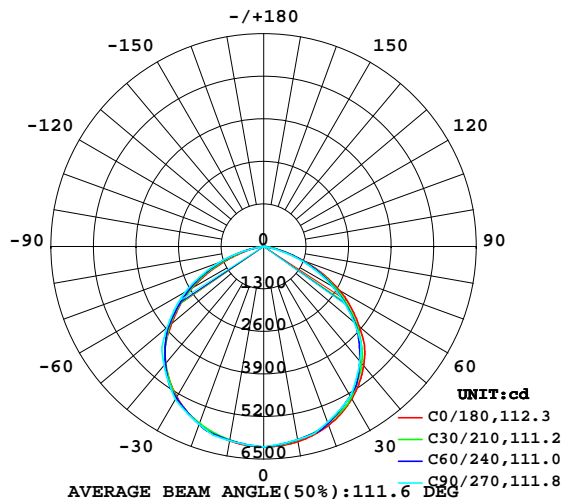


LUMINAIRE PHOTOMETRIC TEST REPORT

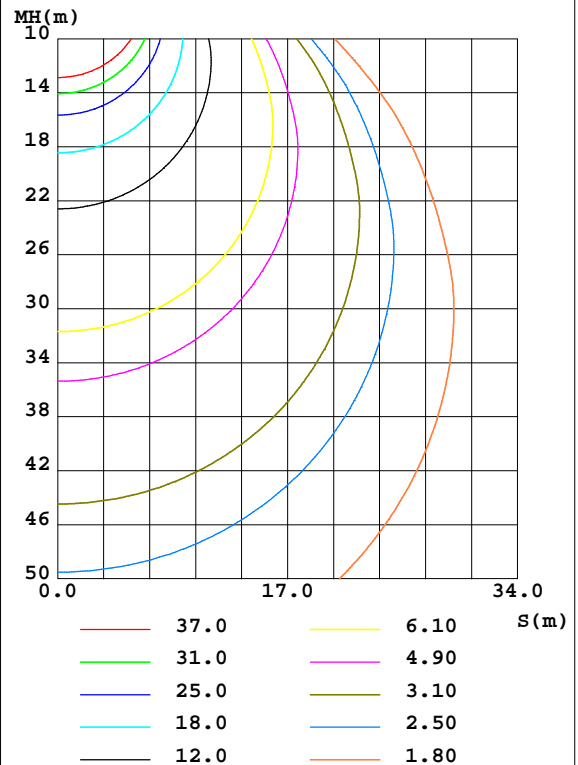
Test:U:120.02V I:0.9370A P:100.16W PF:0.8907 Freq:59.98Hz Lamp Flux:16697.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 166.70 lm/W			
MODEL	GST-16-U1	Imax(cd)	6129	S/MH(C0/180)	1.29
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	16697	η UP,DN(C0-180)	0.0,48.9
NOMINAL FLUX(lm)	16697.1	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,51.1
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-15

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	6058	5996	5993	5981	6034	6005	6023	6017	0- 10	578.0	578.0	3.46,3.46
20	5810	5781	5717	5752	5765	5797	5781	5823	10- 20	1670	2248	13.5,13.5
30	5381	5286	5297	5238	5311	5316	5402	5357	20- 30	2563	4811	28.8,28.8
40	4757	4671	4576	4608	4666	4721	4739	4777	30- 40	3139	7951	47.6,47.6
50	3816	3672	3615	3589	3675	3742	3858	3849	40- 50	3264	11215	67.2,67.2
60	2661	2497	2415	2401	2495	2598	2759	2724	50- 60	2819	14034	84.1,84.1
70	1318	1236	1154	1132	1140	1342	1451	1453	60- 70	1893	15927	95.4,95.4
80	270.9	204.9	0	161.2	208.4	260.7	0	291.6	70- 80	731.9	16659	99.8,99.8
90	4.126	0	0	0	4.613	0	0	0	80- 90	38.23	16697	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 9601.8 lm

%lum = 57.5%

%lamp = 57.5%

Conical surface Flux(120deg): 14034 lm

%lum = 84.1%

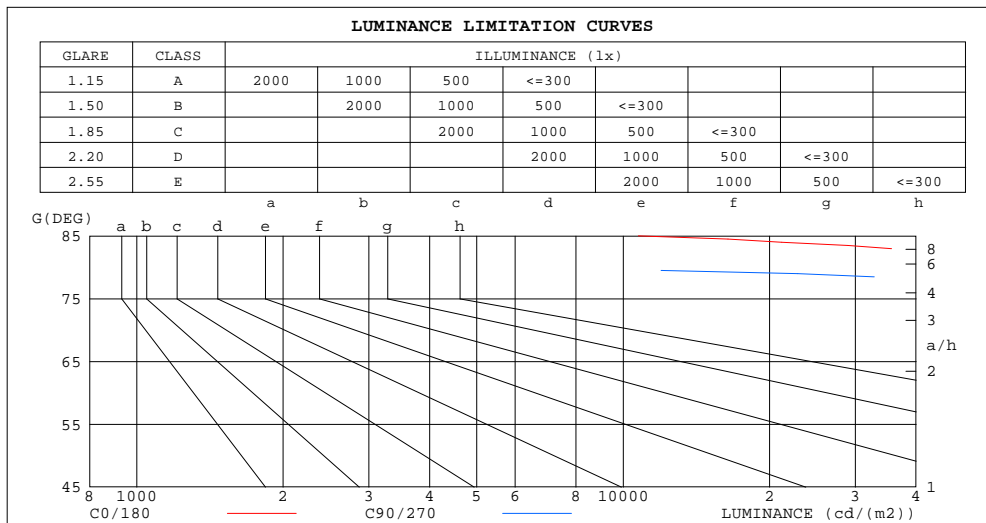
%lamp = 84.1%

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-15

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:120.02V I:0.9370A P:100.16W PF:0.8907 Freq:59.98Hz Lamp Flux:16697.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



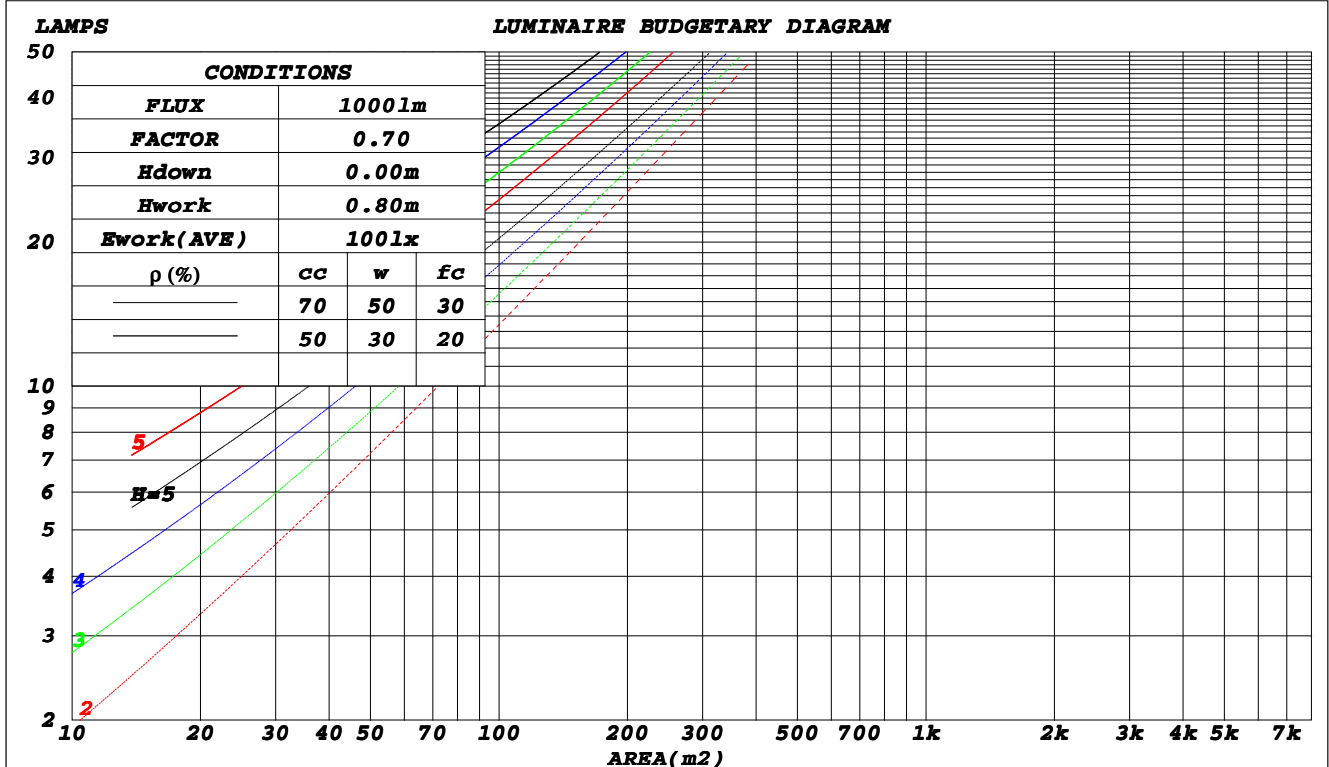
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-15

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:120.02V I:0.9370A P:100.16W PF:0.8907 Freq:59.98Hz Lamp Flux:16697.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W	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	1.00
1.0	1.06	1.02	.98	1.03	.90	.97	.99	.96	.94	.95	.93	.91	.92	.90	.88	.86
2.0	.93	.86	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.78	.75	.73
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.74	.69	.65	.72	.68	.64	.62
4.0	.73	.64	.58	.71	.63	.57	.69	.62	.56	.66	.60	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.49	.62	.54	.49	.60	.53	.48	.58	.52	.48	.46
6.0	.58	.50	.43	.57	.49	.43	.56	.48	.43	.54	.47	.42	.52	.47	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.37	.35
8.0	.48	.40	.34	.48	.40	.34	.46	.39	.34	.45	.38	.34	.44	.38	.33	.32
9.0	.44	.36	.31	.44	.36	.31	.43	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.37	.32	.27	.26



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-15

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:120.02V I:0.9370A P:100.16W PF:0.8907 Freq:59.98Hz Lamp Flux:16697.1x1 lm					
NAME: LED Explosion-proof Light			TYPE:Flood Light		WEIGHT:N/A
SPEC.:100W			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	.278	.158	.050	.271	.154	.049	.258	.148	.047	.245	.142	.045	.234	.136	.044		
2.0	.270	.148	.045	.264	.146	.045	.253	.141	.044	.242	.136	.043	.232	.131	.041		
3.0	.255	.136	.041	.250	.134	.040	.239	.130	.039	.230	.126	.039	.221	.123	.038		
4.0	.238	.124	.036	.234	.122	.036	.225	.119	.036	.216	.116	.035	.208	.113	.034		
5.0	.222	.113	.033	.218	.112	.033	.210	.109	.032	.203	.107	.032	.196	.105	.031		
6.0	.208	.104	.030	.204	.103	.030	.197	.101	.029	.190	.099	.029	.184	.097	.029		
7.0	.194	.096	.027	.191	.095	.027	.184	.093	.027	.178	.091	.027	.173	.090	.026		
8.0	.182	.089	.025	.179	.088	.025	.173	.087	.025	.168	.085	.025	.163	.084	.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	.150	.074	.021	.146	.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	.029	.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	.122	.064	.026	.105	.056	.022	.073	.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:2024-10-15

$V(B)$ 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:120.02V I:0.9370A P:100.16W PF:0.8907 Freq:59.98Hz Lamp Flux:16697.1x1 lm										
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:100W					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	23.5	22.3	23.7	23.9	21.8	23.2	22.0	23.4	23.6
3H	23.1	24.5	23.4	24.7	24.9	22.7	24.1	23.0	24.3	24.6
4H	23.3	24.6	23.7	24.9	25.1	22.9	24.2	23.2	24.4	24.7
6H	23.4	24.6	23.7	24.9	25.1	22.9	24.1	23.2	24.3	24.6
8H	23.4	24.5	23.7	24.8	25.1	22.8	24.0	23.1	24.2	24.5
12H	23.3	24.4	23.7	24.7	25.0	22.8	23.9	23.1	24.2	24.5
4H 2H	22.5	23.8	22.8	24.0	24.3	22.3	23.6	22.6	23.8	24.1
3H	23.7	24.8	24.0	25.1	25.4	23.4	24.5	23.7	24.8	25.1
4H	24.0	25.0	24.3	25.3	25.6	23.6	24.6	24.0	24.9	25.3
6H	24.1	25.0	24.5	25.3	25.7	23.6	24.5	24.0	24.8	25.2
8H	24.1	24.9	24.5	25.2	25.6	23.5	24.4	23.9	24.7	25.1
12H	24.0	24.8	24.4	25.2	25.6	23.5	24.3	23.9	24.6	25.0
8H 4H	24.0	24.9	24.4	25.2	25.6	23.7	24.5	24.1	24.9	25.3
6H	24.2	24.9	24.6	25.3	25.7	23.7	24.4	24.1	24.8	25.2
8H	24.2	24.8	24.6	25.2	25.7	23.6	24.2	24.1	24.7	25.1
12H	24.2	24.7	24.6	25.1	25.6	23.6	24.1	24.1	24.6	25.0
12H 4H	24.0	24.8	24.4	25.1	25.5	23.7	24.4	24.1	24.8	25.2
6H	24.1	24.7	24.6	25.2	25.6	23.7	24.3	24.1	24.7	25.1
8H	24.2	24.7	24.6	25.1	25.6	23.6	24.1	24.1	24.6	25.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.4				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.5				
2.0H	+ 0.5 / - 0.5					+ 0.5 / - 0.5				

CIE Pub.117, 16697 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 9.8$)
Area: 0.024 m²

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-15

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:120.02V I:0.9370A P:100.16W PF:0.8907 Freq:59.98Hz Lamp Flux:16697.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

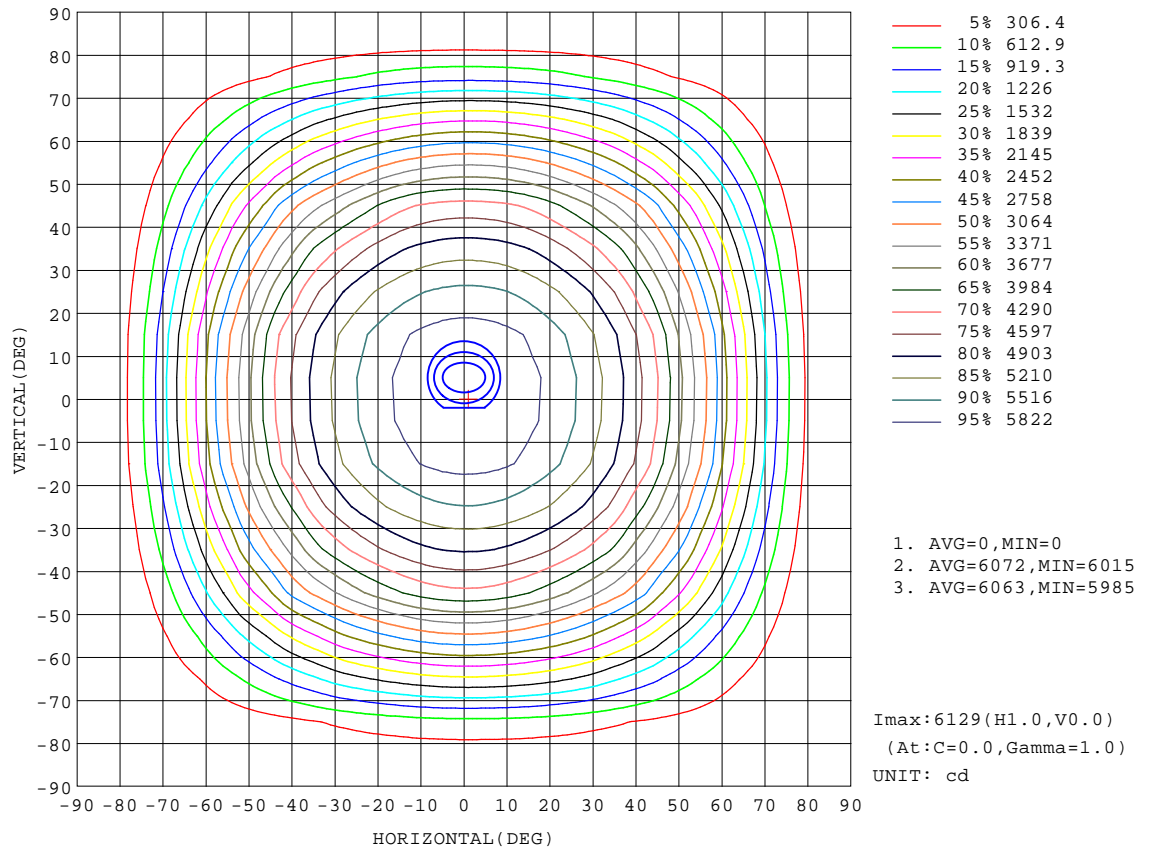
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	58	47	41	57	47	40	34
0.80	69	58	51	68	58	51	67	57	50	44
1.00	78	67	60	77	67	60	75	68	60	53
1.25	85	75	69	84	75	68	81	73	67	60
1.50	90	81	74	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	107	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:2024-10-15

$V(B)$ 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:120.02V I:0.9370A P:100.16W PF:0.8907 Freq:59.98Hz Lamp Flux:16697.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



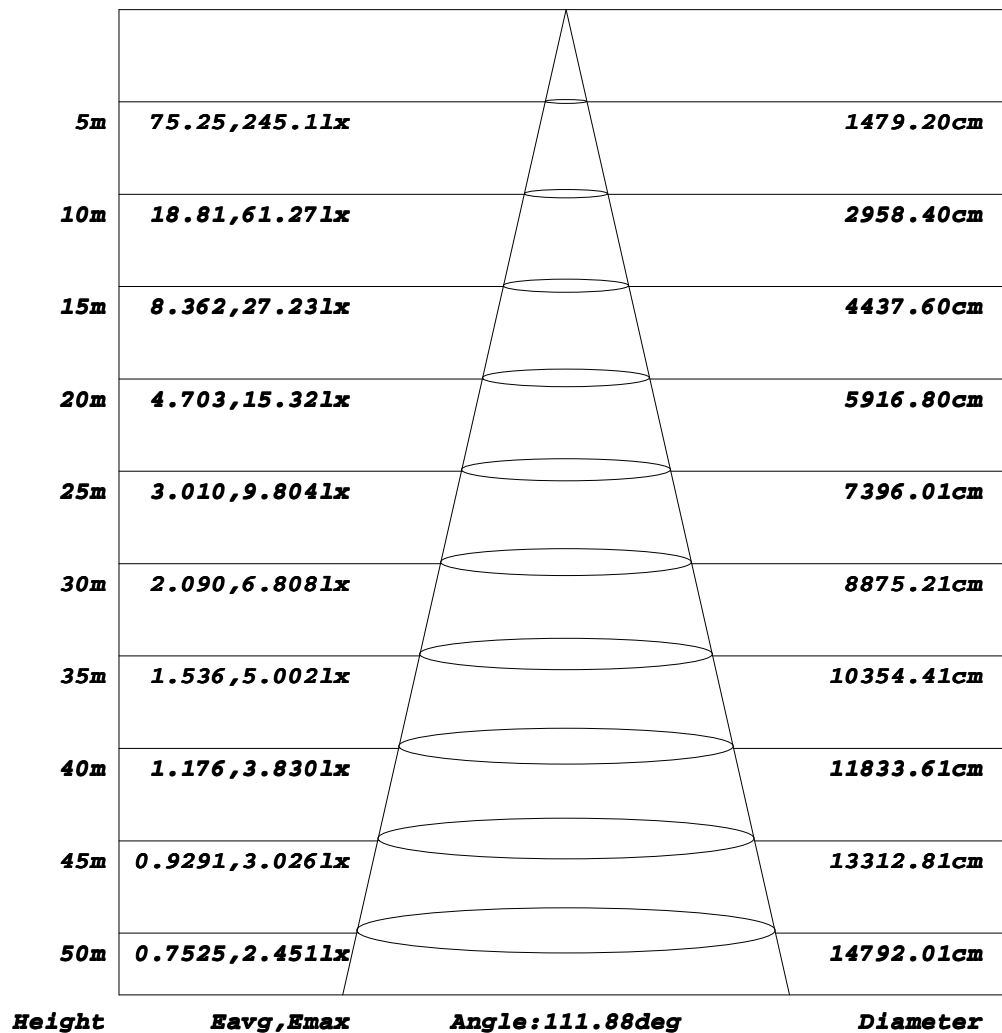
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-15

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:120.02V I:0.9370A P:100.16W PF:0.8907 Freq:59.98Hz Lamp Flux:16697.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:12991 lm



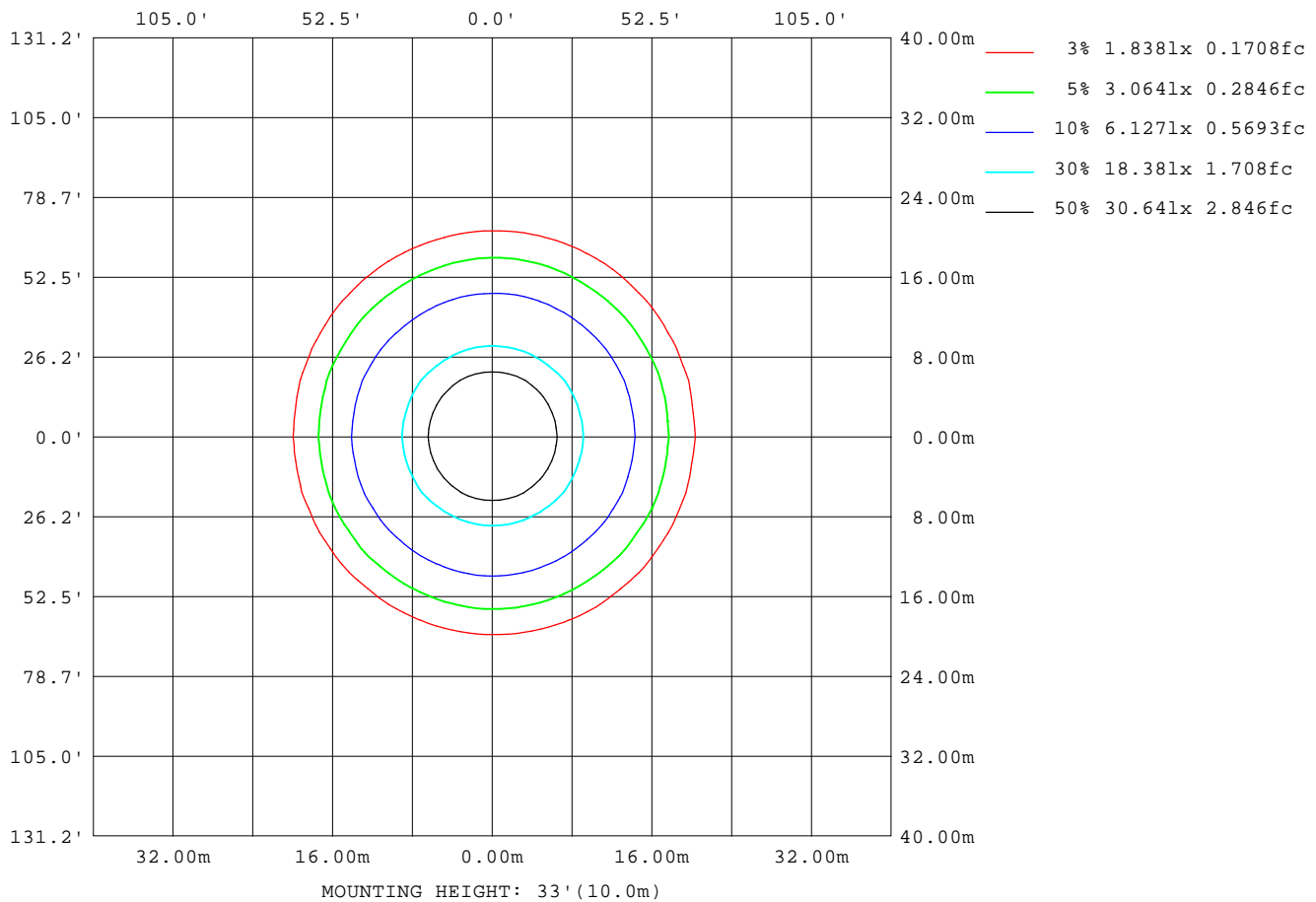
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessy
Test Date: 2024-10-15

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:120.02V I:0.9370A P:100.16W PF:0.8907 Freq:59.98Hz Lamp Flux:16697.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W	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:2024-10-15

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:120.02V I:0.9370A P:100.16W PF:0.8907 Freq:59.98Hz Lamp Flux:16697.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:100W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

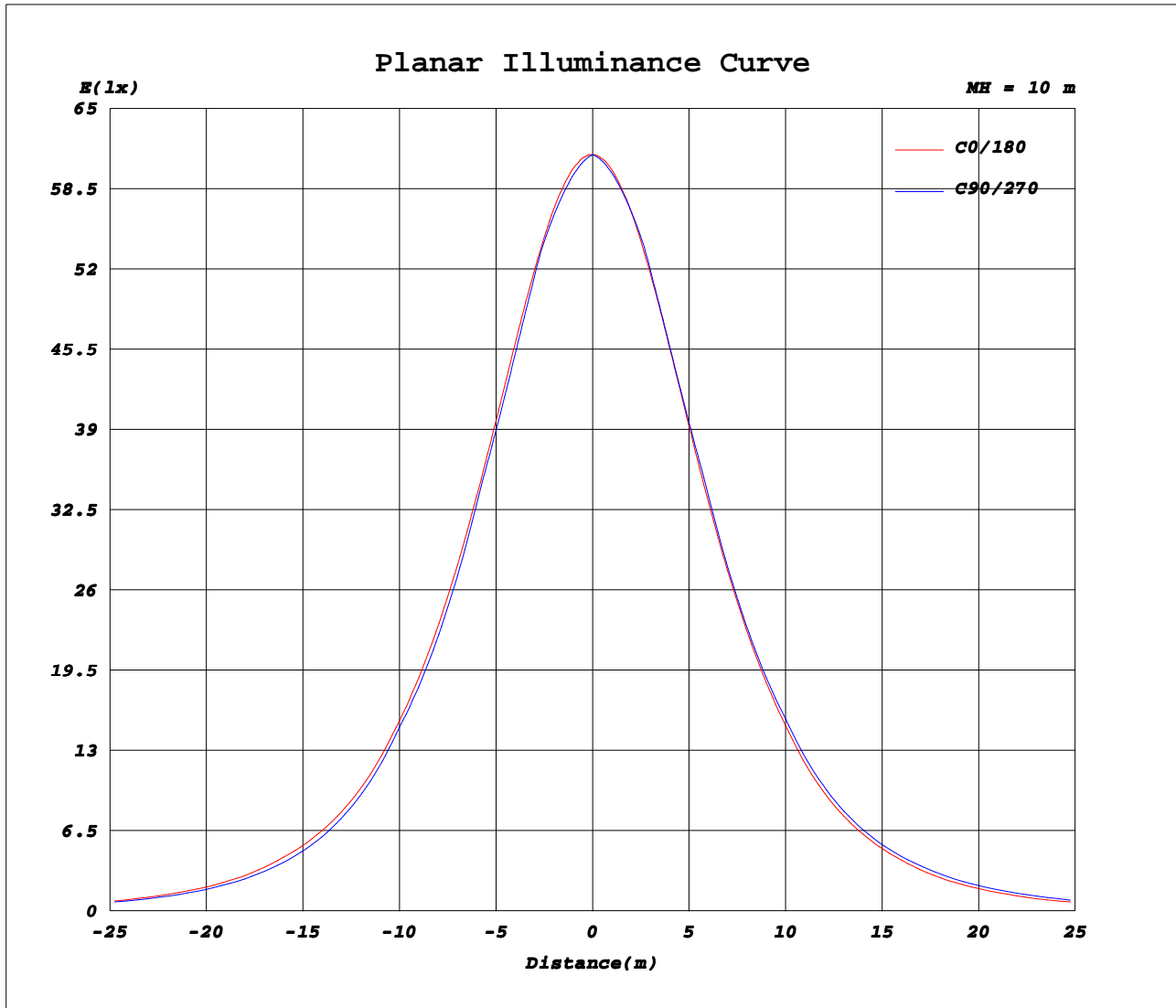
AvgL	cd/m2
L_0~180(65)av	188837
L_0~180(75)av	103254
L_0~180(85)av	10548
L_90~270(65)av	191731
L_90~270(75)av	106280
L_90~270(85)av	0
L_45(65)av	188062
L_45(75)av	118843
L_45(85)av	0

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:2024-10-15

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:2024-10-15

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	6127	6127	6127	6127	6127	6127	6127	6127	6127	6127
2.5	6124	6121	6118	6115	6113	6110	6108	6105	6103	6102
5.0	6110	6104	6099	6094	6089	6084	6080	6076	6073	6071
7.5	6089	6080	6072	6064	6057	6052	6048	6045	6041	6037
10.0	6058	6046	6036	6026	6017	6009	6006	6004	6000	5996
12.5	6010	5996	5985	5976	5967	5960	5956	5955	5953	5951
15.0	5957	5940	5925	5914	5905	5899	5896	5897	5898	5901
17.5	5889	5869	5854	5843	5833	5828	5829	5832	5836	5844
20.0	5810	5788	5772	5761	5754	5750	5754	5758	5768	5781
22.5	5724	5698	5679	5667	5663	5663	5670	5680	5696	5674
25.0	5622	5594	5574	5565	5562	5566	5578	5595	5570	5550
27.5	5507	5477	5457	5449	5451	5459	5477	5458	5437	5421
30.0	5381	5349	5330	5324	5330	5343	5342	5315	5296	5286
32.5	5244	5210	5191	5188	5198	5218	5185	5164	5151	5147
35.0	5094	5057	5039	5039	5056	5051	5020	5005	5000	5003
37.5	4930	4891	4875	4882	4904	4870	4847	4838	4841	4853
40.0	4757	4714	4699	4709	4714	4675	4664	4665	4679	4671
42.5	4567	4522	4509	4528	4495	4452	4460	4485	4491	4430
45.0	4365	4303	4288	4324	4261	4214	4222	4284	4235	4181
47.5	4102	4038	4024	4043	4000	3973	3971	3988	3970	3926
50.0	3816	3757	3748	3748	3718	3716	3715	3690	3694	3672
52.5	3541	3485	3486	3466	3445	3457	3425	3412	3417	3413
55.0	3269	3214	3224	3185	3180	3178	3127	3139	3151	3146
57.5	2989	2933	2949	2881	2907	2871	2827	2843	2884	2823
60.0	2661	2600	2609	2570	2582	2558	2529	2543	2546	2497
62.5	2318	2269	2261	2248	2231	2227	2228	2200	2200	2172
65.0	1998	1948	1926	1928	1899	1893	1901	1866	1861	1846
67.5	1643	1606	1589	1588	1577	1575	1565	1536	1532	1521
70.0	1318	1287	1261	1256	1250	1250	1231	1213	1213	1236
72.5	991.0	967.4	959.5	940.3	945.2	942.5	918.2	923.7	949.1	963.1
75.0	699.0	675.2	664.6	664.6	670.8	651.0	659.5	691.4	699.1	697.3
77.5	453.6	438.9	440.0	439.3	430.7	432.6	463.4	472.0	460.1	437.9
80.0	270.9	257.4	256.4	258.5	257.8	275.7	281.5	265.3	229.4	204.9
82.5	129.2	118.8	128.7	133.2	140.6	134.0	114.5	95.46	64.57	27.59
85.0	22.47	27.52	43.61	59.52	41.27	25.85	0	0	0	0
87.5	4.881	10.36	11.85	0	0	0	0	0	0	0
90.0	4.126	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	6127	6127	6127	6127	6127	6127	6127	6127	6127	6127
2.5	6101	6099	6098	6097	6096	6096	6095	6094	6094	6094
5.0	6070	6069	6066	6064	6063	6062	6062	6061	6060	6060
7.5	6034	6031	6030	6031	6029	6028	6028	6027	6027	6026
10.0	5996	5996	5994	5993	5994	5994	5994	5994	5993	5991
12.5	5955	5952	5956	5957	5957	5959	5960	5960	5960	5957
15.0	5905	5909	5913	5917	5921	5922	5926	5926	5926	5923
17.5	5851	5862	5861	5848	5840	5832	5827	5823	5822	5820
20.0	5777	5762	5752	5741	5731	5727	5721	5718	5717	5715
22.5	5659	5646	5637	5630	5623	5620	5616	5613	5612	5610
25.0	5535	5528	5520	5517	5514	5512	5511	5509	5507	5504
27.5	5411	5404	5403	5403	5404	5403	5405	5403	5402	5398
30.0	5281	5280	5282	5285	5291	5294	5299	5298	5297	5292
32.5	5148	5153	5161	5169	5149	5133	5126	5120	5117	5114
35.0	5013	5022	4993	4970	4955	4947	4942	4939	4936	4933
37.5	4854	4812	4783	4765	4757	4758	4758	4756	4756	4751
40.0	4623	4590	4566	4558	4559	4565	4573	4577	4576	4570
42.5	4386	4361	4348	4347	4358	4372	4387	4395	4395	4388
45.0	4143	4129	4125	4134	4155	4179	4201	4214	4215	4206
47.5	3898	3889	3899	3917	3921	3921	3920	3919	3915	3911
50.0	3649	3651	3643	3627	3621	3620	3620	3619	3615	3610
52.5	3398	3362	3342	3329	3321	3320	3320	3319	3315	3309
55.0	3090	3059	3042	3031	3023	3022	3021	3019	3015	3009
57.5	2779	2757	2743	2735	2726	2724	2722	2719	2715	2708
60.0	2464	2455	2445	2440	2431	2428	2423	2420	2415	2408
62.5	2146	2150	2149	2146	2130	2120	2110	2105	2100	2093
65.0	1828	1843	1846	1834	1818	1807	1796	1789	1784	1779
67.5	1524	1536	1537	1524	1507	1494	1482	1474	1469	1465
70.0	1235	1236	1231	1215	1197	1182	1168	1159	1154	1151
72.5	951.9	940.9	928.0	908.1	887.7	870.5	854.2	843.1	838.6	836.7
75.0	673.7	650.7	626.9	602.6	578.5	559.3	540.6	527.7	523.3	522.9
77.5	400.3	364.1	343.6	327.4	308.3	291.5	275.8	265.2	261.7	262.7
80.0	178.2	149.3	118.2	87.87	58.95	34.35	15.50	3.897	0	3.861
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0

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

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-10-15

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	6127	6127	6127	6127	6127	6127	6127	6127	6127	6127
2.5	6094	6094	6094	6095	6096	6097	6098	6099	6101	6102
5.0	6060	6060	6060	6061	6061	6062	6064	6066	6068	6071
7.5	6025	6025	6024	6024	6024	6025	6026	6027	6028	6031
10.0	5991	5989	5987	5986	5986	5983	5981	5981	5982	5983
12.5	5956	5952	5949	5946	5941	5937	5934	5931	5930	5931
15.0	5921	5914	5911	5902	5895	5889	5883	5877	5872	5869
17.5	5821	5822	5825	5831	5841	5837	5827	5815	5807	5801
20.0	5714	5716	5716	5721	5727	5737	5748	5752	5735	5726
22.5	5607	5606	5606	5609	5613	5617	5628	5643	5658	5643
25.0	5500	5497	5495	5492	5492	5496	5502	5512	5529	5554
27.5	5393	5388	5384	5377	5371	5369	5371	5377	5391	5412
30.0	5286	5278	5266	5257	5248	5240	5236	5238	5246	5261
32.5	5114	5117	5124	5136	5121	5109	5099	5093	5095	5104
35.0	4930	4929	4930	4935	4952	4973	4956	4946	4938	4941
37.5	4745	4740	4733	4733	4741	4761	4795	4790	4776	4770
40.0	4560	4546	4533	4523	4524	4537	4566	4608	4607	4590
42.5	4375	4352	4331	4314	4306	4310	4328	4361	4414	4400
45.0	4189	4160	4127	4101	4083	4080	4085	4110	4153	4179
47.5	3907	3900	3894	3885	3858	3840	3836	3851	3878	3874
50.0	3604	3595	3588	3589	3602	3602	3584	3589	3596	3581
52.5	3302	3292	3283	3283	3292	3305	3330	3326	3319	3304
55.0	3000	2989	2979	2977	2984	2995	3011	3060	3059	3025
57.5	2698	2686	2676	2672	2677	2683	2690	2731	2794	2727
60.0	2397	2384	2374	2369	2372	2372	2368	2401	2439	2427
62.5	2085	2076	2070	2066	2070	2060	2046	2071	2085	2082
65.0	1773	1765	1762	1761	1767	1748	1724	1740	1740	1746
67.5	1461	1456	1455	1458	1465	1449	1423	1408	1406	1418
70.0	1149	1147	1148	1155	1165	1155	1143	1132	1094	1096
72.5	837.7	838.3	843.0	854.8	868.6	868.6	870.5	870.7	847.3	811.6
75.0	526.6	530.3	539.0	555.4	575.0	588.1	603.8	618.2	614.5	596.7
77.5	268.2	274.6	283.5	294.2	303.5	312.1	342.2	372.5	392.8	396.3
80.0	15.07	32.33	54.19	78.86	104.1	126.9	146.2	161.2	180.3	209.8
82.5	0	0	0	0	0	0	0	21.69	49.78	68.92
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	6127	6127	6127	6127	6127	6127	6127	6127	6127	6127
2.5	6104	6106	6108	6111	6113	6116	6119	6117	6115	6113
5.0	6074	6078	6082	6086	6091	6097	6102	6098	6094	6090
7.5	6034	6038	6043	6049	6056	6063	6072	6066	6060	6055
10.0	5986	5989	5995	6003	6012	6023	6034	6026	6018	6011
12.5	5932	5935	5940	5947	5957	5968	5982	5972	5964	5958
15.0	5867	5870	5875	5880	5889	5902	5919	5907	5898	5893
17.5	5795	5796	5798	5803	5814	5829	5849	5834	5824	5818
20.0	5716	5713	5712	5717	5728	5744	5765	5749	5739	5734
22.5	5629	5620	5615	5618	5628	5644	5669	5651	5640	5637
25.0	5533	5518	5510	5511	5519	5537	5564	5544	5534	5532
27.5	5427	5408	5394	5391	5398	5414	5441	5421	5414	5415
30.0	5286	5289	5268	5263	5280	5311	5290	5290	5282	5287
32.5	5125	5156	5132	5117	5118	5134	5167	5144	5138	5148
35.0	4955	4981	4986	4965	4977	4977	5012	4988	4984	4998
37.5	4775	4796	4830	4801	4793	4807	4844	4819	4817	4838
40.0	4583	4589	4633	4627	4614	4626	4666	4640	4640	4667
42.5	4363	4356	4407	4441	4418	4425	4469	4444	4451	4484
45.0	4111	4113	4163	4218	4176	4188	4249	4216	4233	4287
47.5	3856	3861	3886	3926	3909	3915	3967	3936	3958	4010
50.0	3593	3602	3606	3642	3641	3631	3675	3649	3679	3705
52.5	3310	3345	3332	3354	3372	3354	3396	3373	3410	3414
55.0	3013	3060	3058	3065	3101	3076	3117	3097	3141	3128
57.5	2710	2748	2774	2747	2822	2783	2833	2811	2867	2826
60.0	2410	2434	2434	2432	2468	2454	2495	2478	2524	2508
62.5	2113	2086	2092	2111	2121	2125	2159	2147	2172	2186
65.0	1786	1748	1758	1781	1783	1793	1833	1819	1828	1870
67.5	1437	1429	1429	1436	1434	1444	1466	1467	1480	1505
70.0	1104	1113	1110	1116	1117	1132	1140	1154	1158	1183
72.5	801.8	817.4	822.1	817.5	823.4	847.0	846.6	865.0	868.5	881.7
75.0	558.1	547.3	566.4	555.8	566.7	577.4	583.8	593.9	605.6	626.7
77.5	381.4	346.8	348.5	353.5	351.4	357.1	368.2	376.8	388.4	410.7

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-10-15

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]

80.0	221.3	213.4	197.3	200.7	196.1	201.8	208.4	215.3	226.4	240.4
82.5	77.45	96.07	105.8	98.64	94.27	92.01	100.4	103.4	110.7	123.2
85.0	0	16.66	29.84	41.16	31.60	24.44	21.65	23.19	36.37	53.72
87.5	0	0	0	0	6.627	7.103	4.643	6.606	8.074	0
90.0	0	0	0	0	0	0	4.613	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	6127	6127	6127	6127	6127	6127	6127	6127	6127	6127
2.5	6111	6109	6108	6106	6105	6104	6103	6103	6102	6102
5.0	6087	6084	6082	6080	6078	6077	6076	6075	6074	6074
7.5	6052	6048	6046	6044	6043	6044	6044	6044	6045	6046
10.0	6006	6003	6001	6001	6002	6005	6005	6008	6013	6014
12.5	5954	5952	5952	5954	5956	5959	5964	5971	5974	5982
15.0	5891	5890	5892	5897	5904	5912	5919	5928	5937	5944
17.5	5818	5820	5822	5833	5844	5857	5871	5883	5889	5883
20.0	5734	5740	5749	5763	5776	5797	5799	5792	5784	5780
22.5	5640	5651	5665	5685	5706	5696	5686	5680	5679	5677
25.0	5539	5553	5573	5600	5583	5573	5569	5568	5568	5571
27.5	5427	5447	5474	5464	5453	5446	5446	5450	5457	5465
30.0	5303	5331	5339	5322	5315	5316	5321	5330	5343	5354
32.5	5172	5207	5183	5174	5172	5180	5193	5210	5227	5246
35.0	5030	5037	5020	5016	5025	5038	5060	5084	5070	5063
37.5	4878	4858	4848	4853	4869	4894	4907	4885	4876	4879
40.0	4687	4666	4668	4682	4709	4721	4686	4672	4675	4687
42.5	4472	4451	4473	4506	4527	4481	4458	4452	4466	4494
45.0	4242	4217	4245	4317	4275	4238	4223	4228	4254	4296
47.5	3986	3978	4001	4032	4018	3991	3983	3999	4036	4093
50.0	3698	3719	3743	3736	3753	3742	3739	3767	3788	3809
52.5	3416	3453	3453	3456	3478	3490	3495	3484	3493	3512
55.0	3143	3168	3150	3183	3209	3229	3199	3190	3200	3219
57.5	2870	2858	2844	2900	2944	2917	2899	2894	2910	2930
60.0	2555	2543	2546	2599	2613	2598	2600	2601	2621	2642
62.5	2195	2223	2248	2251	2277	2277	2298	2308	2334	2355
65.0	1856	1880	1922	1917	1945	1958	1995	2014	2029	2039
67.5	1531	1552	1588	1591	1618	1639	1684	1702	1713	1724
70.0	1205	1234	1258	1271	1308	1342	1377	1394	1400	1410
72.5	914.3	936.5	945.8	977.4	1033	1057	1078	1090	1091	1098
75.0	650.4	657.1	688.3	736.2	767.9	781.7	786.4	787.8	783.1	787.6
77.5	418.7	441.8	485.8	509.4	516.1	513.7	502.0	488.3	475.5	463.2
80.0	251.2	281.2	299.4	294.7	275.0	260.7	235.3	201.7	163.4	124.2
82.5	136.8	138.5	128.1	109.8	78.24	34.98	0	0	0	0
85.0	40.45	27.47	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	6127	6127	6127	6127	6127	6127	6127	6127	6127	6127
2.5	6102	6101	6101	6101	6101	6102	6102	6103	6104	6105
5.0	6074	6075	6075	6075	6075	6076	6077	6077	6077	6078
7.5	6046	6046	6048	6049	6049	6050	6050	6050	6050	6050
10.0	6017	6019	6020	6023	6023	6024	6024	6023	6021	6020
12.5	5986	5992	5993	5997	5997	5998	5997	5994	5992	5990
15.0	5956	5960	5967	5970	5971	5971	5969	5966	5962	5956
17.5	5877	5877	5878	5875	5876	5878	5879	5884	5889	5896
20.0	5779	5780	5779	5779	5781	5784	5783	5788	5792	5797
22.5	5677	5678	5681	5684	5686	5689	5688	5691	5694	5696
25.0	5574	5578	5584	5588	5592	5594	5593	5594	5594	5594
27.5	5473	5480	5487	5492	5497	5498	5497	5497	5493	5489
30.0	5367	5379	5390	5395	5402	5402	5401	5399	5392	5383
32.5	5237	5232	5231	5231	5236	5237	5244	5254	5262	5277
35.0	5061	5061	5063	5065	5070	5070	5076	5083	5088	5097
37.5	4883	4889	4894	4898	4904	4903	4908	4912	4913	4918
40.0	4704	4716	4726	4732	4739	4737	4740	4740	4737	4733
42.5	4522	4544	4557	4566	4573	4571	4572	4568	4559	4547
45.0	4337	4369	4387	4400	4407	4405	4404	4394	4381	4357
47.5	4121	4128	4126	4129	4132	4136	4147	4157	4170	4166
50.0	3829	3841	3846	3853	3858	3862	3871	3878	3885	3887
52.5	3535	3555	3565	3577	3583	3589	3595	3599	3601	3597
55.0	3244	3268	3284	3300	3308	3315	3319	3319	3316	3308
57.5	2955	2980	3002	3023	3034	3041	3043	3038	3031	3020
60.0	2665	2692	2720	2746	2759	2767	2767	2758	2747	2733
62.5	2365	2383	2404	2422	2432	2441	2446	2447	2446	2446
65.0	2048	2064	2081	2097	2105	2113	2117	2120	2121	2121
67.5	1733	1745	1759	1772	1778	1785	1789	1794	1796	1798
70.0	1419	1427	1438	1447	1451	1457	1462	1468	1473	1476

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-10-15

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	1106	1111	1117	1122	1124	1129	1134	1142	1150	1154
75.0	792.8	795.2	796.8	797.5	797.0	800.6	807.1	817.2	828.0	834.0
77.5	447.1	428.8	412.9	402.5	398.5	404.1	418.2	440.7	468.2	494.3
80.0	85.39	50.53	23.21	5.914	0	5.938	23.51	51.93	89.50	132.6
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	6127	6127	6127	6127	6127	6127	6127	6127	6127	6127
2.5	6105	6106	6106	6107	6108	6110	6111	6113	6115	6117
5.0	6079	6080	6081	6082	6083	6085	6087	6090	6094	6097
7.5	6049	6050	6051	6053	6055	6057	6059	6061	6065	6070
10.0	6020	6019	6018	6017	6019	6020	6020	6021	6027	6033
12.5	5987	5983	5982	5976	5975	5976	5974	5976	5980	5985
15.0	5951	5944	5938	5932	5926	5922	5918	5918	5921	5926
17.5	5904	5903	5890	5879	5869	5863	5857	5851	5852	5857
20.0	5805	5812	5822	5823	5809	5794	5785	5776	5774	5776
22.5	5700	5705	5715	5725	5740	5719	5704	5692	5686	5684
25.0	5594	5596	5599	5608	5620	5638	5615	5597	5587	5584
27.5	5485	5484	5483	5485	5493	5506	5519	5495	5480	5471
30.0	5376	5367	5359	5357	5358	5370	5388	5383	5362	5349
32.5	5262	5246	5233	5223	5220	5225	5238	5263	5234	5214
35.0	5111	5124	5104	5087	5076	5074	5081	5098	5095	5068
37.5	4921	4933	4956	4944	4927	4916	4913	4924	4945	4912
40.0	4728	4731	4746	4777	4772	4749	4737	4740	4764	4745
42.5	4532	4523	4531	4555	4594	4577	4553	4541	4556	4566
45.0	4330	4312	4310	4325	4355	4399	4350	4318	4331	4375
47.5	4125	4096	4086	4089	4109	4139	4121	4080	4088	4117
50.0	3886	3880	3856	3849	3856	3863	3861	3838	3821	3826
52.5	3594	3603	3624	3604	3598	3584	3581	3588	3549	3544
55.0	3302	3307	3323	3350	3341	3315	3297	3312	3282	3264
57.5	3011	3012	3021	3039	3081	3049	2998	3004	3017	2970
60.0	2722	2717	2719	2724	2750	2770	2699	2695	2712	2659
62.5	2433	2425	2418	2406	2417	2414	2404	2379	2354	2343
65.0	2122	2129	2115	2087	2086	2069	2075	2052	2016	2034
67.5	1799	1804	1799	1765	1755	1730	1731	1719	1692	1679
70.0	1477	1483	1477	1453	1434	1400	1396	1379	1364	1340
72.5	1158	1164	1162	1151	1140	1092	1070	1062	1041	1016
75.0	840.1	849.2	854.2	855.7	855.1	827.9	786.2	758.7	747.0	725.3
77.5	517.8	536.3	552.5	567.3	580.5	578.1	558.0	510.0	488.7	474.4
80.0	178.1	221.9	261.4	291.6	316.5	340.5	347.7	329.8	297.6	283.4
82.5	0	0	0	39.22	90.46	129.5	153.3	169.0	165.8	150.4
85.0	0	0	0	0	0	0	0	35.13	52.29	66.59
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	6127	6127								
2.5	6120	6122								
5.0	6101	6106								
7.5	6075	6082								
10.0	6040	6049								
12.5	5991	6000								
15.0	5933	5944								
17.5	5863	5874								
20.0	5782	5793								
22.5	5690	5704								
25.0	5588	5600								
27.5	5473	5484								
30.0	5347	5358								
32.5	5209	5219								
35.0	5059	5067								
37.5	4896	4902								
40.0	4723	4726								
42.5	4536	4536								
45.0	4328	4326								
47.5	4075	4063								
50.0	3803	3783								
52.5	3539	3511								
55.0	3274	3239								
57.5	3001	2960								
60.0	2676	2633								
62.5	2324	2300								

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-10-15

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	1986	1976
67.5	1649	1635
70.0	1321	1320
72.5	1015	998.6
75.0	711.7	694.6
77.5	456.9	446.6
80.0	272.6	265.2
82.5	139.2	129.1
85.0	48.10	26.42
87.5	12.01	8.187
90.0	0	0

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-15

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: