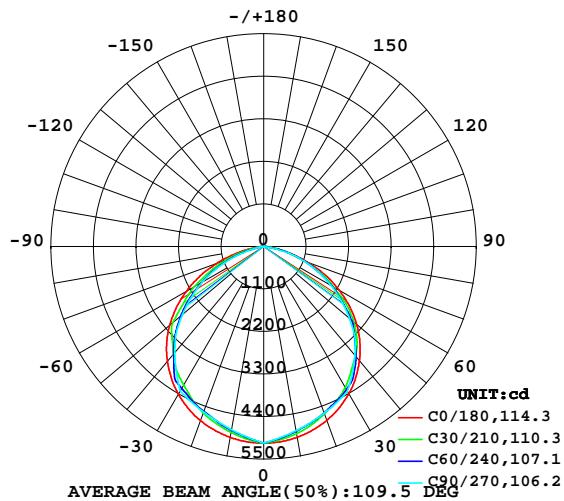


LUMINAIRE PHOTOMETRIC TEST REPORT

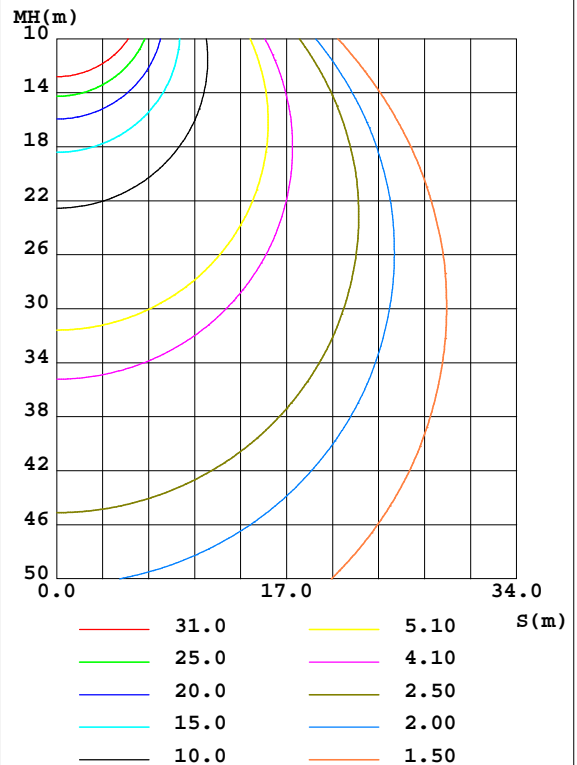
Test:U:120.01V I:0.6643A P:79.597W PF:0.9984 Freq:59.98Hz Lamp Flux:13319.8x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 167.34 lm/W			
MODEL	GHLV-14-U	Imax(cd)	5086	S/MH(C0/180)	1.29
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	13320	η UP,DN(C0-180)	0.0,50.8
NOMINAL FLUX(lm)	13319.8	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.2
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)



$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-14

$V(B)$ 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	5010	4875	4837	4867	5013	4850	4811	4859	0- 10	473.1	473.1	3.55,3.55
20	4786	4591	4585	4567	4789	4527	4555	4559	10- 20	1341	1815	13.6,13.6
30	4402	4223	4330	4211	4413	4188	4317	4204	20- 30	2048	3863	29,29
40	3855	3773	3673	3780	3876	3762	3580	3762	30- 40	2499	6361	47.8,47.8
50	3140	2944	2900	2967	3177	2897	2747	2882	40- 50	2564	8925	67,67
60	2249	2043	2011	2048	2301	1936	1818	1926	50- 60	2211	11137	83.6,83.6
70	1239	1134	1111	1098	1307	959.8	833.9	968.9	60- 70	1511	12648	95,95
80	292.3	290.4	0	273.7	349.1	117.5	0	143.5	70- 80	629.1	13277	99.7,99.7
90	12.55	0	0	0	13.68	0	0	0	80- 90	42.72	13320	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): 7660.3 lm

%lum = 57.5%

%lamp = 57.5%

Conical surface Flux(120deg): 11137 lm

%lum = 83.6%

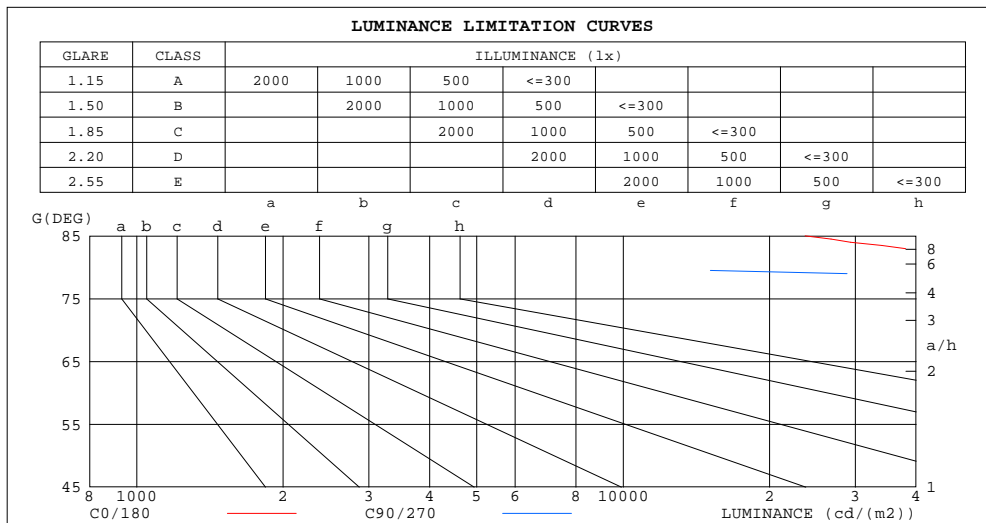
%lamp = 83.6%

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-14

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:120.01V I:0.6643A P:79.597W PF:0.9984 Freq:59.98Hz Lamp Flux:13319.8x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 1450*10mm	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	23652	0
80	70137	0
75	118295	106391
70	150968	135387
65	173738	153908
60	187379	167561
55	197309	178398
50	203546	187991
45	207419	197109

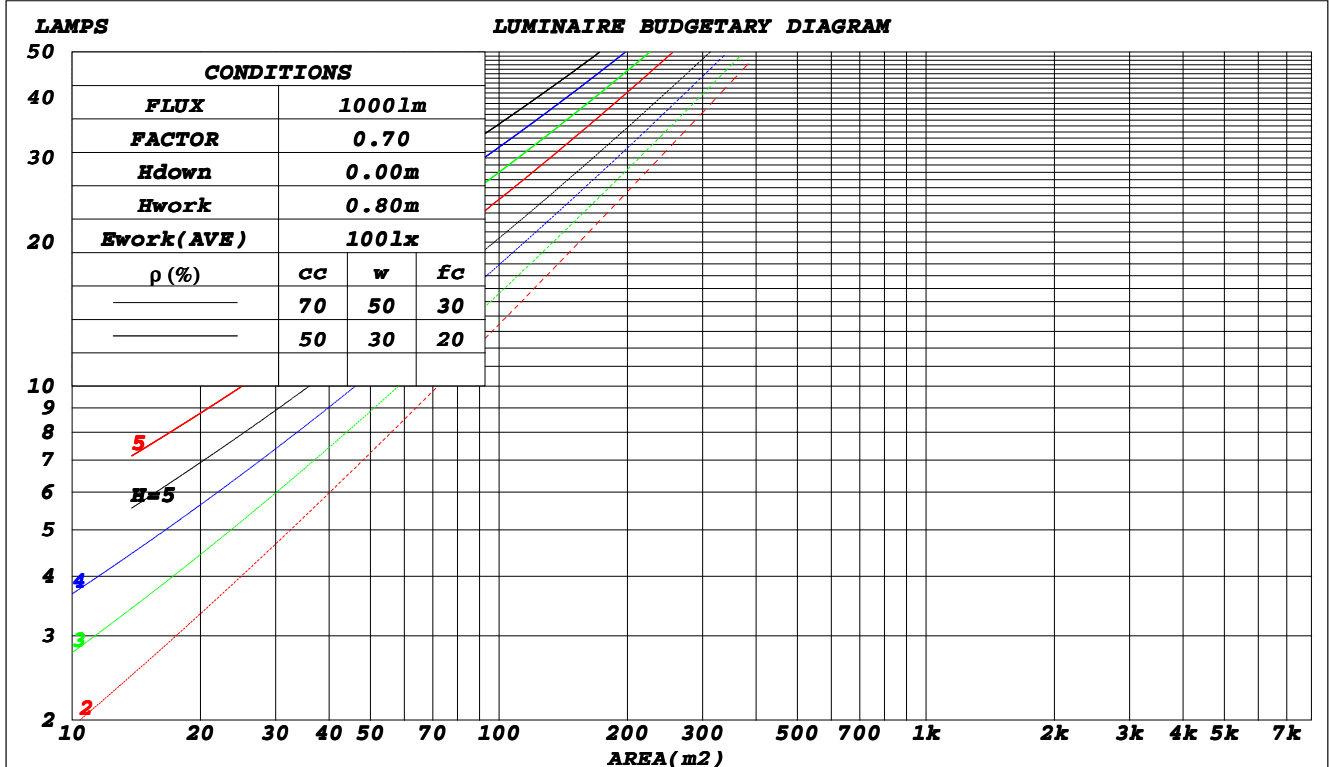
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-14

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:120.01V I:0.6643A P:79.597W PF:0.9984 Freq:59.98Hz Lamp Flux:13319.8x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 1450*10mm	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	1.05	1.02	.98	1.03	.90	.96	.99	.96	.93	.95	.93	.91	.92	.90	.88	.86
2.0	.93	.86	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.78	.75	.72
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.74	.69	.65	.72	.67	.64	.61
4.0	.72	.64	.57	.71	.63	.57	.69	.62	.56	.66	.60	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.55	.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	.42	.35	.30	.40	.35	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.38	.32	.27	.26



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-14

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:120.01V I:0.6643A P:79.597W PF:0.9984 Freq:59.98Hz Lamp Flux:13319.8x1 lm					
NAME: LED Linear Explosion-proof Light			TYPE:Flood Light		WEIGHT:N/A
SPEC.:80W			DIM.: 1450*10mm		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	.280	.159	.050	.273	.156	.049	.260	.149	.048	.248	.143	.046	.236	.137	.044		
2.0	.272	.149	.046	.266	.146	.045	.254	.141	.044	.243	.137	.043	.234	.132	.042		
3.0	.256	.136	.041	.250	.134	.040	.240	.130	.040	.231	.126	.039	.222	.123	.038		
4.0	.239	.124	.036	.234	.122	.036	.225	.119	.036	.217	.116	.035	.209	.113	.035		
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	.086	.025	.168	.085	.025	.163	.083	.024		
9.0	.171	.083	.023	.168	.082	.023	.163	.081	.023	.158	.079	.023	.154	.078	.023		
10.0	.161	.077	.021	.159	.077	.021	.154	.075	.021	.150	.074	.021	.145	.073	.021		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.178	.156	.137	.152	.134	.118	.104	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.170	.132	.100	.145	.114	.087	.100	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.162	.114	.076	.139	.099	.066	.095	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.154	.101	.060	.132	.087	.052	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.147	.090	.048	.126	.078	.042	.087	.055	.030	.050	.032	.018	.016	.010	.006	
6.0	.140	.082	.040	.120	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.134	.075	.034	.115	.065	.030	.079	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.127	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.121	.064	.026	.105	.056	.022	.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(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-14

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:120.01V I:0.6643A P:79.597W PF:0.9984 Freq:59.98Hz Lamp Flux:13319.8x1 lm										
NAME: LED Linear Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:80W					DIM.: 1450*10mm			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	22.2	23.7	22.5	23.9	24.1	22.0	23.4	22.2	23.6	23.8
3H	23.4	24.8	23.7	25.0	25.2	23.2	24.5	23.5	24.8	25.0
4H	23.7	25.0	24.1	25.3	25.5	23.5	24.8	23.9	25.1	25.3
6H	23.9	25.1	24.2	25.3	25.6	23.5	24.7	23.9	25.0	25.3
8H	23.8	25.0	24.2	25.3	25.6	23.5	24.7	23.8	24.9	25.2
12H	23.8	24.9	24.2	25.2	25.5	23.4	24.6	23.8	24.8	25.1
4H 2H	22.7	24.0	23.0	24.2	24.5	22.5	23.8	22.8	24.1	24.3
3H	24.1	25.2	24.4	25.5	25.8	23.9	25.0	24.2	25.3	25.6
4H	24.5	25.5	24.8	25.8	26.1	24.3	25.4	24.7	25.7	26.0
6H	24.7	25.6	25.1	25.9	26.3	24.4	25.3	24.8	25.6	26.0
8H	24.7	25.5	25.1	25.9	26.3	24.3	25.2	24.7	25.5	25.9
12H	24.7	25.4	25.1	25.8	26.2	24.3	25.0	24.7	25.4	25.8
8H 4H	24.6	25.5	25.0	25.8	26.2	24.5	25.3	24.9	25.7	26.1
6H	24.9	25.6	25.3	26.0	26.4	24.6	25.2	25.0	25.6	26.1
8H	24.9	25.6	25.4	26.0	26.4	24.5	25.1	25.0	25.5	26.0
12H	25.0	25.5	25.4	25.9	26.4	24.5	25.0	25.0	25.4	25.9
12H 4H	24.6	25.3	25.0	25.7	26.1	24.5	25.2	24.9	25.6	26.0
6H	24.9	25.5	25.3	25.9	26.4	24.5	25.1	25.0	25.6	26.0
8H	24.9	25.4	25.4	25.9	26.4	24.5	25.0	25.0	25.5	25.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.2					+ 0.3 / - 0.3				
1.5H	+ 0.3 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.3 / - 0.5					+ 0.4 / - 0.4				

CIE Pub.117, 13320 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 9.0$)
Area: 0.024 m²

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-14

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:120.01V I:0.6643A P:79.597W PF:0.9984 Freq:59.98Hz Lamp Flux:13319.8x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

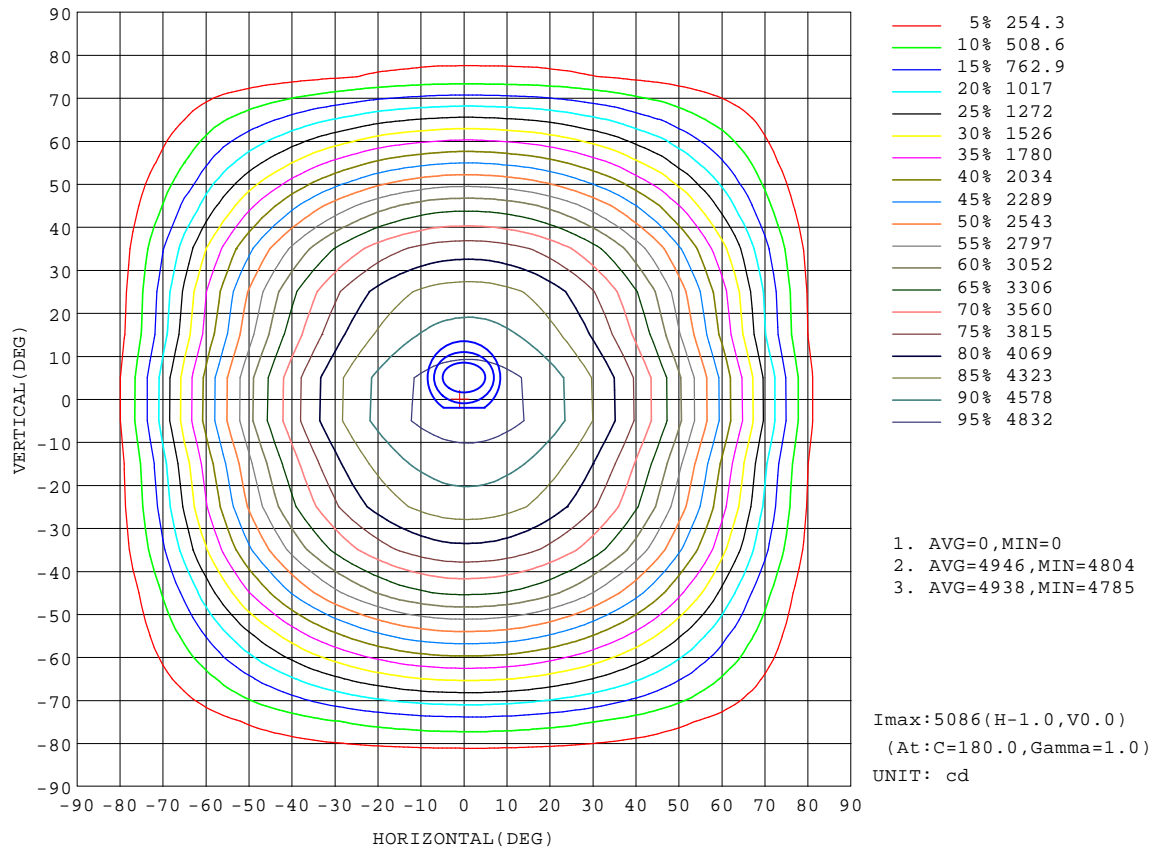
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	58	47	41	57	47	41	34
0.80	69	58	51	68	58	51	67	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	93	88	99	92	87	95	89	85	77
3.00	104	98	92	102	96	91	98	93	89	81
4.00	108	102	98	105	101	97	101	97	94	86
5.00	110	105	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:2024-10-14

$V(B)$ 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:120.01V I:0.6643A P:79.597W PF:0.9984 Freq:59.98Hz Lamp Flux:13319.8x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



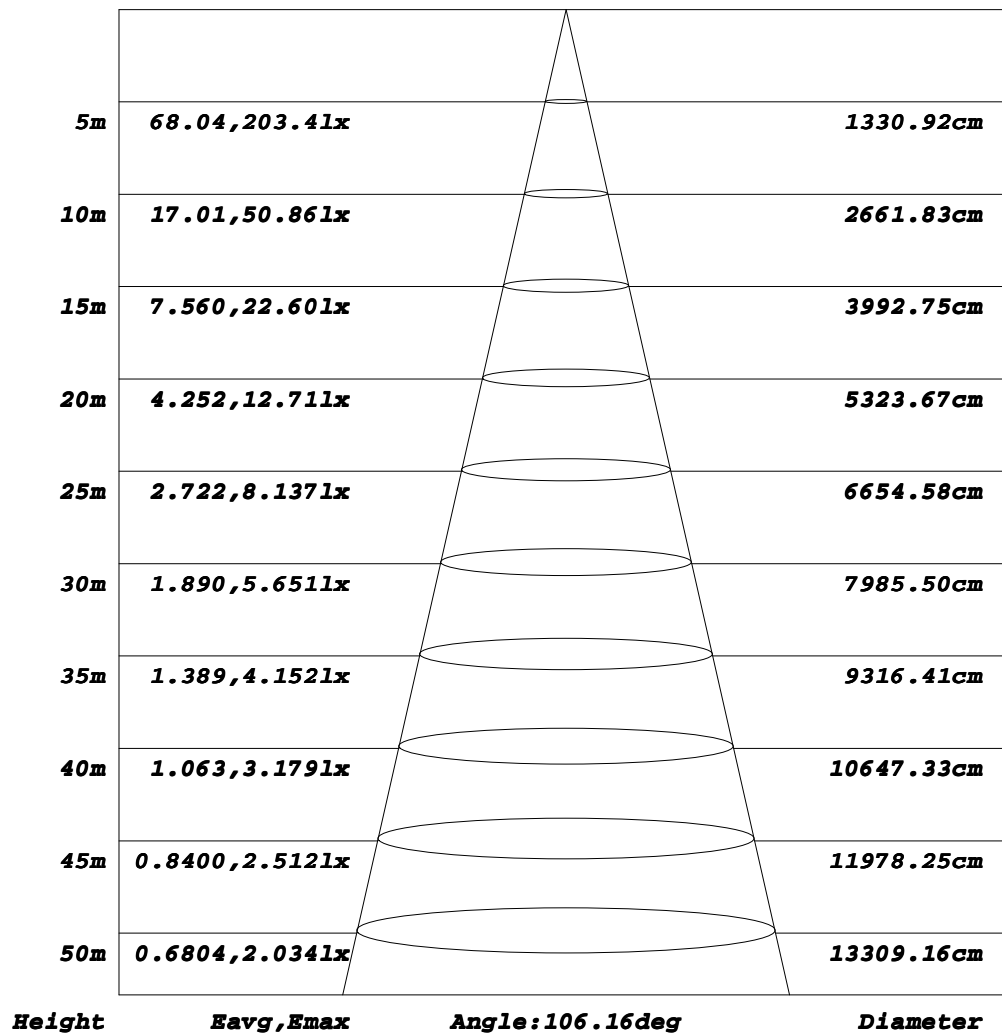
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-14

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:120.01V I:0.6643A P:79.597W PF:0.9984 Freq:59.98Hz Lamp Flux:13319.8x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:9760 lm



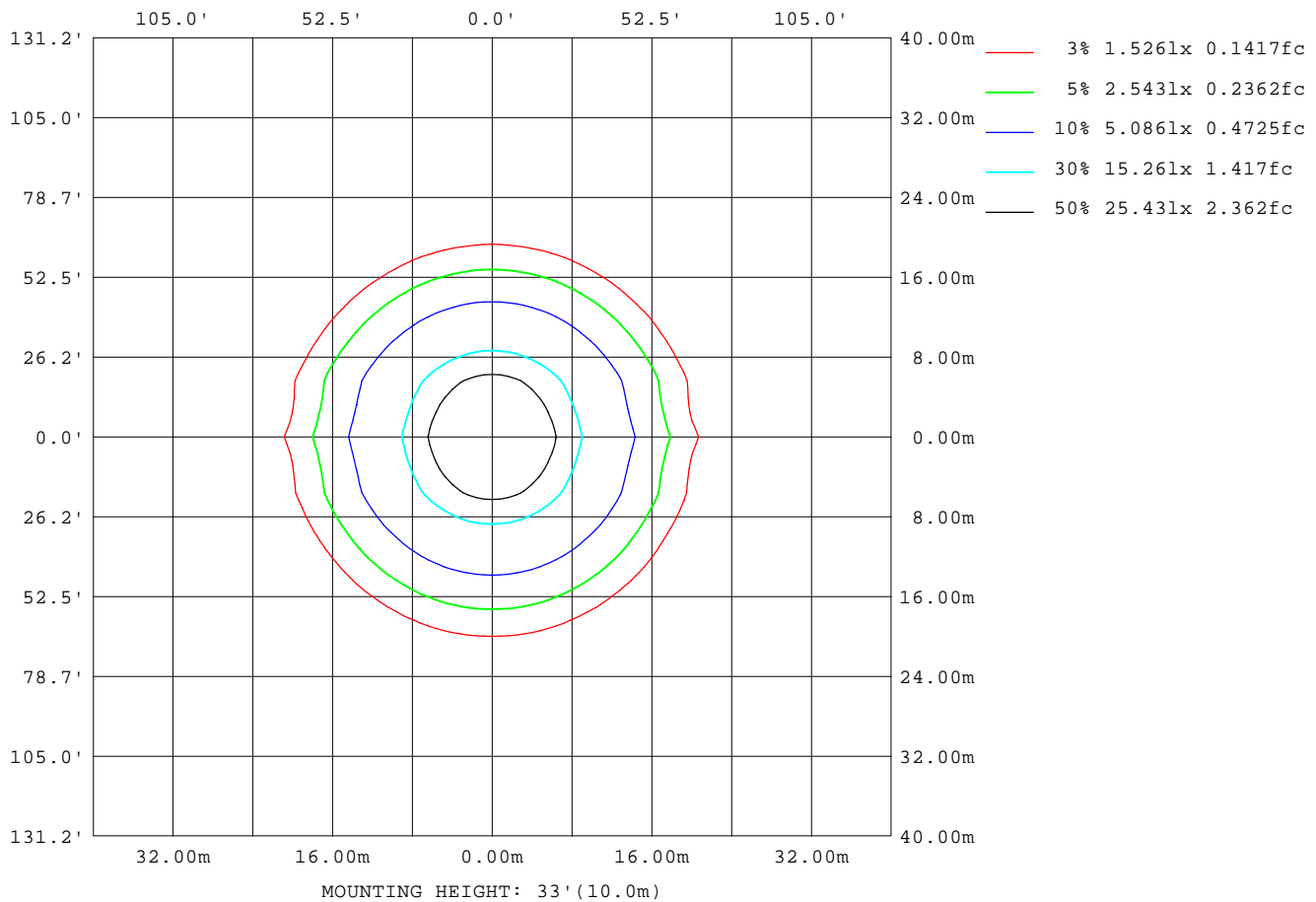
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessy
Test Date: 2024-10-14

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:120.01V I:0.6643A P:79.597W PF:0.9984 Freq:59.98Hz Lamp Flux:13319.8x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 1450*10mm	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:2024-10-14

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:120.01V I:0.6643A P:79.597W PF:0.9984 Freq:59.98Hz Lamp Flux:13319.8x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

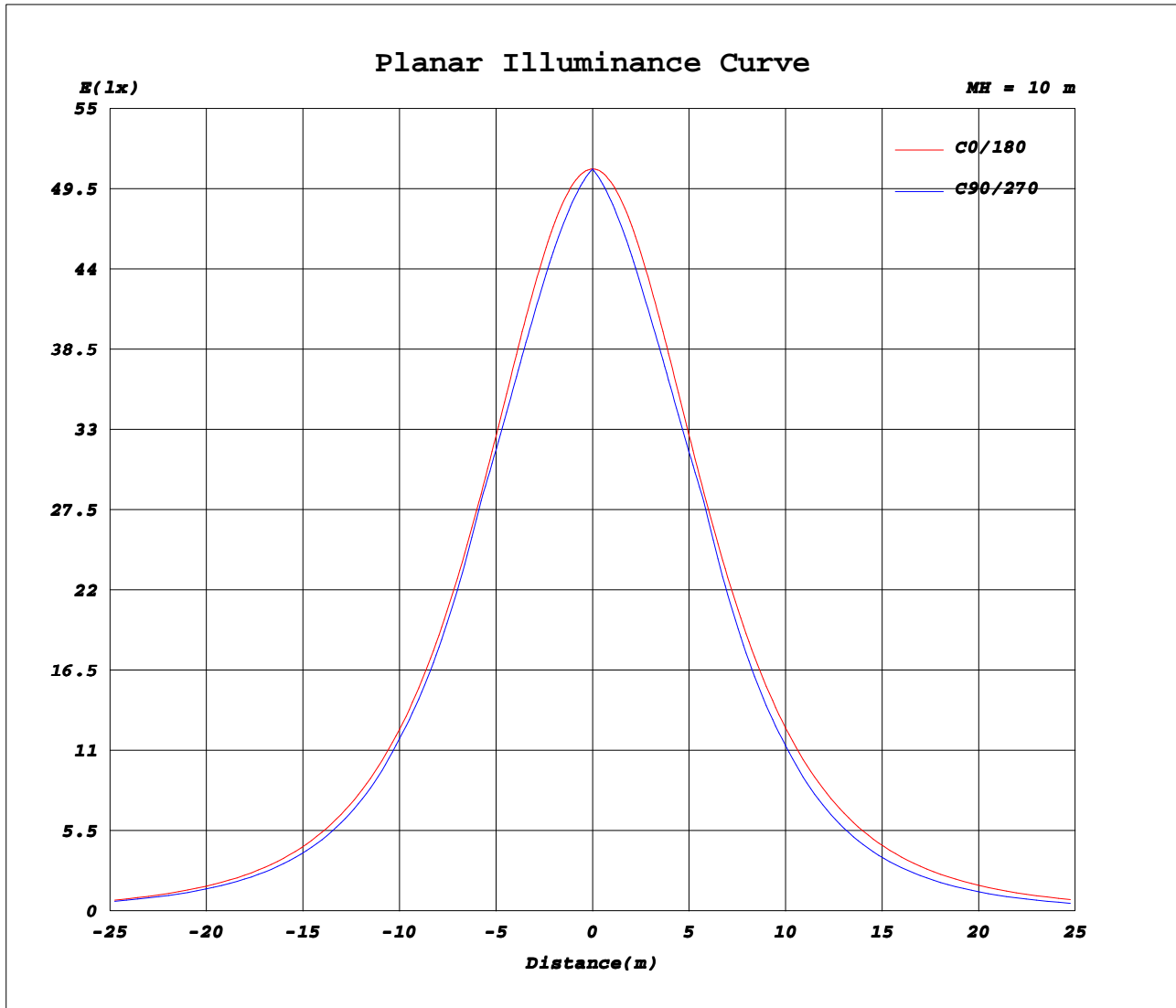
AvgL	cd/m2
L_0~180(65)av	176408
L_0~180(75)av	123462
L_0~180(85)av	27484
L_90~270(65)av	142293
L_90~270(75)av	80583
L_90~270(85)av	0
L_45(65)av	148087
L_45(75)av	98445
L_45(85)av	0

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:2024-10-14

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:2024-10-14

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	5086	5086	5086	5086	5086	5086	5086	5086	5086	5086
2.5	5080	5075	5070	5065	5060	5056	5051	5047	5043	5040
5.0	5067	5057	5047	5038	5028	5020	5012	5004	4997	4991
7.5	5042	5028	5014	5000	4988	4977	4966	4957	4948	4938
10.0	5010	4991	4973	4956	4941	4927	4914	4899	4886	4875
12.5	4967	4944	4922	4903	4886	4869	4849	4832	4817	4804
15.0	4914	4888	4865	4844	4823	4797	4775	4756	4740	4732
17.5	4856	4826	4799	4776	4745	4716	4692	4675	4668	4663
20.0	4786	4752	4724	4696	4658	4626	4603	4598	4594	4591
22.5	4703	4668	4640	4602	4560	4526	4518	4515	4516	4506
25.0	4612	4575	4545	4496	4450	4429	4427	4428	4415	4409
27.5	4512	4473	4441	4380	4332	4328	4330	4319	4309	4308
30.0	4402	4361	4318	4251	4218	4222	4215	4200	4199	4223
32.5	4283	4240	4186	4112	4098	4105	4084	4076	4106	4137
35.0	4149	4107	4040	3965	3969	3962	3945	3971	4012	4032
37.5	4005	3964	3881	3822	3833	3807	3814	3866	3896	3914
40.0	3855	3811	3710	3671	3673	3644	3693	3745	3764	3773
42.5	3693	3650	3528	3512	3496	3500	3570	3592	3612	3591
45.0	3520	3480	3335	3345	3306	3361	3414	3435	3418	3403
47.5	3342	3287	3148	3158	3123	3219	3240	3239	3224	3175
50.0	3140	3080	2957	2944	2961	3032	3045	3039	2985	2944
52.5	2934	2856	2758	2723	2798	2826	2833	2799	2743	2753
55.0	2716	2621	2548	2498	2606	2608	2609	2537	2546	2555
57.5	2485	2372	2329	2316	2381	2388	2333	2318	2344	2293
60.0	2249	2116	2074	2141	2154	2140	2074	2118	2070	2043
62.5	2009	1845	1815	1911	1928	1853	1867	1842	1817	1827
65.0	1762	1594	1561	1646	1663	1618	1613	1579	1603	1592
67.5	1499	1353	1370	1412	1341	1395	1339	1369	1359	1340
70.0	1239	1106	1159	1182	1122	1098	1131	1120	1109	1134
72.5	973.5	883.2	885.4	850.9	877.2	888.3	886.4	892.0	919.9	928.3
75.0	734.8	619.3	675.7	659.3	647.9	666.3	673.4	719.2	713.0	703.0
77.5	498.5	418.5	449.0	436.3	478.3	481.8	512.6	507.5	504.8	501.4
80.0	292.3	289.3	284.6	312.0	318.9	335.1	329.4	329.2	323.9	290.4
82.5	136.4	148.6	152.9	177.0	185.5	187.6	182.4	143.5	95.34	39.22
85.0	49.47	64.20	76.38	79.79	75.95	45.38	0	0	0	0
87.5	19.73	25.22	23.45	0	0	0	0	0	0	0
90.0	12.55	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	5086	5086	5086	5086	5086	5086	5086	5086	5086	5086
2.5	5036	5033	5031	5029	5027	5025	5024	5024	5024	5024
5.0	4985	4980	4975	4972	4968	4965	4963	4962	4961	4961
7.5	4930	4922	4916	4911	4907	4904	4901	4900	4899	4899
10.0	4865	4858	4852	4847	4843	4840	4838	4837	4837	4838
12.5	4794	4788	4785	4782	4780	4779	4777	4775	4775	4775
15.0	4727	4724	4721	4720	4719	4718	4716	4714	4712	4711
17.5	4660	4658	4655	4653	4652	4651	4651	4649	4649	4648
20.0	4587	4581	4579	4578	4580	4582	4583	4585	4585	4586
22.5	4500	4498	4498	4505	4511	4517	4520	4522	4521	4521
25.0	4408	4418	4429	4439	4448	4455	4458	4459	4458	4456
27.5	4327	4345	4360	4373	4380	4388	4391	4393	4394	4393
30.0	4248	4268	4279	4291	4304	4316	4324	4328	4330	4331
32.5	4156	4172	4189	4208	4194	4184	4176	4168	4166	4169
35.0	4048	4070	4058	4044	4031	4022	4013	4005	4002	4003
37.5	3925	3905	3891	3879	3864	3852	3845	3839	3838	3840
40.0	3751	3734	3714	3696	3684	3677	3674	3673	3673	3677
42.5	3574	3540	3519	3509	3508	3510	3510	3510	3509	3511
45.0	3362	3337	3332	3340	3344	3346	3347	3347	3345	3345
47.5	3144	3153	3161	3173	3159	3144	3132	3125	3123	3126
50.0	2959	2977	2964	2941	2924	2913	2905	2900	2900	2905
52.5	2774	2745	2717	2699	2694	2691	2685	2679	2678	2681
55.0	2516	2491	2482	2478	2476	2473	2467	2458	2456	2457
57.5	2261	2264	2263	2261	2253	2248	2243	2235	2233	2235
60.0	2044	2048	2035	2022	2018	2019	2017	2011	2011	2014
62.5	1819	1804	1793	1782	1790	1794	1793	1788	1786	1787
65.0	1570	1562	1568	1567	1571	1573	1570	1564	1561	1560
67.5	1344	1352	1355	1350	1346	1345	1342	1338	1336	1335
70.0	1141	1136	1128	1120	1116	1115	1114	1112	1111	1111
72.5	916.3	906.1	898.2	895.2	890.8	890.2	888.9	889.0	886.1	884.2
75.0	695.2	690.3	684.8	679.9	671.0	668.5	664.9	666.1	660.9	657.7
77.5	493.0	483.1	453.2	421.6	389.1	365.6	346.7	336.7	330.4	332.4
80.0	247.8	201.8	156.1	113.3	74.46	43.09	19.49	4.947	0	4.885
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:2024-10-14

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	5086	5086	5086	5086	5086	5086	5086	5086	5086	5086
2.5	5024	5025	5027	5029	5031	5033	5036	5040	5043	5047
5.0	4962	4963	4965	4967	4970	4974	4979	4985	4991	4999
7.5	4900	4902	4903	4906	4910	4914	4920	4926	4933	4943
10.0	4839	4841	4843	4846	4850	4855	4861	4867	4874	4883
12.5	4775	4776	4778	4782	4787	4793	4799	4805	4812	4821
15.0	4709	4709	4710	4711	4714	4718	4726	4736	4747	4755
17.5	4647	4646	4644	4641	4639	4641	4647	4655	4666	4682
20.0	4585	4584	4581	4576	4572	4569	4565	4567	4577	4591
22.5	4519	4516	4511	4508	4505	4498	4491	4484	4479	4492
25.0	4451	4443	4436	4428	4422	4419	4415	4404	4394	4384
27.5	4389	4377	4364	4347	4335	4325	4320	4319	4305	4289
30.0	4328	4315	4300	4279	4256	4231	4218	4211	4210	4192
32.5	4174	4180	4193	4211	4184	4155	4122	4098	4091	4092
35.0	4004	4007	4014	4030	4052	4077	4040	3999	3966	3959
37.5	3841	3840	3840	3845	3863	3891	3935	3908	3853	3818
40.0	3680	3678	3677	3680	3680	3693	3729	3780	3752	3683
42.5	3510	3507	3510	3516	3511	3513	3520	3562	3621	3568
45.0	3338	3330	3330	3330	3331	3338	3339	3343	3390	3453
47.5	3128	3129	3138	3136	3132	3139	3158	3156	3152	3221
50.0	2909	2912	2921	2921	2924	2929	2942	2967	2959	2973
52.5	2683	2688	2698	2703	2706	2711	2721	2734	2765	2756
55.0	2455	2458	2461	2465	2478	2492	2499	2500	2525	2554
57.5	2234	2236	2229	2225	2232	2249	2276	2278	2278	2307
60.0	2015	2018	2011	2007	2001	1999	2019	2048	2054	2041
62.5	1788	1791	1787	1790	1784	1779	1775	1783	1816	1816
65.0	1560	1559	1554	1557	1556	1561	1560	1543	1542	1585
67.5	1336	1335	1328	1327	1323	1328	1336	1327	1309	1310
70.0	1114	1114	1111	1112	1107	1104	1101	1098	1097	1085
72.5	887.3	887.0	888.6	895.4	897.3	900.6	894.1	880.2	878.9	875.7
75.0	659.5	658.6	661.9	669.9	671.9	685.3	691.7	690.9	684.3	661.3
77.5	343.4	358.9	381.5	410.3	434.6	464.2	475.1	488.3	503.2	497.1
80.0	19.29	42.31	72.98	110.3	149.8	193.2	234.4	273.7	304.8	317.7
82.5	0	0	0	0	0	0	0	36.91	88.77	130.1
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	5086	5086	5086	5086	5086	5086	5086	5086	5086	5086
2.5	5051	5056	5061	5066	5071	5077	5082	5076	5070	5064
5.0	5007	5015	5025	5035	5046	5057	5068	5056	5043	5032
7.5	4954	4967	4980	4995	5011	5028	5045	5026	5008	4990
10.0	4893	4908	4925	4945	4966	4989	5013	4987	4962	4938
12.5	4831	4842	4861	4884	4910	4939	4969	4936	4904	4876
15.0	4764	4775	4790	4815	4846	4881	4919	4877	4839	4804
17.5	4692	4702	4716	4736	4773	4814	4859	4810	4765	4724
20.0	4611	4623	4635	4651	4689	4736	4789	4732	4679	4637
22.5	4512	4537	4547	4562	4595	4650	4712	4645	4585	4547
25.0	4401	4428	4451	4463	4488	4550	4622	4545	4477	4447
27.5	4282	4308	4345	4356	4373	4440	4521	4434	4362	4339
30.0	4172	4177	4215	4240	4256	4321	4413	4315	4244	4222
32.5	4063	4036	4073	4117	4130	4192	4295	4184	4116	4097
35.0	3951	3915	3923	3982	3994	4049	4164	4041	3978	3958
37.5	3816	3790	3760	3821	3850	3896	4024	3888	3833	3795
40.0	3661	3660	3612	3649	3698	3734	3876	3726	3681	3623
42.5	3498	3502	3467	3465	3539	3563	3721	3554	3522	3440
45.0	3363	3325	3318	3270	3371	3374	3551	3362	3350	3241
47.5	3236	3136	3153	3079	3166	3186	3370	3175	3142	3047
50.0	3060	2984	2945	2905	2948	2989	3177	2978	2925	2879
52.5	2793	2838	2733	2730	2713	2780	2971	2771	2694	2709
55.0	2533	2629	2543	2541	2467	2569	2759	2556	2444	2530
57.5	2322	2348	2383	2305	2225	2349	2537	2331	2190	2297
60.0	2097	2091	2193	2053	2025	2127	2301	2116	2008	2051
62.5	1829	1874	1874	1851	1827	1891	2069	1875	1814	1864
65.0	1585	1601	1599	1678	1610	1635	1816	1623	1605	1708
67.5	1363	1321	1386	1418	1329	1348	1559	1331	1333	1429
70.0	1083	1118	1093	1083	1069	1055	1307	1039	1074	1100
72.5	866.5	863.7	852.7	894.2	911.6	787.7	1043	771.0	937.4	899.2
75.0	666.9	650.2	657.3	625.9	657.5	616.4	799.0	613.4	675.6	619.7
77.5	473.6	471.5	458.2	470.2	456.5	443.1	562.0	438.2	463.4	440.6

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-10-14

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	327.2	316.9	309.1	281.9	251.9	261.5	349.1	246.4	252.1	234.4
82.5	159.4	175.4	182.9	170.0	149.3	135.2	177.3	119.1	132.6	118.7
85.0	0	36.66	59.08	79.85	66.57	49.94	65.50	45.29	50.15	54.06
87.5	0	0	0	0	16.99	21.24	25.89	19.88	15.86	0
90.0	0	0	0	0	0	0	13.68	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	5086	5086	5086	5086	5086	5086	5086	5086	5086	5086
2.5	5059	5053	5048	5044	5039	5035	5031	5028	5025	5023
5.0	5021	5010	5000	4991	4983	4976	4969	4963	4959	4955
7.5	4974	4959	4945	4933	4922	4913	4905	4899	4893	4888
10.0	4917	4898	4880	4869	4859	4850	4842	4835	4828	4822
12.5	4849	4828	4815	4803	4792	4784	4776	4768	4760	4753
15.0	4775	4758	4743	4731	4722	4709	4698	4689	4683	4679
17.5	4699	4682	4667	4654	4635	4621	4611	4605	4603	4607
20.0	4616	4600	4584	4560	4541	4527	4526	4532	4539	4545
22.5	4527	4512	4481	4458	4440	4447	4456	4466	4476	4481
25.0	4430	4402	4370	4347	4358	4371	4385	4391	4397	4405
27.5	4323	4280	4248	4257	4275	4293	4296	4303	4314	4328
30.0	4191	4147	4139	4163	4184	4188	4199	4216	4241	4265
32.5	4047	4004	4034	4065	4067	4078	4108	4144	4175	4203
35.0	3892	3885	3925	3936	3944	3981	4029	4073	4036	4001
37.5	3726	3761	3794	3800	3836	3893	3921	3869	3829	3797
40.0	3581	3636	3643	3670	3740	3762	3698	3650	3627	3610
42.5	3442	3482	3485	3560	3612	3531	3471	3453	3439	3425
45.0	3297	3311	3354	3451	3368	3301	3275	3261	3241	3220
47.5	3135	3129	3234	3207	3120	3099	3078	3045	3023	3011
50.0	2931	2982	3056	2948	2911	2897	2849	2818	2801	2786
52.5	2722	2844	2782	2717	2703	2652	2616	2589	2574	2560
55.0	2539	2630	2514	2503	2449	2404	2386	2361	2336	2315
57.5	2390	2336	2294	2246	2192	2175	2155	2111	2081	2066
60.0	2203	2074	2056	1975	1962	1936	1894	1855	1838	1837
62.5	1877	1850	1777	1749	1718	1669	1642	1625	1611	1610
65.0	1599	1570	1529	1514	1449	1426	1417	1396	1368	1357
67.5	1383	1284	1306	1242	1216	1205	1179	1146	1119	1107
70.0	1071	1084	1034	1014	998.3	959.8	929.3	906.4	883.8	871.7
72.5	829.0	825.4	818.2	796.4	760.5	726.6	705.6	680.6	653.2	634.4
75.0	621.7	600.9	614.3	570.8	550.1	519.6	486.3	447.9	411.7	388.8
77.5	397.8	413.6	407.9	387.0	350.6	302.6	257.4	211.1	195.9	191.4
80.0	240.2	249.5	243.0	194.4	140.6	117.5	103.2	84.95	67.33	51.26
82.5	130.4	113.9	69.02	55.10	37.57	15.85	0	0	0	0
85.0	34.27	18.33	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	5086	5086	5086	5086	5086	5086	5086	5086	5086	5086
2.5	5021	5019	5018	5017	5017	5017	5018	5019	5021	5023
5.0	4952	4950	4949	4948	4948	4949	4951	4953	4956	4960
7.5	4885	4883	4881	4880	4880	4880	4882	4885	4889	4894
10.0	4819	4816	4813	4811	4811	4812	4813	4815	4819	4824
12.5	4748	4744	4743	4742	4742	4743	4745	4748	4751	4755
15.0	4675	4672	4671	4672	4672	4675	4678	4681	4684	4688
17.5	4610	4610	4611	4613	4614	4615	4616	4617	4618	4620
20.0	4550	4552	4553	4554	4555	4554	4554	4553	4551	4550
22.5	4485	4488	4490	4493	4495	4496	4495	4492	4486	4479
25.0	4413	4421	4427	4432	4435	4437	4437	4433	4426	4416
27.5	4346	4359	4368	4373	4376	4376	4375	4368	4361	4353
30.0	4285	4300	4310	4315	4317	4316	4311	4300	4287	4277
32.5	4174	4156	4141	4134	4132	4137	4146	4157	4174	4199
35.0	3976	3962	3953	3947	3947	3953	3964	3975	3992	4017
37.5	3783	3776	3770	3764	3764	3767	3776	3787	3806	3834
40.0	3599	3594	3588	3582	3580	3580	3585	3593	3609	3632
42.5	3410	3403	3400	3396	3394	3396	3401	3406	3415	3426
45.0	3209	3204	3210	3210	3209	3213	3219	3223	3231	3236
47.5	2998	2987	2986	2981	2978	2980	2990	3005	3029	3050
50.0	2770	2758	2754	2750	2747	2745	2750	2763	2784	2808
52.5	2539	2522	2516	2514	2514	2514	2518	2528	2542	2558
55.0	2296	2280	2276	2278	2282	2282	2286	2298	2313	2327
57.5	2058	2047	2043	2046	2050	2046	2049	2061	2080	2099
60.0	1831	1817	1811	1815	1818	1810	1810	1821	1836	1851
62.5	1594	1576	1567	1568	1572	1567	1570	1581	1594	1603
65.0	1343	1327	1320	1320	1325	1324	1330	1343	1359	1370
67.5	1098	1084	1078	1077	1080	1078	1085	1100	1119	1136
70.0	859.4	844.0	837.2	833.5	833.9	832.4	839.4	855.1	872.5	891.1

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-10-14

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	617.3	599.4	592.0	588.2	587.1	588.1	597.3	613.8	631.7	650.1
75.0	371.6	353.6	346.2	343.0	340.2	343.9	355.8	373.8	395.2	417.5
77.5	187.1	178.5	174.3	171.9	170.1	172.4	179.8	191.2	204.7	218.5
80.0	35.73	21.03	9.792	2.527	0	2.534	10.11	22.54	39.13	58.67
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	5086	5086	5086	5086	5086	5086	5086	5086	5086	5086
2.5	5025	5028	5031	5035	5039	5043	5048	5053	5058	5063
5.0	4964	4970	4975	4982	4989	4997	5005	5015	5024	5034
7.5	4900	4907	4915	4925	4936	4946	4957	4969	4982	4996
10.0	4831	4839	4848	4859	4872	4886	4903	4918	4933	4950
12.5	4760	4766	4774	4785	4799	4816	4835	4857	4877	4896
15.0	4692	4697	4703	4709	4719	4737	4758	4783	4812	4835
17.5	4624	4627	4631	4636	4643	4652	4672	4699	4731	4765
20.0	4549	4551	4555	4559	4564	4570	4580	4607	4642	4684
22.5	4473	4471	4472	4475	4481	4485	4492	4504	4542	4588
25.0	4406	4394	4383	4381	4385	4394	4398	4404	4429	4480
27.5	4342	4326	4306	4284	4282	4288	4297	4299	4308	4361
30.0	4266	4254	4231	4204	4176	4172	4181	4189	4193	4232
32.5	4182	4161	4144	4121	4086	4050	4055	4071	4071	4092
35.0	4043	4065	4040	4020	3995	3950	3919	3932	3941	3942
37.5	3856	3884	3917	3906	3883	3848	3794	3780	3800	3798
40.0	3660	3696	3726	3762	3753	3732	3675	3620	3643	3647
42.5	3449	3485	3533	3565	3604	3584	3555	3478	3471	3489
45.0	3245	3265	3304	3362	3399	3429	3401	3345	3290	3325
47.5	3057	3064	3073	3124	3192	3221	3232	3209	3111	3136
50.0	2845	2869	2872	2882	2940	3007	3040	3031	2953	2924
52.5	2588	2624	2674	2678	2682	2758	2821	2836	2797	2706
55.0	2342	2362	2410	2469	2471	2490	2590	2619	2612	2489
57.5	2112	2125	2147	2193	2257	2263	2304	2388	2395	2312
60.0	1870	1897	1918	1926	1975	2055	2036	2132	2161	2128
62.5	1615	1645	1682	1695	1713	1768	1821	1827	1915	1918
65.0	1376	1395	1418	1447	1487	1491	1562	1575	1653	1677
67.5	1149	1170	1177	1183	1242	1269	1269	1351	1341	1434
70.0	909.6	940.7	960.5	968.9	986.5	1014	1055	1058	1115	1182
72.5	668.7	700.4	725.3	757.7	786.4	776.4	811.3	846.8	856.0	861.1
75.0	440.2	470.3	495.2	532.5	569.6	597.6	594.5	621.8	633.7	663.1
77.5	229.6	246.6	281.8	323.7	355.8	390.5	426.2	426.6	445.5	421.6
80.0	79.03	100.7	120.9	143.5	166.4	206.7	240.6	274.6	270.7	272.2
82.5	0	0	0	19.42	46.21	69.10	86.51	123.1	142.5	131.4
85.0	0	0	0	0	0	0	0	22.79	43.73	56.51
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	5086	5086								
2.5	5069	5075								
5.0	5045	5056								
7.5	5011	5026								
10.0	4969	4989								
12.5	4918	4941								
15.0	4859	4885								
17.5	4792	4822								
20.0	4716	4748								
22.5	4630	4663								
25.0	4534	4569								
27.5	4428	4467								
30.0	4306	4355								
32.5	4173	4234								
35.0	4024	4099								
37.5	3865	3956								
40.0	3695	3803								
42.5	3514	3643								
45.0	3320	3472								
47.5	3130	3278								
50.0	2935	3070								
52.5	2733	2845								
55.0	2527	2611								
57.5	2308	2360								
60.0	2055	2108								
62.5	1808	1826								

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-10-14

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	1551	1578
67.5	1358	1330
70.0	1166	1087
72.5	906.0	863.2
75.0	695.2	608.4
77.5	459.4	419.1
80.0	287.9	293.9
82.5	137.4	145.4
85.0	57.02	62.20
87.5	20.23	24.52
90.0	0	0

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-14

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: