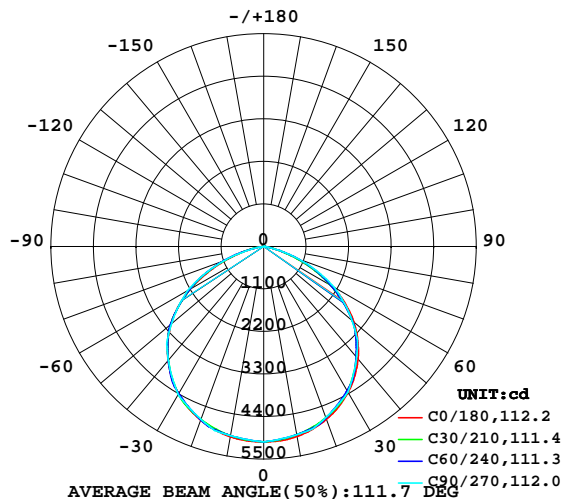


LUMINAIRE PHOTOMETRIC TEST REPORT

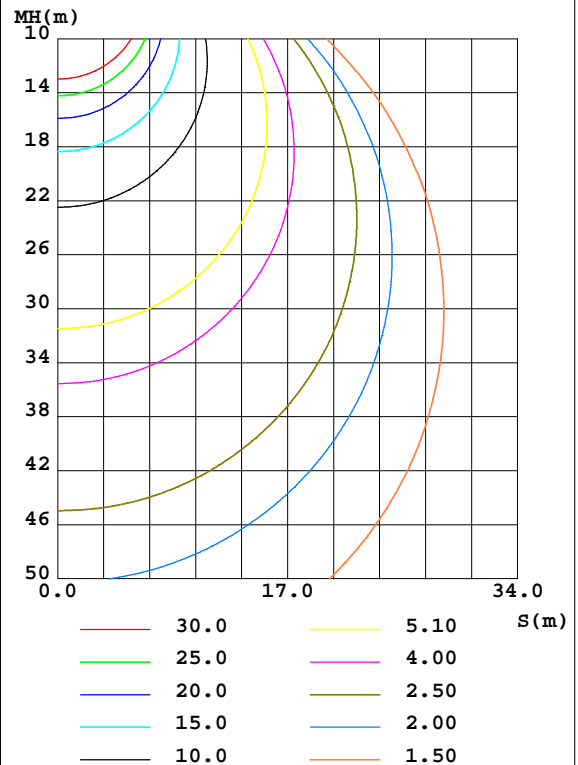
Test:U:120.26V I:0.6684A P:80.177W PF:0.9974 Freq:59.98Hz Lamp Flux:13641.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 170.14 lm/W			
MODEL	GHRL-14-U	Imax(cd)	5053	S/MH(C0/180)	1.29
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	13641	η UP,DN(C0-180)	0.0,49.3
NOMINAL FLUX(lm)	13641.1	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-20

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [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	4988	4939	4942	4946	4997	4963	4967	4958	0- 10	477.0	477.0	3.5,3.5
20	4757	4738	4709	4756	4779	4791	4757	4777	10- 20	1377	1854	13.6,13.6
30	4363	4298	4352	4333	4400	4383	4424	4362	20- 30	2106	3960	29,29
40	3799	3761	3741	3811	3851	3875	3840	3853	30- 40	2565	6525	47.8,47.8
50	3046	2966	2989	3053	3126	3130	3117	3092	40- 50	2666	9191	67.4,67.4
60	2049	1988	2096	2097	2178	2192	2254	2128	50- 60	2331	11521	84.5,84.5
70	881.6	916.0	985.4	1030	1033	1122	1105	1039	60- 70	1547	13068	95.8,95.8
80	97.50	95.51	0	145.1	168.6	175.4	0	136.2	70- 80	552.2	13620	99.8,99.8
90	2.647	0	0	0	2.435	0	0	0	80- 90	21.21	13641	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): 7869.4 lm

%lum = 57.7%

%lamp = 57.7%

Conical surface Flux(120deg): 11521 lm

%lum = 84.5%

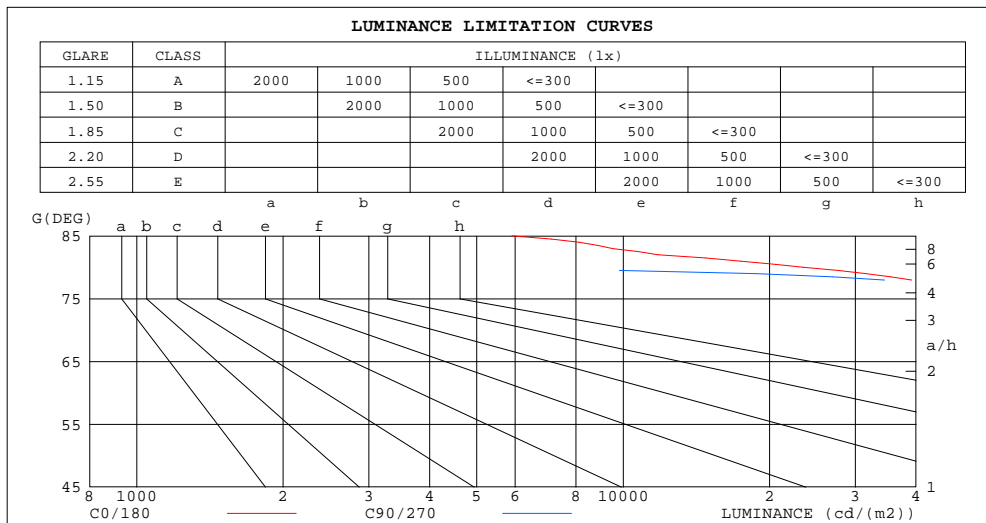
%lamp = 84.5%

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-20

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.26V I:0.6684A P:80.177W PF:0.9974 Freq:59.98Hz Lamp Flux:13641.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	5903	0
80	23396	0
75	66886	69224
70	107401	120043
65	145229	151905
60	170765	174677
55	187384	184690
50	197417	193732
45	203017	202407

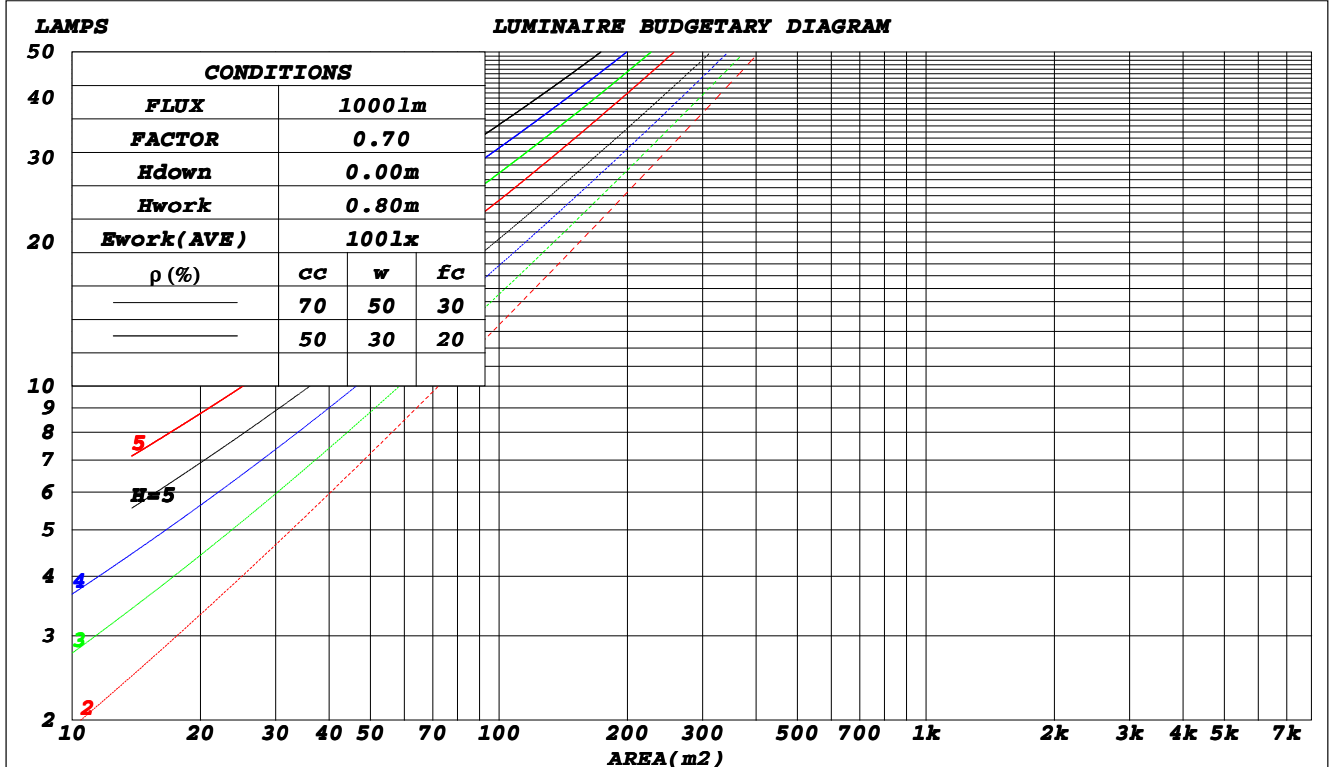
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-20

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.26V I:0.6684A P:80.177W PF:0.9974 Freq:59.98Hz Lamp Flux:13641.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	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	.87	.81	.91	.85	.80	.87	.83	.78	.84	.80	.77	.81	.78	.75	.73
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.75	.69	.65	.72	.68	.64	.62
4.0	.73	.64	.58	.71	.64	.57	.69	.62	.57	.67	.61	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.50	.62	.55	.49	.60	.53	.49	.58	.52	.48	.46
6.0	.59	.50	.44	.58	.49	.43	.56	.48	.43	.54	.48	.43	.53	.47	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.37	.36
8.0	.48	.40	.34	.48	.40	.34	.46	.39	.34	.45	.39	.34	.44	.38	.34	.32
9.0	.44	.36	.31	.44	.36	.31	.43	.36	.31	.42	.35	.30	.41	.35	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.33	.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:2024-11-20

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.26V I:0.6684A P:80.177W PF:0.9974 Freq:59.98Hz Lamp Flux:13641.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	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	.275	.157	.050	.268	.153	.049	.255	.146	.047	.243	.140	.045	.232	.134	.043		
2.0	.269	.147	.045	.263	.145	.045	.251	.140	.043	.241	.135	.042	.231	.131	.041		
3.0	.254	.135	.040	.248	.133	.040	.238	.129	.039	.229	.125	.038	.220	.122	.038		
4.0	.238	.123	.036	.233	.122	.036	.224	.119	.035	.215	.116	.035	.208	.113	.034		
5.0	.222	.113	.033	.217	.112	.033	.209	.109	.032	.202	.107	.032	.195	.104	.031		
6.0	.207	.104	.030	.203	.103	.030	.196	.101	.029	.189	.098	.029	.183	.096	.029		
7.0	.194	.096	.027	.190	.095	.027	.184	.093	.027	.178	.091	.027	.172	.090	.026		
8.0	.182	.089	.025	.179	.088	.025	.173	.086	.025	.167	.085	.024	.162	.083	.024		
9.0	.171	.083	.023	.168	.082	.023	.163	.081	.023	.158	.079	.023	.153	.078	.023		
10.0	.161	.077	.021	.158	.077	.021	.154	.075	.021	.149	.074	.021	.145	.073	.021		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.178	.156	.137	.152	.134	.118	.104	.092	.082	.060	.053	.047	.019	.017	.015	
2.0	.169	.132	.101	.145	.114	.087	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.161	.114	.077	.138	.099	.066	.095	.068	.047	.055	.040	.027	.018	.013	.009	
4.0	.154	.101	.060	.132	.087	.052	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.147	.090	.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	.133	.075	.034	.115	.065	.030	.079	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.127	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.121	.064	.026	.105	.056	.022	.072	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.069	.037	.014	.040	.022	.008	.013	.007	.003	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-20

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.26V I:0.6684A P:80.177W PF:0.9974 Freq:59.98Hz Lamp Flux:13641.1x1 lm										
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:80W					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	21.8	23.3	22.1	23.5	23.7	21.9	23.3	22.1	23.5	23.7
3H	22.6	24.0	22.9	24.2	24.5	22.9	24.2	23.2	24.5	24.7
4H	22.8	24.0	23.1	24.3	24.5	23.0	24.3	23.3	24.5	24.8
6H	22.7	23.9	23.0	24.2	24.5	23.0	24.2	23.3	24.4	24.7
8H	22.7	23.8	23.0	24.1	24.4	22.9	24.1	23.2	24.3	24.6
12H	22.6	23.7	23.0	24.0	24.3	22.9	24.0	23.2	24.3	24.6
4H 2H	22.2	23.5	22.5	23.8	24.0	22.3	23.6	22.6	23.8	24.1
3H	23.2	24.3	23.5	24.6	24.9	23.4	24.5	23.8	24.8	25.1
4H	23.3	24.3	23.7	24.7	25.0	23.6	24.6	24.0	24.9	25.3
6H	23.3	24.2	23.7	24.6	24.9	23.6	24.5	24.0	24.8	25.2
8H	23.3	24.1	23.7	24.5	24.8	23.5	24.3	23.9	24.7	25.1
12H	23.2	24.0	23.7	24.4	24.8	23.5	24.2	23.9	24.6	25.0
8H 4H	23.4	24.2	23.8	24.6	24.9	23.6	24.4	24.0	24.8	25.2
6H	23.4	24.1	23.8	24.5	24.9	23.6	24.3	24.0	24.7	25.1
8H	23.4	23.9	23.8	24.4	24.8	23.6	24.2	24.0	24.6	25.0
12H	23.3	23.8	23.8	24.3	24.7	23.5	24.0	24.0	24.5	24.9
12H 4H	23.3	24.1	23.8	24.5	24.9	23.6	24.3	24.0	24.7	25.1
6H	23.3	23.9	23.8	24.4	24.8	23.6	24.2	24.0	24.6	25.0
8H	23.3	23.8	23.8	24.3	24.7	23.5	24.0	24.0	24.5	25.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.4				
1.5H	+ 0.3 / - 0.5					+ 0.2 / - 0.5				
2.0H	+ 0.6 / - 0.6					+ 0.5 / - 0.5				

CIE Pub.117, 13641 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 9.1$)
Area: 0.024 m²

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-20

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.26V I:0.6684A P:80.177W PF:0.9974 Freq:59.98Hz Lamp Flux:13641.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

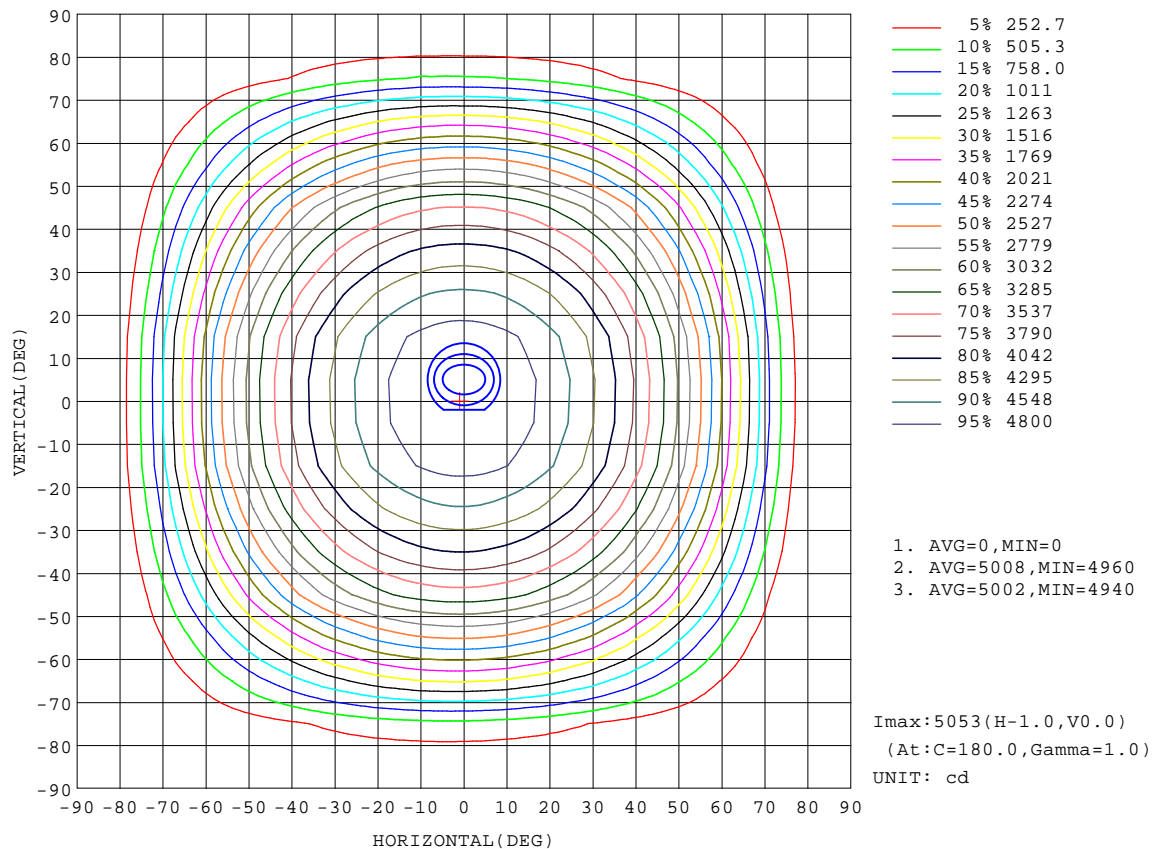
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	58	47	41	57	47	40	34
0.80	69	58	51	68	58	51	67	57	51	44
1.00	78	68	61	77	67	60	75	68	60	53
1.25	85	76	69	84	75	68	81	73	68	61
1.50	90	81	75	89	80	74	86	79	73	66
2.00	97	89	83	95	88	83	92	86	81	74
2.50	101	94	88	99	92	87	95	90	85	78
3.00	104	98	93	102	96	92	98	93	90	81
4.00	108	103	98	105	101	97	101	98	94	86
5.00	110	106	102	108	104	100	103	100	97	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-20

$V(B)$ Range:-75 - 75DEG
 $V(B)$ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.26V I:0.6684A P:80.177W PF:0.9974 Freq:59.98Hz Lamp Flux:13641.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



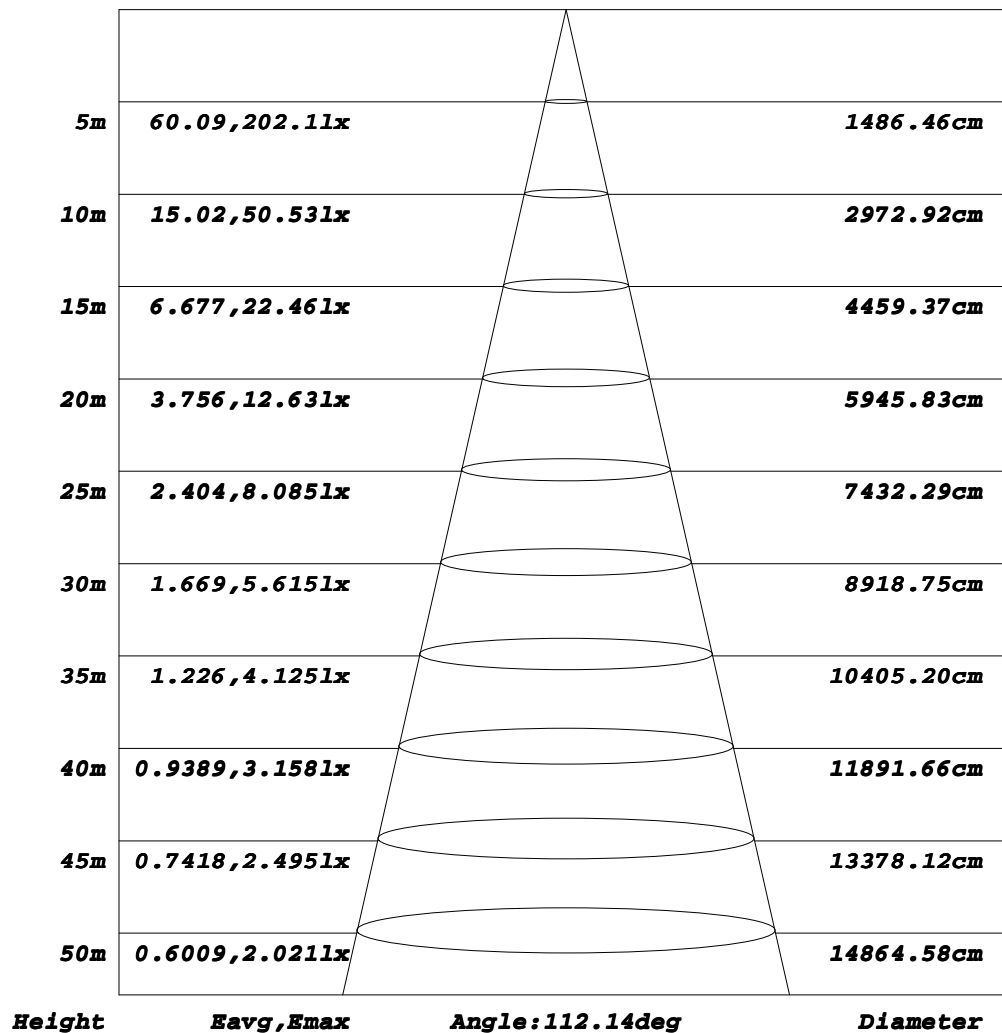
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-20

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.26V I:0.6684A P:80.177W PF:0.9974 Freq:59.98Hz Lamp Flux:13641.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:10773 lm



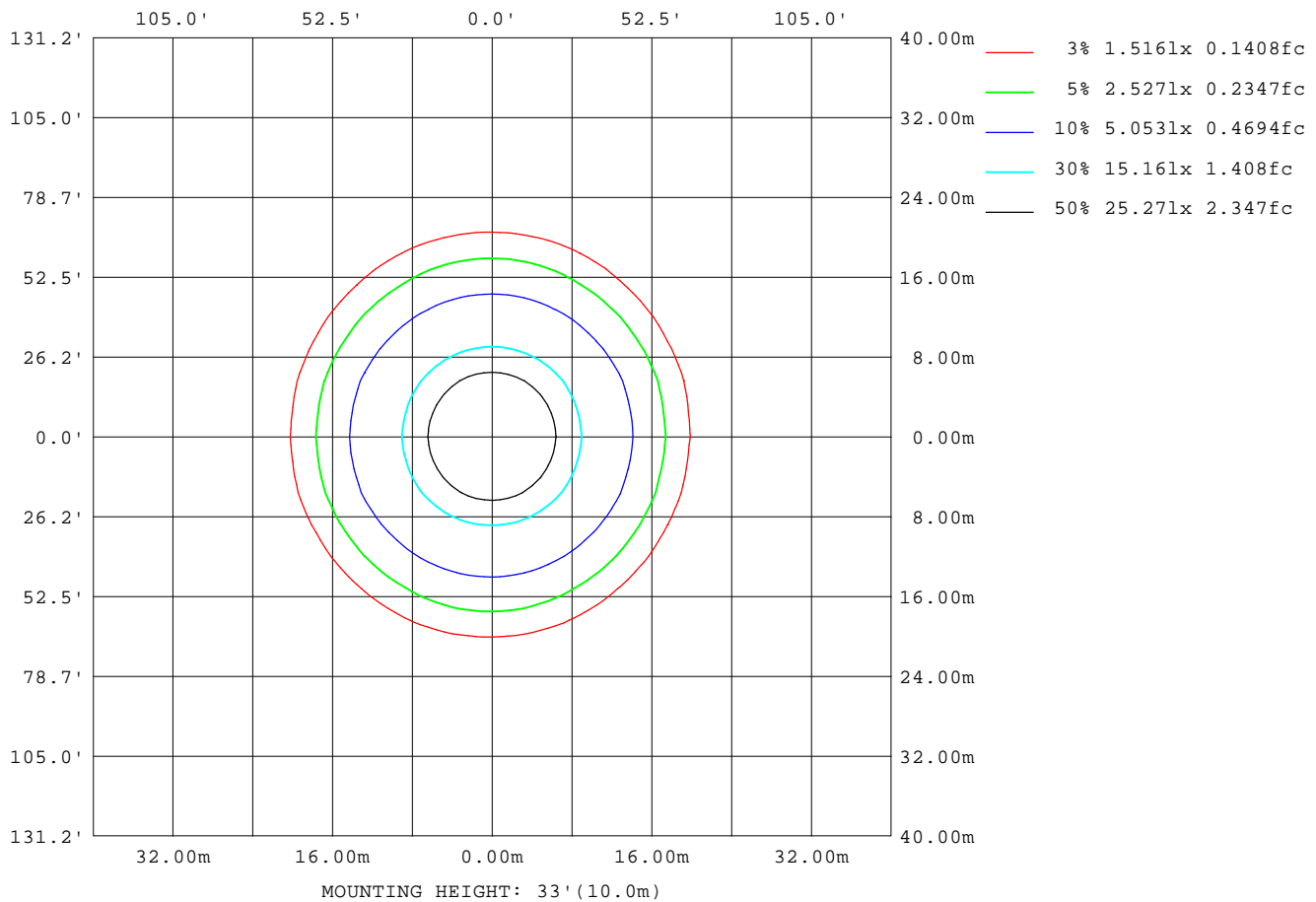
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessy
Test Date: 2024-11-20

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65%
Test Distance: 6.898m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.26V I:0.6684A P:80.177W PF:0.9974 Freq:59.98Hz Lamp Flux:13641.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-20

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.26V I:0.6684A P:80.177W PF:0.9974 Freq:59.98Hz Lamp Flux:13641.1x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:80W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

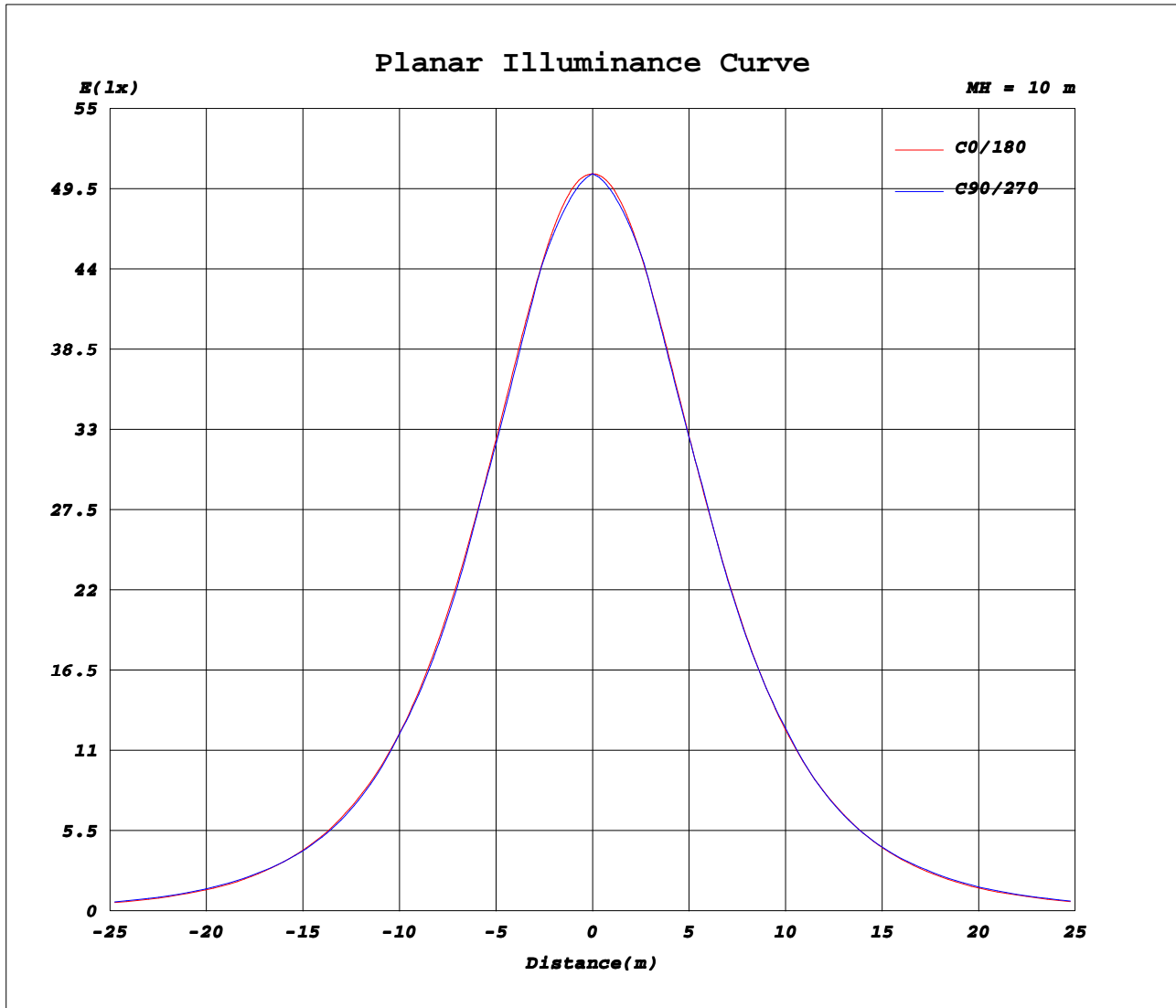
AvgL	cd/m2
L_0~180(65)av	151733
L_0~180(75)av	76343
L_0~180(85)av	9173
L_90~270(65)av	158752
L_90~270(75)av	77320
L_90~270(85)av	0
L_45(65)av	153097
L_45(75)av	89167
L_45(85)av	0

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:2024-11-20

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [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:2024-11-20

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [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	5053	5053	5053	5053	5053	5053	5053	5053	5053	5053
2.5	5049	5047	5044	5042	5040	5038	5036	5034	5032	5031
5.0	5041	5036	5031	5026	5022	5018	5015	5012	5009	5007
7.5	5020	5013	5006	4999	4994	4989	4984	4981	4978	4976
10.0	4988	4978	4969	4961	4954	4949	4945	4943	4940	4939
12.5	4945	4932	4922	4913	4906	4901	4897	4895	4895	4896
15.0	4893	4878	4865	4856	4849	4845	4843	4843	4844	4847
17.5	4829	4812	4798	4789	4782	4780	4780	4783	4789	4795
20.0	4757	4737	4722	4712	4707	4707	4711	4717	4726	4738
22.5	4674	4652	4636	4627	4623	4626	4633	4645	4660	4645
25.0	4581	4556	4540	4531	4530	4536	4548	4565	4548	4535
27.5	4476	4449	4433	4426	4428	4439	4456	4443	4427	4419
30.0	4363	4334	4316	4311	4316	4333	4332	4313	4302	4298
32.5	4240	4209	4192	4189	4198	4217	4191	4178	4172	4173
35.0	4103	4070	4055	4071	4067	4067	4045	4035	4037	4045
37.5	3955	3920	3906	3912	3934	3908	3892	3889	3897	3913
40.0	3799	3762	3748	3758	3768	3741	3731	3736	3752	3761
42.5	3628	3589	3578	3594	3585	3565	3564	3577	3591	3568
45.0	3445	3406	3399	3420	3390	3382	3391	3415	3386	3372
47.5	3253	3213	3210	3225	3193	3188	3212	3200	3176	3171
50.0	3046	3005	3010	3009	2982	2992	3000	2972	2964	2966
52.5	2825	2783	2791	2774	2760	2782	2760	2733	2745	2759
55.0	2579	2541	2559	2524	2519	2540	2505	2496	2515	2544
57.5	2326	2280	2311	2267	2275	2256	2245	2252	2273	2267
60.0	2049	2009	2014	1991	2012	1974	1974	2001	1986	1988
62.5	1745	1714	1720	1709	1709	1694	1704	1713	1705	1705
65.0	1473	1433	1419	1430	1408	1408	1425	1424	1426	1426
67.5	1171	1143	1133	1138	1122	1135	1142	1140	1151	1154
70.0	881.6	872.5	860.3	858.1	855.1	864.4	869.6	873.9	882.6	916.0
72.5	635.6	623.6	614.0	603.3	610.1	617.9	614.3	633.8	671.1	691.7
75.0	415.5	397.7	392.6	383.2	400.0	395.4	410.4	452.9	470.7	475.2
77.5	232.0	212.6	213.6	218.4	220.3	234.0	267.0	284.0	280.3	265.8
80.0	97.50	92.63	88.90	98.53	107.3	135.1	140.2	127.1	98.89	95.51
82.5	33.62	30.02	35.39	34.23	52.66	53.39	29.52	29.49	25.22	12.69
85.0	12.35	10.90	13.04	12.77	11.52	7.629	0	0	0	0
87.5	2.507	3.298	2.769	0	0	0	0	0	0	0
90.0	2.647	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	5053	5053	5053	5053	5053	5053	5053	5053	5053	5053
2.5	5029	5028	5027	5026	5025	5025	5025	5025	5025	5026
5.0	5004	5002	5001	4999	4998	4997	4997	4997	4998	4998
7.5	4974	4973	4972	4971	4970	4969	4969	4969	4970	4970
10.0	4938	4938	4939	4940	4940	4940	4941	4941	4942	4942
12.5	4898	4900	4902	4905	4908	4910	4912	4913	4915	4914
15.0	4852	4857	4863	4868	4874	4879	4883	4885	4887	4886
17.5	4802	4811	4813	4807	4802	4800	4798	4797	4798	4799
20.0	4737	4725	4717	4712	4709	4707	4707	4707	4709	4710
22.5	4633	4625	4618	4615	4614	4616	4616	4618	4620	4621
25.0	4526	4521	4518	4517	4518	4521	4525	4528	4530	4531
27.5	4415	4414	4416	4418	4422	4427	4433	4438	4441	4442
30.0	4300	4304	4311	4318	4326	4333	4341	4347	4352	4353
32.5	4180	4192	4204	4216	4205	4198	4196	4197	4199	4202
35.0	4058	4076	4064	4054	4046	4041	4041	4043	4046	4050
37.5	3923	3905	3895	3889	3887	3885	3886	3890	3893	3897
40.0	3740	3727	3723	3723	3725	3728	3731	3736	3741	3744
42.5	3556	3550	3550	3555	3564	3571	3576	3583	3588	3591
45.0	3368	3370	3375	3387	3401	3413	3421	3429	3435	3438
47.5	3177	3188	3200	3217	3216	3212	3207	3208	3212	3218
50.0	2984	3005	2999	2986	2980	2980	2981	2983	2989	2994
52.5	2789	2767	2750	2746	2744	2749	2756	2759	2766	2771
55.0	2520	2510	2499	2504	2508	2516	2530	2534	2542	2548
57.5	2250	2253	2246	2260	2272	2284	2304	2309	2319	2324
60.0	1979	1995	1994	2014	2036	2050	2078	2084	2096	2101
62.5	1709	1733	1742	1767	1785	1789	1808	1809	1818	1825
65.0	1441	1470	1483	1495	1512	1514	1530	1532	1541	1548
67.5	1185	1208	1222	1226	1240	1239	1252	1255	1263	1270
70.0	942.1	952.2	962.2	959.5	968.4	965.0	974.4	978.1	985.4	992.8
72.5	704.8	701.7	703.3	695.2	697.6	691.8	697.5	701.2	707.7	715.5
75.0	471.1	456.6	446.0	432.7	427.2	419.1	420.9	424.5	430.0	438.2
77.5	243.0	216.0	215.9	217.6	217.6	213.6	213.0	213.0	215.0	220.0
80.0	94.80	86.67	74.07	58.21	41.47	25.14	11.97	3.129	0	3.234
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:2024-11-20

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.898m [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	5053	5053	5053	5053	5053	5053	5053	5053	5053	5053
2.5	5026	5026	5027	5028	5029	5030	5031	5032	5034	5036
5.0	4998	4999	5000	5001	5003	5005	5007	5009	5011	5014
7.5	4971	4971	4972	4974	4975	4976	4979	4981	4984	4987
10.0	4943	4943	4943	4944	4944	4945	4945	4946	4948	4951
12.5	4915	4914	4913	4912	4910	4908	4907	4906	4906	4907
15.0	4886	4884	4881	4877	4873	4868	4864	4860	4858	4857
17.5	4802	4806	4812	4818	4826	4824	4817	4810	4805	4801
20.0	4713	4716	4720	4725	4731	4741	4753	4756	4747	4739
22.5	4623	4625	4627	4630	4635	4642	4653	4667	4683	4670
25.0	4533	4534	4534	4534	4536	4541	4549	4560	4576	4596
27.5	4443	4442	4440	4437	4436	4437	4442	4449	4461	4478
30.0	4353	4350	4344	4338	4333	4331	4331	4333	4340	4353
32.5	4208	4216	4225	4239	4229	4222	4216	4213	4214	4221
35.0	4055	4060	4068	4079	4094	4111	4098	4088	4082	4084
37.5	3901	3904	3910	3918	3930	3946	3967	3958	3946	3942
40.0	3747	3748	3752	3757	3764	3774	3787	3811	3807	3795
42.5	3592	3592	3594	3594	3596	3599	3608	3626	3653	3642
45.0	3438	3436	3436	3431	3427	3421	3427	3438	3457	3484
47.5	3226	3239	3256	3266	3256	3245	3245	3247	3254	3279
50.0	3001	3013	3024	3040	3058	3069	3060	3053	3048	3064
52.5	2777	2786	2791	2803	2813	2839	2874	2852	2839	2840
55.0	2552	2558	2558	2565	2567	2586	2616	2641	2627	2606
57.5	2328	2330	2326	2328	2321	2333	2353	2369	2400	2370
60.0	2104	2101	2093	2089	2073	2080	2086	2097	2110	2135
62.5	1835	1839	1844	1847	1825	1826	1819	1825	1826	1848
65.0	1558	1562	1569	1573	1564	1570	1553	1553	1548	1564
67.5	1280	1285	1294	1300	1298	1307	1292	1282	1276	1284
70.0	1003	1009	1021	1030	1034	1046	1039	1030	1011	1011
72.5	725.4	734.4	748.2	760.9	772.5	787.1	791.0	790.9	787.5	761.8
75.0	448.0	460.1	476.5	494.1	512.5	531.8	547.3	560.8	569.7	559.5
77.5	227.5	237.7	250.1	262.0	271.9	280.1	307.6	337.4	359.9	369.6
80.0	12.79	28.02	47.85	70.31	93.47	114.1	130.4	145.1	158.0	189.3
82.5	0	0	0	0	0	0	0	19.48	43.15	58.38
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	5053	5053	5053	5053	5053	5053	5053	5053	5053	5053
2.5	5038	5040	5042	5044	5046	5049	5051	5049	5047	5045
5.0	5017	5021	5025	5029	5034	5039	5044	5040	5036	5032
7.5	4990	4995	5000	5005	5011	5018	5026	5020	5014	5010
10.0	4954	4958	4964	4970	4978	4987	4997	4989	4982	4976
12.5	4909	4913	4918	4925	4934	4945	4957	4948	4939	4933
15.0	4858	4860	4865	4872	4882	4894	4909	4897	4888	4881
17.5	4800	4800	4803	4809	4819	4832	4849	4836	4826	4820
20.0	4733	4730	4731	4736	4746	4760	4779	4764	4754	4749
22.5	4660	4654	4652	4654	4663	4678	4699	4682	4672	4668
25.0	4580	4569	4563	4564	4572	4587	4610	4592	4582	4580
27.5	4493	4476	4465	4463	4470	4485	4510	4491	4482	4481
30.0	4373	4375	4359	4353	4357	4373	4400	4379	4370	4373
32.5	4237	4264	4245	4235	4237	4252	4280	4258	4250	4255
35.0	4096	4120	4125	4108	4105	4118	4147	4125	4119	4128
37.5	3949	3967	3993	3971	3962	3973	4003	3980	3977	3993
40.0	3793	3805	3833	3823	3810	3819	3851	3827	3827	3847
42.5	3632	3636	3657	3666	3648	3654	3688	3663	3665	3693
45.0	3466	3460	3472	3499	3473	3476	3510	3486	3492	3527
47.5	3293	3276	3279	3310	3292	3289	3322	3300	3313	3340
50.0	3098	3085	3079	3101	3097	3091	3126	3102	3120	3135
52.5	2861	2890	2867	2880	2893	2882	2920	2893	2915	2911
55.0	2620	2658	2643	2639	2669	2650	2686	2663	2695	2674
57.5	2369	2393	2399	2392	2437	2407	2438	2420	2463	2425
60.0	2117	2112	2152	2137	2152	2138	2178	2153	2183	2167
62.5	1860	1842	1864	1865	1868	1865	1884	1877	1892	1898
65.0	1572	1571	1573	1588	1579	1579	1605	1595	1600	1621
67.5	1291	1299	1287	1303	1289	1305	1310	1320	1310	1327
70.0	1016	1019	1020	1018	1019	1028	1033	1043	1032	1042
72.5	755.5	761.8	767.4	763.4	768.4	770.3	766.6	779.6	771.6	780.3
75.0	533.4	522.3	534.4	530.6	533.0	533.5	533.0	537.0	535.0	546.3
77.5	360.8	334.8	328.7	338.9	328.4	326.9	328.2	326.3	330.0	346.4

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

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-20

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.898m [K=1.0000]

Remarks:

Photometric Data Table [cd]

80.0	203.6	203.2	181.2	179.9	170.3	170.7	168.6	167.2	169.9	183.3
82.5	62.04	86.25	93.91	79.72	75.25	69.78	67.80	65.60	73.34	79.68
85.0	0	13.53	24.64	33.97	26.72	27.70	26.03	25.38	25.42	32.64
87.5	0	0	0	0	7.568	8.492	7.118	6.983	6.274	0
90.0	0	0	0	0	0	0	2.435	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	5053	5053	5053	5053	5053	5053	5053	5053	5053	5053
2.5	5044	5042	5041	5039	5038	5037	5036	5035	5034	5034
5.0	5029	5026	5023	5021	5019	5017	5016	5015	5013	5012
7.5	5006	5002	4999	4997	4995	4993	4992	4991	4990	4990
10.0	4972	4968	4965	4964	4963	4963	4963	4964	4964	4965
12.5	4929	4926	4924	4924	4925	4926	4929	4932	4936	4938
15.0	4877	4875	4876	4878	4881	4886	4891	4896	4903	4909
17.5	4818	4818	4821	4825	4832	4841	4849	4858	4861	4855
20.0	4747	4751	4758	4767	4778	4791	4791	4780	4772	4767
22.5	4670	4677	4687	4701	4719	4706	4695	4687	4681	4678
25.0	4584	4594	4610	4630	4614	4602	4595	4590	4588	4587
27.5	4489	4505	4526	4515	4503	4494	4491	4491	4492	4496
30.0	4385	4407	4410	4394	4385	4383	4384	4388	4395	4403
32.5	4272	4300	4277	4266	4262	4266	4274	4284	4295	4308
35.0	4152	4154	4137	4131	4134	4144	4159	4177	4164	4154
37.5	4023	4002	3989	3990	4001	4019	4032	4016	4005	3999
40.0	3864	3842	3836	3844	3864	3875	3859	3848	3843	3843
42.5	3692	3676	3677	3694	3711	3693	3685	3679	3680	3685
45.0	3507	3502	3514	3538	3518	3508	3506	3508	3514	3527
47.5	3316	3320	3344	3338	3321	3320	3325	3340	3348	3367
50.0	3118	3132	3152	3127	3120	3130	3145	3170	3157	3145
52.5	2907	2937	2921	2909	2915	2937	2964	2938	2920	2914
55.0	2684	2705	2682	2684	2708	2731	2710	2688	2680	2682
57.5	2446	2445	2433	2450	2490	2461	2452	2439	2439	2449
60.0	2192	2173	2182	2216	2205	2192	2190	2191	2195	2216
62.5	1903	1900	1932	1927	1919	1924	1926	1943	1951	1980
65.0	1614	1629	1646	1641	1638	1656	1662	1690	1685	1697
67.5	1327	1358	1358	1360	1363	1386	1396	1414	1409	1417
70.0	1059	1072	1080	1082	1096	1122	1131	1142	1135	1138
72.5	799.5	803.2	812.7	825.8	857.8	867.7	872.4	873.9	864.8	861.2
75.0	558.7	558.8	581.6	610.4	627.0	622.3	617.0	609.0	596.0	586.5
77.5	347.1	362.2	396.8	407.7	403.0	385.1	365.1	347.8	338.4	327.4
80.0	192.2	218.1	225.5	214.1	187.0	175.4	161.5	142.8	116.3	87.73
82.5	98.48	93.36	71.82	68.60	51.68	23.45	0	0	0	0
85.0	24.40	14.63	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	5053	5053	5053	5053	5053	5053	5053	5053	5053	5053
2.5	5033	5032	5032	5032	5032	5031	5031	5031	5031	5032
5.0	5012	5011	5011	5010	5010	5009	5009	5009	5010	5010
7.5	4990	4989	4989	4989	4988	4988	4987	4987	4987	4988
10.0	4966	4967	4967	4968	4967	4966	4965	4964	4963	4962
12.5	4941	4944	4945	4946	4945	4944	4942	4941	4937	4934
15.0	4914	4919	4922	4924	4924	4922	4919	4915	4910	4904
17.5	4850	4847	4844	4842	4840	4840	4841	4842	4845	4849
20.0	4764	4762	4760	4759	4757	4756	4756	4757	4758	4760
22.5	4677	4677	4677	4676	4674	4672	4671	4671	4670	4671
25.0	4589	4591	4592	4592	4591	4589	4587	4584	4582	4580
27.5	4500	4504	4508	4509	4508	4505	4502	4498	4493	4487
30.0	4410	4418	4424	4425	4424	4421	4417	4411	4403	4392
32.5	4297	4291	4286	4281	4278	4277	4279	4283	4289	4297
35.0	4146	4142	4139	4135	4132	4131	4132	4133	4137	4143
37.5	3995	3993	3992	3989	3986	3984	3984	3983	3984	3987
40.0	3843	3843	3844	3843	3840	3838	3837	3833	3831	3829
42.5	3691	3694	3696	3696	3694	3692	3689	3682	3678	3670
45.0	3538	3544	3549	3550	3548	3546	3540	3532	3524	3509
47.5	3363	3351	3343	3337	3332	3334	3333	3339	3348	3347
50.0	3138	3130	3125	3122	3117	3118	3114	3115	3119	3122
52.5	2912	2908	2907	2906	2901	2902	2895	2892	2889	2886
55.0	2686	2686	2689	2690	2685	2686	2676	2667	2659	2650
57.5	2460	2464	2470	2474	2470	2469	2456	2443	2429	2413
60.0	2235	2242	2252	2257	2254	2253	2237	2218	2199	2175
62.5	1986	1978	1977	1973	1967	1968	1960	1952	1947	1935
65.0	1702	1693	1693	1687	1680	1680	1673	1667	1662	1653
67.5	1418	1409	1408	1400	1392	1393	1387	1382	1378	1372
70.0	1136	1125	1124	1114	1105	1105	1102	1097	1095	1091

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

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-20

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.898m [K=1.0000]

Remarks:

Photometric Data Table [cd]

72.5	853.7	842.1	839.9	827.2	817.8	818.1	816.6	813.3	813.3	813.1
75.0	572.4	559.4	556.4	540.8	530.6	530.9	531.6	529.7	532.6	536.9
77.5	310.3	294.8	285.7	272.2	265.3	267.1	272.2	277.1	284.6	290.3
80.0	59.27	34.74	16.06	4.000	0	3.924	15.30	32.62	54.38	77.82
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	5053	5053	5053	5053	5053	5053	5053	5053	5053	5053
2.5	5032	5033	5034	5035	5036	5038	5039	5040	5042	5044
5.0	5011	5013	5014	5015	5017	5019	5021	5024	5026	5030
7.5	4988	4988	4989	4989	4990	4992	4994	4997	5000	5004
10.0	4961	4959	4958	4958	4957	4958	4959	4961	4964	4968
12.5	4930	4927	4923	4920	4917	4915	4915	4915	4918	4922
15.0	4897	4890	4883	4877	4871	4866	4864	4862	4863	4867
17.5	4855	4851	4840	4829	4820	4811	4805	4800	4799	4801
20.0	4765	4771	4779	4777	4762	4749	4738	4731	4727	4727
22.5	4673	4676	4681	4689	4699	4681	4666	4654	4647	4645
25.0	4578	4578	4579	4584	4594	4608	4587	4570	4557	4551
27.5	4481	4477	4474	4475	4481	4492	4499	4475	4459	4449
30.0	4383	4373	4366	4362	4363	4367	4381	4374	4350	4336
32.5	4283	4268	4255	4245	4238	4238	4244	4262	4233	4216
35.0	4151	4160	4141	4123	4110	4101	4102	4116	4111	4086
37.5	3989	3997	4012	3998	3976	3960	3954	3962	3978	3946
40.0	3826	3829	3838	3853	3838	3813	3799	3799	3816	3795
42.5	3660	3657	3661	3668	3683	3659	3637	3629	3638	3635
45.0	3494	3486	3481	3480	3485	3503	3471	3452	3451	3466
47.5	3326	3314	3298	3287	3282	3297	3300	3265	3255	3274
50.0	3132	3139	3114	3092	3075	3081	3101	3073	3051	3060
52.5	2891	2906	2928	2891	2867	2857	2859	2873	2836	2834
55.0	2646	2651	2666	2679	2655	2619	2616	2639	2607	2584
57.5	2399	2397	2400	2403	2428	2379	2360	2367	2358	2333
60.0	2150	2142	2130	2128	2132	2141	2104	2081	2105	2068
62.5	1900	1885	1859	1853	1838	1845	1836	1803	1806	1784
65.0	1633	1624	1589	1577	1554	1553	1546	1523	1509	1512
67.5	1358	1351	1321	1299	1275	1266	1257	1242	1217	1222
70.0	1085	1081	1061	1039	1006	982.2	975.0	962.5	944.5	931.8
72.5	813.3	814.0	805.9	793.2	776.8	730.9	709.4	702.5	693.1	674.2
75.0	543.0	550.6	555.5	557.2	552.4	529.9	486.2	465.3	463.3	446.3
77.5	291.3	291.3	309.7	329.3	340.3	341.1	321.3	287.3	266.2	262.8
80.0	99.88	118.4	130.1	136.2	138.1	163.7	172.4	167.7	134.9	124.7
82.5	0	0	0	18.17	36.51	44.40	41.55	66.33	67.27	45.72
85.0	0	0	0	0	0	0	0	9.421	15.42	17.03
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	5053	5053								
2.5	5046	5047								
5.0	5033	5037								
7.5	5009	5014								
10.0	4973	4980								
12.5	4928	4935								
15.0	4873	4882								
17.5	4807	4816								
20.0	4732	4742								
22.5	4648	4658								
25.0	4553	4563								
27.5	4448	4457								
30.0	4333	4342								
32.5	4211	4219								
35.0	4076	4080								
37.5	3929	3932								
40.0	3774	3775								
42.5	3607	3604								
45.0	3430	3422								
47.5	3242	3229								
50.0	3044	3023								
52.5	2829	2802								
55.0	2599	2561								
57.5	2360	2306								
60.0	2058	2030								
62.5	1774	1743								

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-20

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.898m [K=1.0000]

Remarks:

Photometric Data Table [cd]

65.0	1476	1457
67.5	1186	1172
70.0	912.9	900.8
72.5	664.0	646.6
75.0	438.9	421.6
77.5	246.0	230.8
80.0	110.3	105.7
82.5	44.69	35.92
85.0	15.66	13.88
87.5	2.402	2.815
90.0	0	0

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-20

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.898m [K=1.0000]
Remarks: