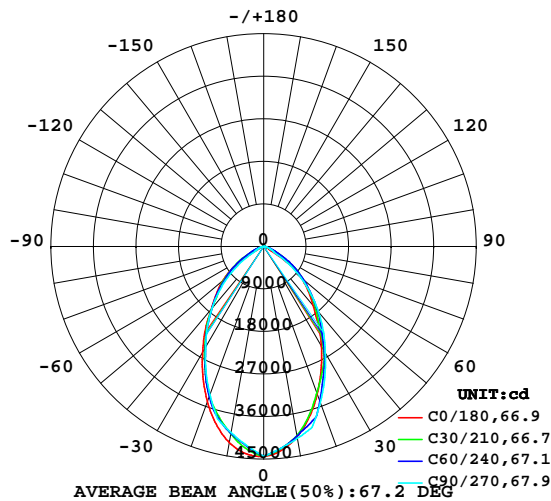


LUMINAIRE PHOTOMETRIC TEST REPORT

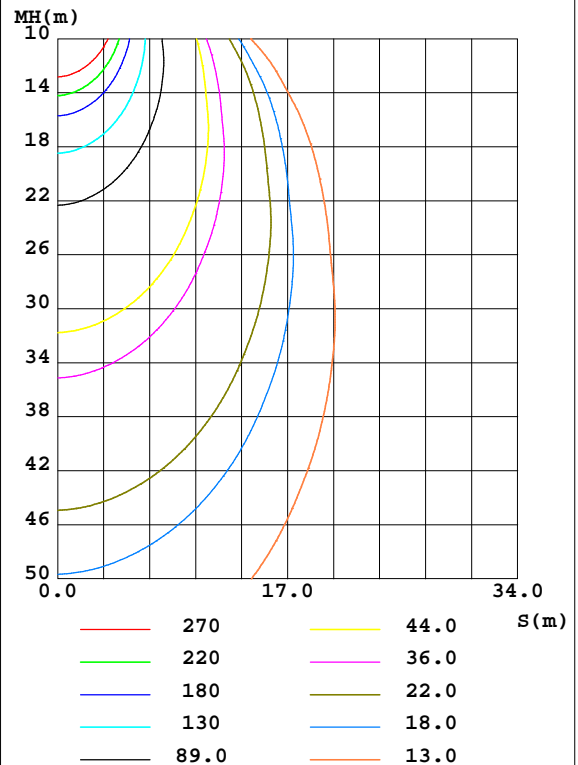
Test:U:119.92V I:3.2928A P:394.12W PF:0.9981 Freq:59.98Hz Lamp Flux:62041.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:400W/5000K/60°	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 157.42 lm/W			
MODEL	GHSL-64-U	Imax(cd)	44439	S/MH(C0/180)	0.95
NOMINAL POWER(W)	400	LOR(%)	100.0	S/MH(C90/270)	0.91
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	62042	η UP,DN(C0-180)	0.0,50.9
NOMINAL FLUX(lm)	62041.9	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.1
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	1.05

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:2024-11-11

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [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	4085	4056	4122	4090	4211	4015	3997	3971	0- 10	4017	4017	6.47,6.47
20	3321	3475	3510	3481	3490	3371	3335	3340	10- 20	10540	14557	23.5,23.5
30	2445	2516	2607	2579	2590	2495	2455	2426	20- 30	13497	28053	45.2,45.2
40	1635	1747	1805	1800	1723	1739	1701	1676	30- 40	13106	41159	66.3,66.3
50	1035	1082	1026	1142	1139	1090	956.3	1037	40- 50	10658	51818	83.5,83.5
60	176.7	535.1	269.6	579.7	281.4	537.9	221.5	508.3	50- 60	6860	58677	94.6,94.6
70	69.26	121.6	123.0	144.3	86.45	121.4	100.0	112.6	60- 70	2636	61314	98.8,98.8
80	15.64	20.36	0	24.15	22.68	19.51	0	17.80	70- 80	692.0	62006	99.9,99.9
90	0.6630	0	0	0	0.5275	0	0	0	80- 90	36.23	62042	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): 46878 lm

%lum = 75.6%

%lamp = 75.6%

Conical surface Flux(120deg): 58677 lm

%lum = 94.6%

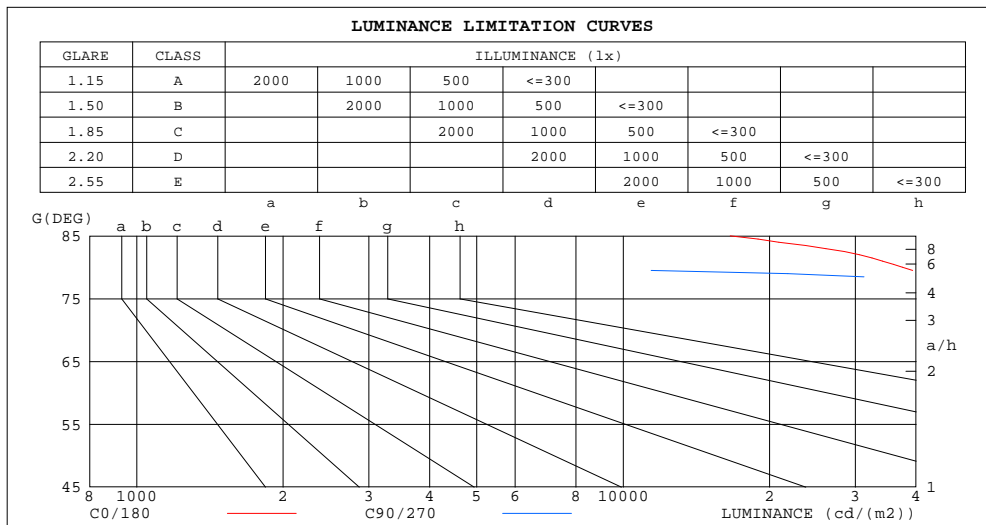
%lamp = 94.6%

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

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.92V I:3.2928A P:394.12W PF:0.9981 Freq:59.98Hz Lamp Flux:62041.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:400W/5000K/60°	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



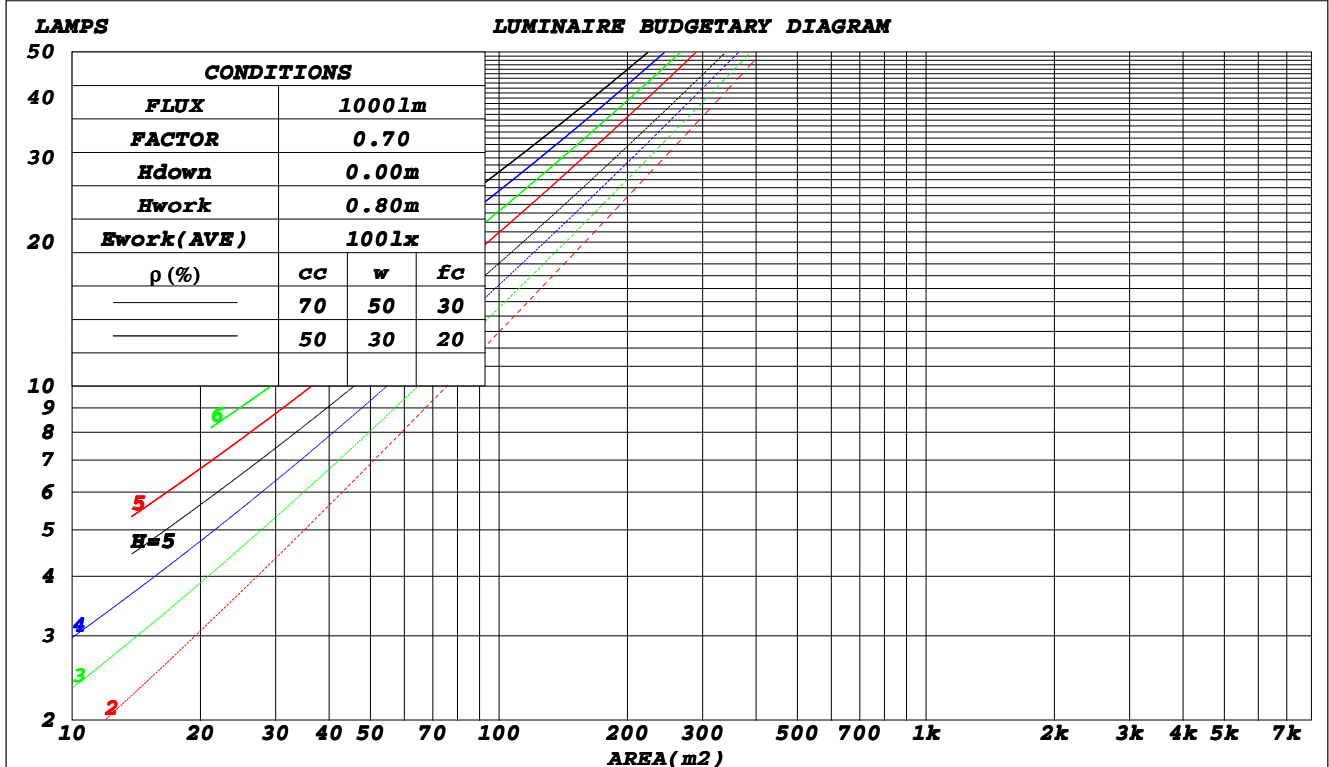
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-11

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.92V I:3.2928A P:394.12W PF:0.9981 Freq:59.98Hz Lamp Flux:62041.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:400W/5000K/60°	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	.00
1.0	1.08	1.05	1.02	1.06	1.03	1.01	1.02	.00	.98	.98	.96	.95	.95	.93	.92	.90
2.0	.98	.93	.88	.96	.91	.87	.93	.89	.85	.90	.86	.84	.87	.84	.82	.80
3.0	.89	.82	.77	.87	.81	.77	.84	.79	.75	.82	.78	.74	.80	.76	.73	.71
4.0	.81	.74	.68	.79	.73	.68	.77	.71	.67	.75	.70	.66	.73	.69	.65	.63
5.0	.74	.66	.61	.73	.66	.61	.71	.65	.60	.69	.64	.59	.67	.63	.59	.57
6.0	.68	.60	.55	.67	.60	.55	.65	.59	.54	.64	.58	.54	.62	.57	.53	.52
7.0	.62	.55	.50	.62	.54	.49	.60	.54	.49	.59	.53	.49	.58	.52	.49	.47
8.0	.58	.50	.45	.57	.50	.45	.56	.49	.45	.55	.49	.45	.54	.48	.44	.43
9.0	.54	.46	.42	.53	.46	.41	.52	.46	.41	.51	.45	.41	.50	.45	.41	.39
10.0	.50	.43	.38	.49	.43	.38	.49	.42	.38	.48	.42	.38	.47	.42	.38	.36



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

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:119.92V I:3.2928A P:394.12W PF:0.9981 Freq:59.98Hz Lamp Flux:62041.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:400W/5000K/60°	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	.225	.128	.040	.218	.124	.039	.205	.118	.038	.193	.111	.036	.182	.106	.034		
2.0	.220	.120	.037	.214	.118	.036	.203	.113	.035	.192	.108	.034	.183	.104	.033		
3.0	.210	.112	.033	.205	.110	.033	.195	.106	.032	.186	.102	.031	.178	.099	.030		
4.0	.199	.103	.030	.194	.102	.030	.186	.099	.029	.178	.096	.029	.171	.093	.028		
5.0	.188	.096	.028	.184	.095	.028	.177	.092	.027	.170	.090	.027	.163	.087	.026		
6.0	.178	.089	.026	.174	.088	.025	.168	.086	.025	.161	.084	.025	.156	.082	.024		
7.0	.168	.083	.024	.165	.082	.023	.159	.080	.023	.154	.079	.023	.148	.077	.023		
8.0	.159	.078	.022	.156	.077	.022	.151	.075	.022	.146	.074	.021	.141	.073	.021		
9.0	.151	.073	.020	.148	.072	.020	.144	.071	.020	.139	.070	.020	.135	.069	.020		
10.0	.143	.069	.019	.141	.068	.019	.137	.067	.019	.133	.066	.019	.129	.065	.019		

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	.174	.157	.141	.149	.135	.121	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.163	.132	.107	.139	.114	.092	.095	.079	.064	.055	.046	.038	.018	.015	.012	
3.0	.153	.114	.083	.131	.098	.072	.090	.068	.050	.052	.040	.030	.017	.013	.010	
4.0	.144	.100	.066	.124	.086	.057	.085	.060	.040	.049	.035	.024	.016	.011	.008	
5.0	.137	.089	.053	.118	.077	.047	.081	.054	.033	.047	.032	.019	.015	.010	.006	
6.0	.130	.080	.044	.112	.069	.039	.077	.049	.027	.045	.029	.016	.014	.009	.005	
7.0	.124	.073	.037	.107	.063	.033	.074	.044	.023	.043	.026	.014	.014	.009	.005	
8.0	.118	.067	.032	.102	.058	.028	.070	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.113	.062	.028	.097	.054	.024	.067	.038	.017	.039	.022	.010	.013	.007	.003	
10.0	.108	.058	.025	.093	.050	.021	.064	.035	.015	.038	.021	.009	.012	.007	.003	

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

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.92V I:3.2928A P:394.12W PF:0.9981 Freq:59.98Hz Lamp Flux:62041.9x1 lm										
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:400W/5000K/60°					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	19.2	20.5	19.5	20.6	20.8	19.5	20.8	19.8	20.9	21.1
3H	19.1	20.3	19.4	20.5	20.7	19.8	20.9	20.0	21.1	21.3
4H	19.1	20.1	19.4	20.4	20.6	19.7	20.8	20.0	21.0	21.3
6H	19.0	20.0	19.3	20.2	20.5	19.6	20.6	19.9	20.9	21.2
8H	18.9	19.9	19.3	20.2	20.4	19.6	20.5	19.9	20.8	21.1
12H	18.9	19.8	19.2	20.1	20.4	19.5	20.5	19.9	20.7	21.0
4H 2H	19.4	20.5	19.7	20.7	21.0	19.7	20.7	20.0	21.0	21.2
3H	19.4	20.3	19.7	20.6	20.9	20.0	20.9	20.4	21.2	21.5
4H	19.3	20.2	19.7	20.5	20.8	20.0	20.9	20.4	21.2	21.5
6H	19.3	20.0	19.7	20.3	20.7	19.9	20.7	20.3	21.0	21.4
8H	19.2	19.9	19.6	20.3	20.6	19.9	20.6	20.3	20.9	21.3
12H	19.2	19.8	19.6	20.2	20.6	19.9	20.5	20.3	20.9	21.2
8H 4H	19.3	20.0	19.7	20.3	20.7	19.9	20.6	20.3	21.0	21.3
6H	19.2	19.8	19.7	20.2	20.6	19.9	20.4	20.3	20.8	21.2
8H	19.2	19.7	19.6	20.1	20.5	19.8	20.3	20.3	20.7	21.2
12H	19.1	19.6	19.6	20.0	20.5	19.8	20.2	20.2	20.6	21.1
12H 4H	19.2	19.9	19.7	20.2	20.6	19.9	20.5	20.3	20.9	21.3
6H	19.2	19.7	19.6	20.1	20.5	19.8	20.3	20.3	20.7	21.2
8H	19.1	19.6	19.6	20.0	20.5	19.8	20.2	20.2	20.6	21.1
Variations with the observer position at spacings:										
S = 1.0H	+ 1.0 / - 1.7					+ 0.9 / - 1.4				
1.5H	+ 0.4 / - 0.6					+ 0.3 / - 0.9				
2.0H	+ 1.9 / - 6.9					+ 1.9 / - 5.4				

CIE Pub.117, 62042 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 14.3$)
Area: 0.024 m²

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

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.92V I:3.2928A P:394.12W PF:0.9981 Freq:59.98Hz Lamp Flux:62041.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:400W/5000K/60°	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

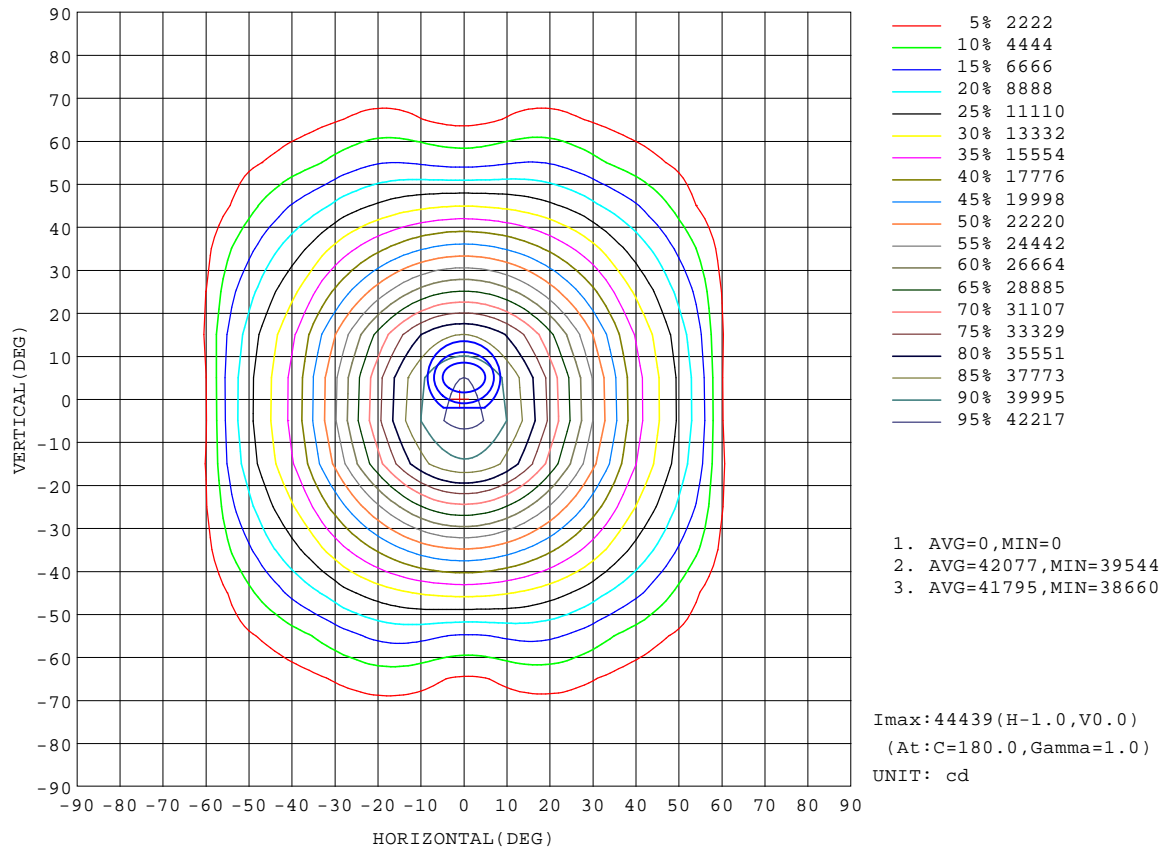
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	70	61	55	69	60	55	68	60	55	49
0.80	80	71	65	79	70	65	77	70	64	59
1.00	87	79	74	86	79	73	85	79	73	67
1.25	94	86	81	92	85	80	90	84	79	74
1.50	98	91	86	96	90	85	94	88	84	78
2.00	103	97	92	101	96	91	98	93	90	83
2.50	105	100	96	104	99	95	100	96	93	86
3.00	108	103	99	106	101	98	102	99	96	88
4.00	111	107	103	108	105	102	104	102	99	91
5.00	112	109	106	110	107	104	106	103	101	93
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:119.92V I:3.2928A P:394.12W PF:0.9981 Freq:59.98Hz Lamp Flux:62041.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:400W/5000K/60°	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



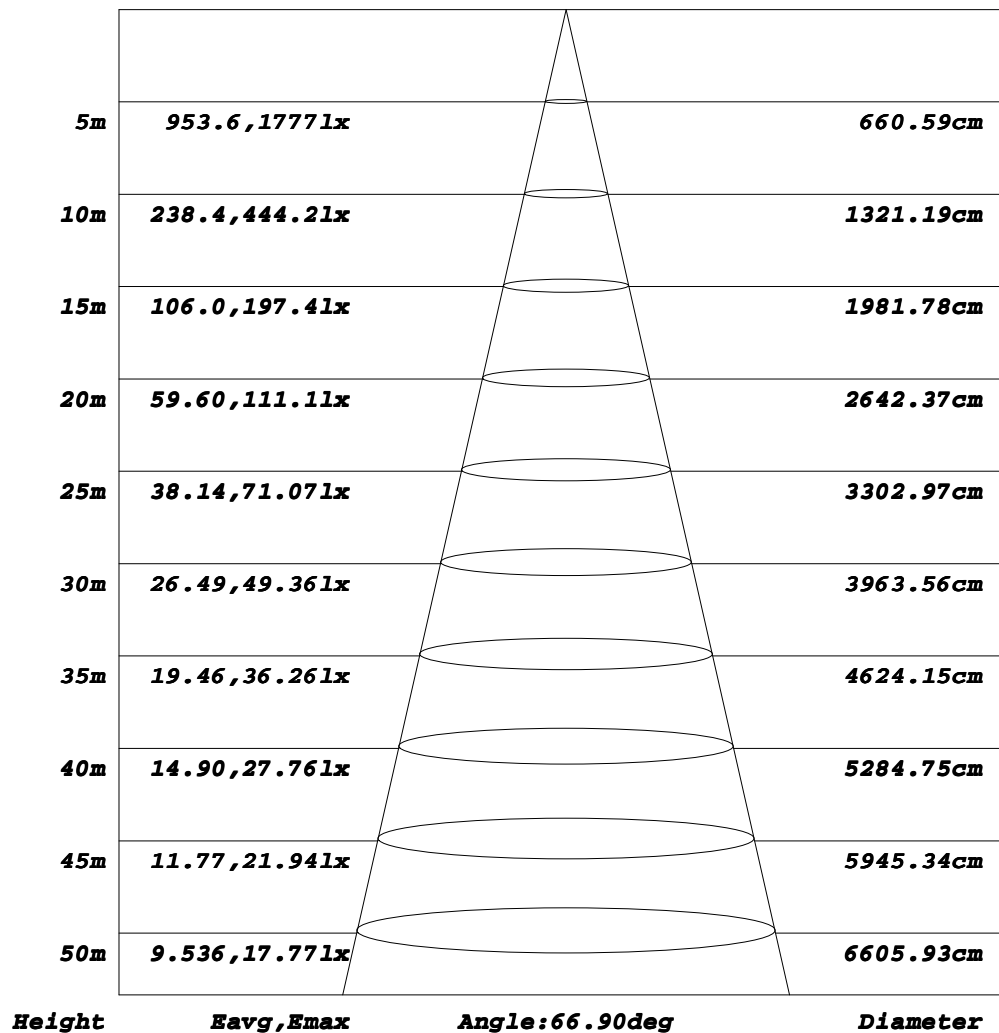
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-11

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [K=1.0000]
Remarks:

AAI Figure

Test:U:119.92V I:3.2928A P:394.12W PF:0.9981 Freq:59.98Hz Lamp Flux:62041.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:400W/5000K/60°	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:32812 lm



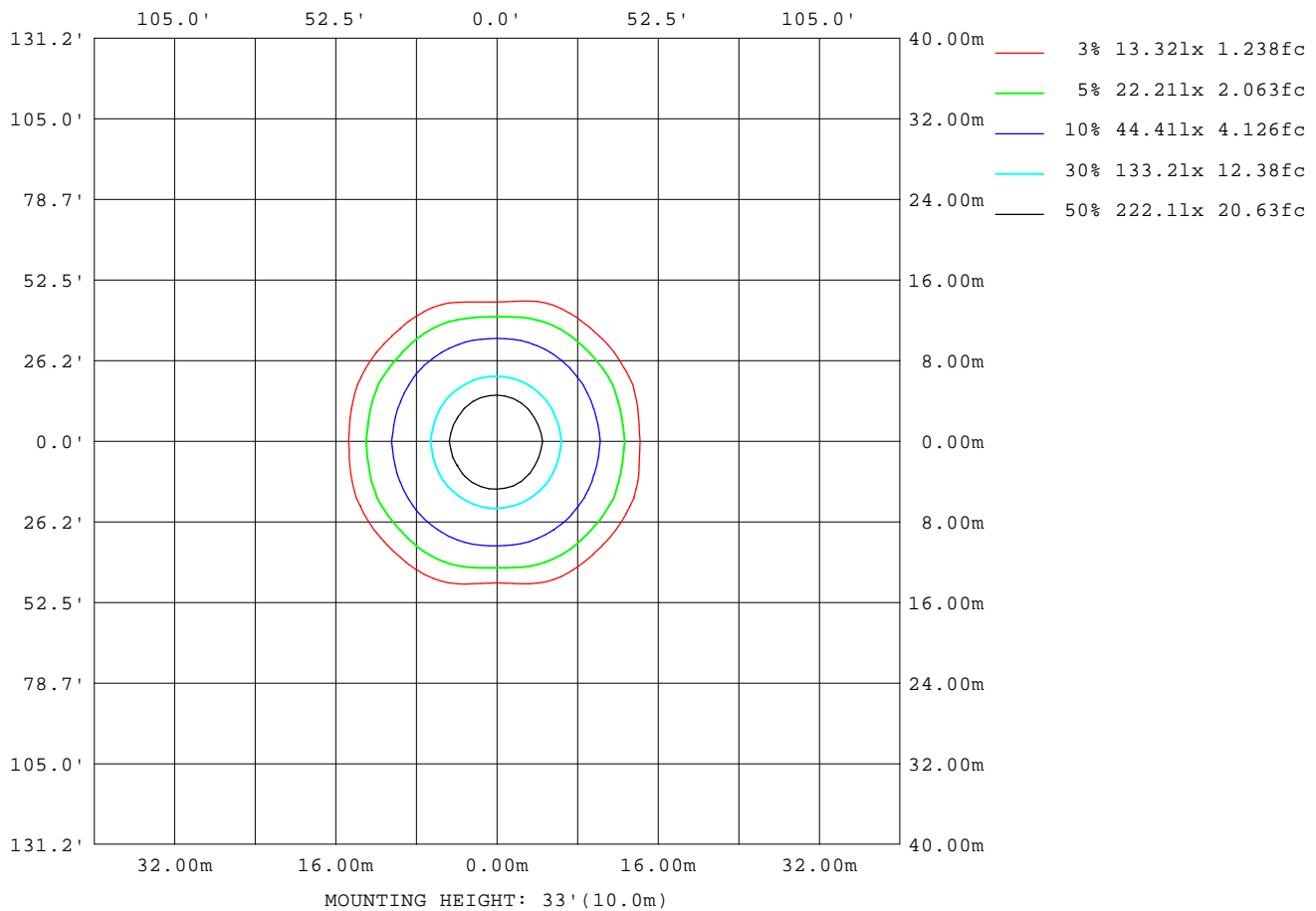
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65%
Test Distance: 6.938m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:119.92V I:3.2928A P:394.12W PF:0.9981 Freq:59.98Hz Lamp Flux:62041.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:400W/5000K/60°	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:2024-11-11

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:119.92V I:3.2928A P:394.12W PF:0.9981 Freq:59.98Hz Lamp Flux:62041.9x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:400W/5000K/60°	DIM.: 230*530mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

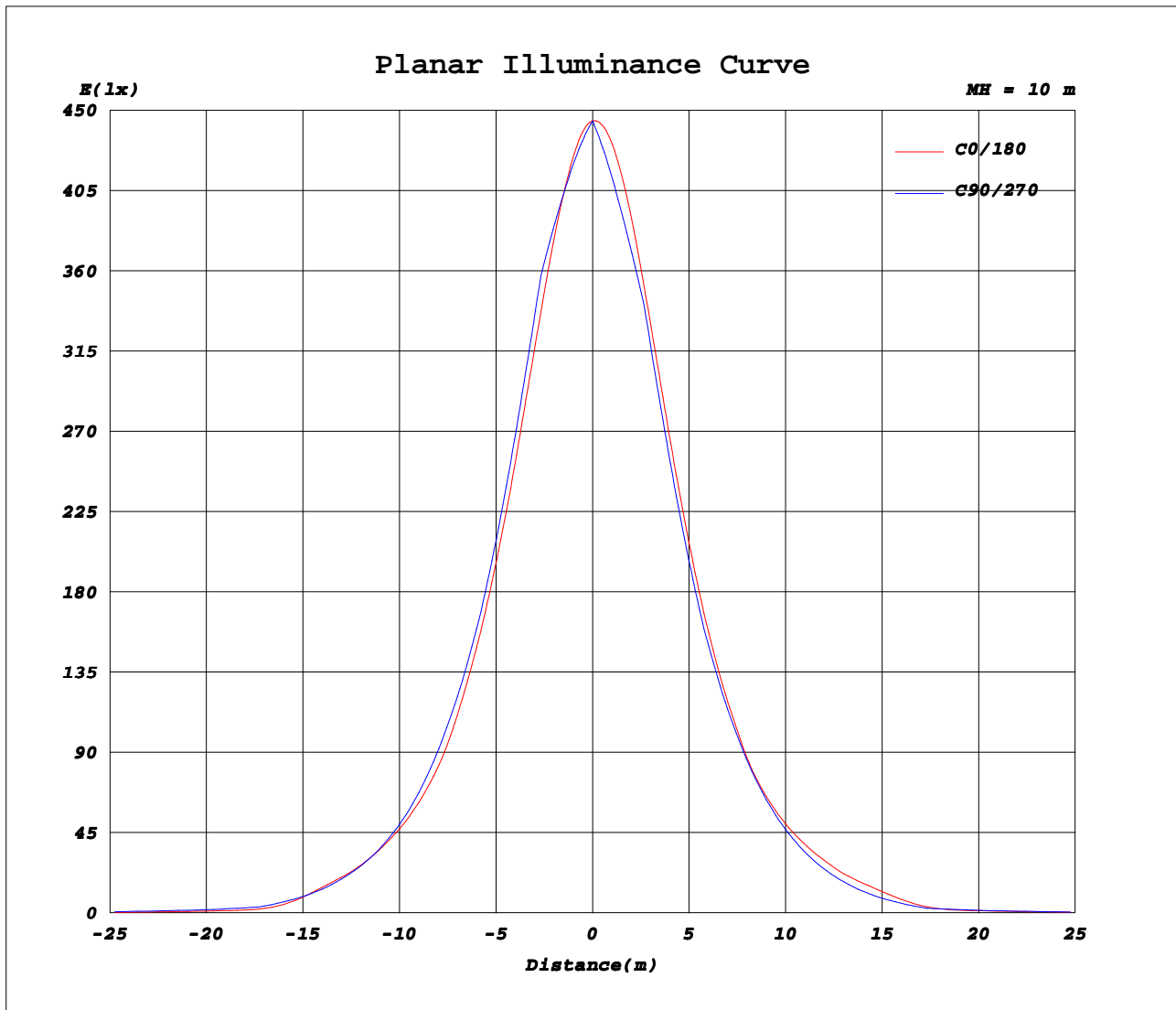
AvgL	cd/m2
L_0~180(65)av	118799
L_0~180(75)av	68221
L_0~180(85)av	22362
L_90~270(65)av	175507
L_90~270(75)av	71992
L_90~270(85)av	0
L_45(65)av	283808
L_45(75)av	108133
L_45(85)av	0

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:2024-11-11

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [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: 2024-11-11

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65%
Test Distance: 6.938m [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	44414	44414	44414	44414	44414	44414	44414	44414	44414	44414
2.5	44062	44003	43948	43898	43853	43813	43779	43749	43720	43692
5.0	43313	43214	43128	43056	42997	42951	42917	42897	42878	42863
7.5	42212	42090	41996	41929	41888	41864	41859	41876	41900	41889
10.0	40848	40714	40623	40573	40563	40592	40634	40571	40542	40555
12.5	39222	39089	39021	39015	39058	39064	38969	38933	38952	39025
15.0	37372	37251	37217	37263	37317	37155	37086	37092	37176	37495
17.5	35367	35261	35264	35367	35206	35056	35016	35150	35631	36138
20.0	33206	33138	33201	33257	32983	32843	32926	33478	34095	34750
22.5	30966	30938	31063	30948	30681	30559	31119	31791	32536	32395
25.0	28804	28794	28951	28643	28381	28645	29334	30117	29868	29690
27.5	26614	26667	26850	26408	26181	26828	27600	27494	27246	27133
30.0	24447	24548	24613	24179	24307	25059	25316	24981	24836	25157
32.5	22357	22517	22471	22055	22521	23313	22905	22619	22966	23321
35.0	20206	20496	20362	20064	20851	21030	20634	20833	21239	21331
37.5	18050	18374	18141	18154	19193	18845	18765	19195	19372	19301
40.0	16350	16620	16280	16510	17019	16617	17114	17542	17460	17469
42.5	14805	15112	14684	15137	15129	14949	15527	15596	15703	15920
45.0	13371	13699	13174	13882	13450	13626	13847	13752	14135	14389
47.5	11940	12249	11863	12425	11948	12415	12285	12356	12655	12567
50.0	10354	10701	10525	10814	10725	10964	10873	11065	10928	10820
52.5	8835	9078	9116	9089	9482	9485	9595	9573	9348	9493
55.0	6865	7347	7853	7567	8111	7996	8283	7986	8151	8250
57.5	3851	4655	5997	6134	6627	6769	6661	6694	6984	6757
60.0	1767	2294	3364	4491	4975	5379	5178	5557	5484	5351
62.5	1347	1431	1793	2740	3555	3721	4056	4192	4109	4161
65.0	1089	1117	1212	1563	2292	2453	2857	2993	3040	2906
67.5	874.5	907.0	977.9	1105	1276	1605	1834	2148	1930	1608
70.0	692.6	742.2	790.4	865.3	928.7	1026	1319	1307	985.0	1216
72.5	511.3	581.1	566.7	594.7	689.4	761.3	840.1	738.7	797.7	945.1
75.0	356.7	377.2	410.9	456.1	484.0	536.5	547.2	584.3	591.7	637.8
77.5	243.0	243.1	247.3	265.9	332.7	366.1	408.4	400.8	392.1	402.7
80.0	156.4	148.5	143.3	173.7	201.9	247.3	251.4	243.9	223.5	203.6
82.5	89.32	68.21	75.68	91.73	117.2	132.3	129.3	99.05	64.60	27.40
85.0	34.70	40.24	42.28	49.62	54.24	31.59	0	0	0	0
87.5	7.201	20.90	19.86	0	0	0	0	0	0	0
90.0	6.630	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	44414	44414	44414	44414	44414	44414	44414	44414	44414	44414
2.5	43670	43652	43640	43633	43623	43616	43614	43617	43627	43629
5.0	42859	42856	42848	42850	42844	42842	42842	42835	42839	42830
7.5	41876	41875	41888	41910	41931	41963	41984	42005	42028	42033
10.0	40589	40652	40737	40825	40919	41011	41094	41164	41218	41248
12.5	39141	39337	39586	39816	40018	40183	40307	40386	40428	40429
15.0	37876	38249	38602	38917	39190	39398	39539	39616	39639	39589
17.5	36655	37154	37420	37354	37322	37312	37329	37341	37371	37385
20.0	34980	34871	34813	34798	34823	34876	34944	35024	35103	35165
22.5	32268	32199	32190	32323	32484	32617	32724	32802	32855	32886
25.0	29588	29760	29986	30184	30343	30461	30542	30590	30607	30595
27.5	27418	27691	27928	28079	28116	28163	28218	28280	28338	28365
30.0	25467	25685	25686	25701	25738	25794	25872	25964	26069	26147
32.5	23441	23412	23387	23375	23564	23738	23876	23990	24073	24104
35.0	21284	21238	21393	21570	21729	21863	21963	22037	22076	22063
37.5	19299	19500	19670	19818	19860	19899	19944	20005	20064	20076
40.0	17671	17862	17883	17855	17853	17872	17904	17967	18051	18094
42.5	16115	16031	15965	15909	15931	15961	15970	16000	16048	16069
45.0	14286	14186	14184	14205	14185	14136	14070	14042	14045	14043
47.5	12494	12604	12625	12579	12515	12427	12288	12178	12153	12197
50.0	11046	11165	11124	11068	10974	10800	10548	10325	10260	10267
52.5	9658	9675	9637	9587	9484	9225	8828	8477	8372	8560
55.0	8100	8150	8227	8253	8086	7694	7127	6636	6484	6762
57.5	6630	6809	6944	6961	6707	6214	5511	4856	4590	4898
60.0	5405	5555	5582	5575	5319	4766	3925	3087	2696	3036
62.5	4133	4123	4142	4222	4209	3847	3210	2586	2332	2626
65.0	2722	2819	2325	3549	3525	3192	2636	2128	1969	2270
67.5	1880	2330	2667	2892	2836	2572	2146	1744	1599	1817
70.0	1527	1833	2037	2172	2140	1957	1659	1361	1230	1356
72.5	1110	1285	1405	1479	1445	1309	1112	931.7	864.5	940.7
75.0	727.6	814.9	860.0	837.9	753.4	647.8	550.9	498.5	499.0	523.5
77.5	423.1	399.0	392.0	372.2	336.4	303.1	269.8	249.0	249.5	262.1
80.0	186.9	161.2	134.5	100.0	64.43	35.77	15.18	3.660	0	3.853
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:2024-11-11

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.938m [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	44414	44414	44414	44414	44414	44414	44414	44414	44414	44414
2.5	43637	43651	43672	43696	43718	43747	43782	43823	43870	43920
5.0	42835	42837	42846	42863	42880	42913	42950	42996	43058	43132
7.5	42039	42042	42031	42022	42004	41984	41967	41949	41957	42026
10.0	41258	41250	41225	41184	41129	41053	40974	40898	40817	40752
12.5	40397	40342	40270	40190	40110	40040	39929	39757	39587	39433
15.0	39492	39358	39195	39016	38835	38663	38512	38395	38273	38006
17.5	37403	37396	37390	37374	37350	37162	36902	36678	36511	36417
20.0	35207	35230	35225	35200	35151	35087	35010	34814	34548	34377
22.5	32902	32917	32944	32988	33010	32902	32766	32627	32504	32262
25.0	30567	30541	30525	30520	30543	30598	30610	30423	30253	30123
27.5	28357	28319	28232	28092	28037	28061	28139	28278	28107	27945
30.0	26192	26193	26140	26020	25849	25648	25559	25790	26004	25850
32.5	24107	24100	24064	24020	23883	23704	23482	23413	23604	23844
35.0	22036	22002	21952	21906	21880	21867	21663	21413	21289	21506
37.5	20069	20032	19937	19822	19814	19831	19886	19703	19384	19323
40.0	18132	18153	18121	18042	17923	17831	17897	17999	17809	17451
42.5	16131	16218	16294	16342	16281	16160	15984	16084	16269	15912
45.0	14119	14239	14368	14498	14615	14639	14492	14257	14384	14412
47.5	12348	12508	12593	12668	12840	12986	13079	12816	12461	12659
50.0	10649	10959	11167	11259	11257	11308	11392	11424	11125	11044
52.5	8983	9429	9752	9935	9960	9907	9674	9804	9913	9731
55.0	7337	7910	8305	8517	8600	8615	8382	8309	8448	8556
57.5	5628	6382	6883	7092	7122	7161	7117	7070	7028	7093
60.0	3920	4866	5505	5781	5739	5649	5661	5797	5818	5612
62.5	3295	3974	4404	4524	4456	4377	4278	4373	4580	4511
65.0	2847	3382	3693	3745	3509	3224	3074	3101	3223	3467
67.5	2281	2725	2970	2981	2778	2545	2207	1965	2124	2329
70.0	1688	2037	2252	2294	2155	1943	1659	1443	1243	1458
72.5	1141	1364	1530	1614	1577	1453	1258	1069	933.3	901.5
75.0	591.7	690.4	803.4	910.8	955.2	946.8	891.6	797.8	700.6	668.2
77.5	292.3	326.5	360.9	400.3	421.1	438.0	501.6	506.1	493.5	493.6
80.0	16.45	38.53	69.15	107.6	144.5	176.5	215.6	241.5	273.0	307.7
82.5	0	0	0	0	0	0	0	32.53	78.79	123.1
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	44414	44414	44414	44414	44414	44414	44414	44414	44414	44414
2.5	43971	44027	44089	44154	44223	44295	44369	44269	44171	44077
5.0	43213	43310	43423	43549	43689	43839	43999	43790	43592	43405
7.5	42113	42234	42383	42553	42752	42980	43232	42913	42619	42352
10.0	40698	40816	40978	41191	41453	41760	42109	41678	41290	40947
12.5	39298	39190	39281	39526	39834	40213	40659	40121	39650	39248
15.0	37761	37550	37398	37595	37955	38408	38950	38311	37760	37300
17.5	36116	35797	35543	35475	35872	36386	37016	36287	35672	35172
20.0	34310	33967	33603	33333	33633	34197	34899	34097	33432	33023
22.5	32133	32103	31635	31280	31346	31937	32686	31837	31146	30973
25.0	29954	29910	29704	29236	29025	29646	30449	29546	28824	28919
27.5	27793	27680	27726	27170	26736	27320	28161	27225	26543	26860
30.0	25603	25433	25440	25142	24637	25037	25899	24947	24451	24844
32.5	23525	23254	23233	23200	22618	22833	23698	22751	22444	22918
35.0	21607	21272	21147	21286	20700	20703	21588	20632	20541	21027
37.5	19599	19447	19100	19164	18653	18401	19357	18337	18517	18945
40.0	17473	17643	17004	16966	16771	16458	17231	16390	16633	16761
42.5	15376	15617	15400	15279	15312	14876	15621	14805	15167	15063
45.0	13880	13861	14034	13776	13981	13417	14148	13345	13830	13554
47.5	12707	12304	12675	12419	12588	12111	12780	12038	12436	12199
50.0	11434	11120	11148	11136	11155	10710	11388	10639	11006	10928
52.5	9816	10042	9530	9761	9476	9184	9741	9117	9334	9567
55.0	8294	8605	8126	8359	7898	7676	8222	7641	7802	8184
57.5	7082	6912	7043	6658	5648	5377	5761	5449	5757	6572
60.0	5801	5495	5748	4385	3552	3017	2814	3142	3760	4491
62.5	4287	4323	3730	2753	2167	1780	1638	1842	2306	2888
65.0	3137	2905	2279	1943	1495	1336	1321	1335	1527	2023
67.5	2364	1692	1622	1298	1087	1049	1071	1036	1074	1312
70.0	1493	1299	1061	897.3	833.4	825.1	864.5	812.0	816.3	880.3
72.5	960.7	882.3	788.8	736.6	694.7	625.1	679.3	611.4	678.5	719.7
75.0	666.6	626.3	587.3	497.3	469.5	468.0	490.8	461.7	474.4	499.6
77.5	471.6	447.2	387.6	357.5	298.7	308.6	338.5	323.4	328.2	370.3

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-11

V(β) Range:-75 - 75DEG

V(β) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.938m [K=1.0000]

Remarks:

Photometric Data Table [cd]

80.0	325.9	296.2	252.0	192.6	158.1	157.2	226.8	199.1	201.5	214.1
82.5	159.3	173.4	154.4	115.3	95.88	78.61	140.8	111.6	115.4	125.7
85.0	0	38.73	61.63	64.79	48.08	38.20	58.85	43.65	43.20	59.76
87.5	0	0	0	0	15.85	18.87	14.29	10.73	5.653	0
90.0	0	0	0	0	0	0	5.275	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	44414	44414	44414	44414	44414	44414	44414	44414	44414	44414
2.5	43987	43901	43822	43748	43677	43610	43551	43499	43455	43419
5.0	43231	43072	42929	42804	42689	42586	42503	42431	42367	42322
7.5	42116	41901	41716	41565	41434	41363	41320	41280	41247	41218
10.0	40652	40408	40208	40174	40151	40147	40140	40140	40141	40127
12.5	38908	38718	38723	38754	38803	38865	38930	38943	38923	38916
15.0	36997	37032	37122	37243	37387	37396	37399	37433	37488	37555
17.5	35124	35253	35439	35605	35573	35606	35692	35820	35890	35833
20.0	33170	33408	33619	33561	33592	33706	33775	33758	33740	33702
22.5	31206	31536	31444	31442	31544	31567	31600	31628	31639	31535
25.0	29268	29362	29291	29324	29350	29426	29504	29395	29250	29143
27.5	27292	27133	27120	27201	27277	27338	27120	26951	26831	26783
30.0	25031	24912	24982	25152	25239	24948	24725	24614	24691	24738
32.5	22850	22763	22968	23208	22909	22654	22614	22699	22751	22760
35.0	20799	20838	21103	20950	20678	20708	20834	20893	20818	20772
37.5	18797	19065	19149	18830	18828	19042	19106	18958	18858	18804
40.0	16739	17306	17088	17004	17289	17390	17197	17049	17051	17097
42.5	15129	15302	15017	15502	15774	15527	15346	15425	15458	15457
45.0	13761	13546	13516	14016	13923	13737	13870	13926	13837	13679
47.5	12409	11994	12337	12250	12028	12300	12465	12297	12110	11910
50.0	10902	10823	11070	10651	10680	10904	10816	10644	10562	10529
52.5	9303	9760	9487	9353	9468	9302	9120	9276	9297	9234
55.0	7920	8350	7997	8197	8030	7823	7845	8017	7976	7859
57.5	6858	6671	6799	6762	6644	6616	6602	6605	6542	6480
60.0	5623	5271	5520	5303	5473	5379	5189	5139	5197	5198
62.5	3738	4108	4008	4230	4272	4012	3848	3887	3946	3973
65.0	2313	2742	2893	3227	2955	2782	2669	2760	3055	3286
67.5	1627	1589	2168	2142	1892	1676	1859	2166	2400	2609
70.0	1040	1229	1372	1317	1049	1214	1389	1644	1850	1995
72.5	763.3	843.7	890.7	803.5	798.7	889.9	1049	1224	1345	1389
75.0	567.5	598.4	619.6	600.5	600.9	659.0	736.4	789.6	800.9	762.1
77.5	377.0	423.3	436.0	437.9	419.1	413.9	403.7	353.6	338.9	319.8
80.0	246.9	273.4	293.1	265.9	225.8	195.1	169.4	141.7	116.3	86.00
82.5	146.0	150.5	133.1	102.9	64.80	26.37	0	0	0	0
85.0	49.30	31.40	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	44414	44414	44414	44414	44414	44414	44414	44414	44414	44414
2.5	43385	43355	43334	43321	43317	43308	43308	43315	43331	43351
5.0	42280	42250	42232	42218	42220	42216	42229	42238	42255	42279
7.5	41186	41163	41133	41110	41096	41071	41056	41050	41041	41050
10.0	40109	40084	40051	40013	39972	39913	39851	39788	39730	39685
12.5	38915	38917	38915	38902	38876	38828	38754	38655	38536	38406
15.0	37627	37691	37742	37775	37781	37748	37675	37562	37415	37243
17.5	35777	35716	35666	35608	35566	35522	35497	35483	35515	35580
20.0	33648	33585	33508	33428	33351	33264	33189	33146	33132	33156
22.5	31418	31328	31260	31161	31107	31040	30972	30893	30802	30802
25.0	29065	29013	28986	28975	28971	28959	28930	28890	28828	28745
27.5	26819	26826	26813	26790	26762	26726	26696	26683	26688	26717
30.0	24745	24719	24676	24614	24553	24489	24445	24412	24416	24443
32.5	22729	22714	22704	22692	22673	22621	22550	22456	22342	22207
35.0	20751	20747	20760	20778	20793	20774	20737	20678	20600	20491
37.5	18852	18891	18910	18914	18901	18860	18834	18821	18828	18825
40.0	17121	17112	17087	17053	17009	16941	16910	16910	16931	16967
42.5	15375	15278	15200	15152	15128	15083	15079	15099	15109	15124
45.0	13535	13402	13301	13249	13248	13231	13278	13363	13446	13501
47.5	11818	11705	11551	11435	11405	11436	11567	11729	11851	11952
50.0	10394	10147	9851	9630	9563	9649	9891	10169	10373	10492
52.5	8995	8613	8171	7832	7719	7863	8229	8651	8941	9054
55.0	7581	7097	6510	6040	5876	6082	6585	7172	7589	7754
57.5	6186	5566	4800	4210	4045	4368	5030	5750	6254	6489
60.0	4821	4039	3090	2381	2215	2664	3504	4363	4908	5115
62.5	3778	3233	2555	2042	1903	2216	2842	3494	3841	3766
65.0	3184	2775	2219	1759	1591	1810	2319	2885	3207	3159
67.5	2562	2235	1776	1411	1296	1482	1882	2313	2567	2566
70.0	1928	1655	1307	1056	1000	1152	1447	1747	1920	1909

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-11

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.938m [K=1.0000]

Remarks:

Photometric Data Table [cd]

72.5	1294	1096	879.7	732.1	697.7	776.9	952.6	1146	1275	1285
75.0	657.0	538.4	450.7	406.9	395.4	397.2	443.5	531.0	636.0	712.5
77.5	285.2	250.8	222.1	203.6	197.7	198.1	214.4	240.1	272.0	306.1
80.0	54.67	29.61	12.50	2.994	0	2.911	12.07	28.35	52.16	82.33
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	44414	44414	44414	44414	44414	44414	44414	44414	44414	44414
2.5	43369	43396	43429	43470	43518	43569	43621	43680	43746	43817
5.0	42302	42338	42374	42415	42470	42533	42601	42683	42780	42892
7.5	41067	41100	41152	41224	41298	41343	41397	41475	41576	41693
10.0	39659	39644	39658	39706	39779	39896	40049	40103	40172	40279
12.5	38266	38120	38032	38023	38061	38153	38298	38502	38608	38679
15.0	37045	36825	36594	36364	36192	36239	36359	36551	36831	36901
17.5	35688	35544	35224	34886	34556	34251	34268	34445	34721	35002
20.0	33224	33340	33506	33403	32960	32552	32192	32256	32523	32910
22.5	30747	30818	30951	31152	31386	30867	30393	30006	30250	30626
25.0	28633	28497	28427	28614	28877	29214	28628	28106	27969	28335
27.5	26647	26505	26349	26183	26384	26714	26913	26284	25767	26101
30.0	24489	24562	24451	24260	24059	24279	24667	24508	23890	23876
32.5	22272	22364	22472	22456	22218	21968	22311	22763	22101	21751
35.0	20357	20239	20365	20513	20518	20212	20089	20520	20422	19752
37.5	18719	18581	18437	18538	18695	18605	18229	18362	18752	17864
40.0	17020	17023	16895	16765	16837	16960	16589	16203	16664	16280
42.5	15197	15289	15413	15280	15091	15033	15061	14619	14859	14934
45.0	13504	13538	13671	13797	13561	13289	13467	13333	13224	13698
47.5	12018	12027	11931	12053	12149	11959	11959	12144	11746	12260
50.0	10573	10644	10524	10369	10524	10713	10576	10716	10511	10651
52.5	9112	9190	9179	9101	9007	9257	9316	9192	9249	8922
55.0	7723	7668	7696	7899	7841	7684	8018	7730	7888	7347
57.5	6454	6344	6264	6447	6695	6421	6374	6512	6332	5838
60.0	5116	5111	5052	5083	5213	5295	4904	5101	4612	4206
62.5	3700	3717	3806	3928	3909	3971	3763	3435	3263	2527
65.0	2842	2453	2456	2726	2895	2819	2600	2220	2096	1443
67.5	2338	2024	1666	1492	1852	2030	1669	1456	1188	1033
70.0	1777	1589	1352	1126	963.2	1254	1220	953.1	876.1	813.9
72.5	1216	1110	985.4	874.6	775.8	732.1	800.8	722.1	650.0	563.4
75.0	735.0	700.4	646.6	592.1	571.3	574.3	536.5	511.0	457.9	435.8
77.5	325.6	336.9	367.6	371.5	371.5	387.6	396.5	347.6	322.1	274.1
80.0	111.7	136.2	160.5	178.0	199.3	227.5	237.2	232.9	202.1	190.6
82.5	0	0	0	23.95	57.13	88.95	116.0	122.3	114.9	105.0
85.0	0	0	0	0	0	0	0	28.54	46.45	46.27
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	350.0	355.0								
0.0	44414	44414								
2.5	43894	43975								
5.0	43018	43159								
7.5	41838	42011								
10.0	40426	40616								
12.5	38798	38977								
15.0	36977	37132								
17.5	35025	35143								
20.0	32972	33025								
22.5	30848	30832								
25.0	28743	28691								
27.5	26642	26564								
30.0	24409	24446								
32.5	22267	22414								
35.0	20155	20391								
37.5	17970	18285								
40.0	16142	16548								
42.5	14564	15050								
45.0	13068	13644								
47.5	11760	12197								
50.0	10403	10641								
52.5	9006	9016								
55.0	7671	7236								
57.5	5755	4550								
60.0	3188	2224								
62.5	1688	1391								

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-11

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.938m [K=1.0000]

Remarks:

Photometric Data Table [cd]

65.0	1155	1091
67.5	935.7	890.0
70.0	757.7	729.6
72.5	542.9	570.3
75.0	397.2	373.6
77.5	261.5	249.6
80.0	180.1	176.6
82.5	96.06	99.19
85.0	42.35	46.53
87.5	11.32	12.70
90.0	0	0

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

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [K=1.0000]
Remarks: