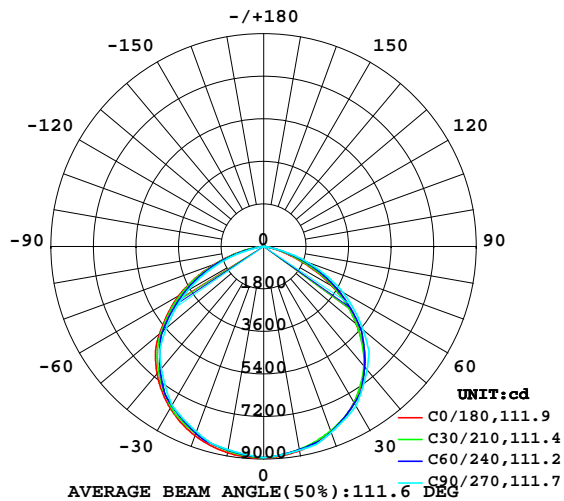


LUMINAIRE PHOTOMETRIC TEST REPORT

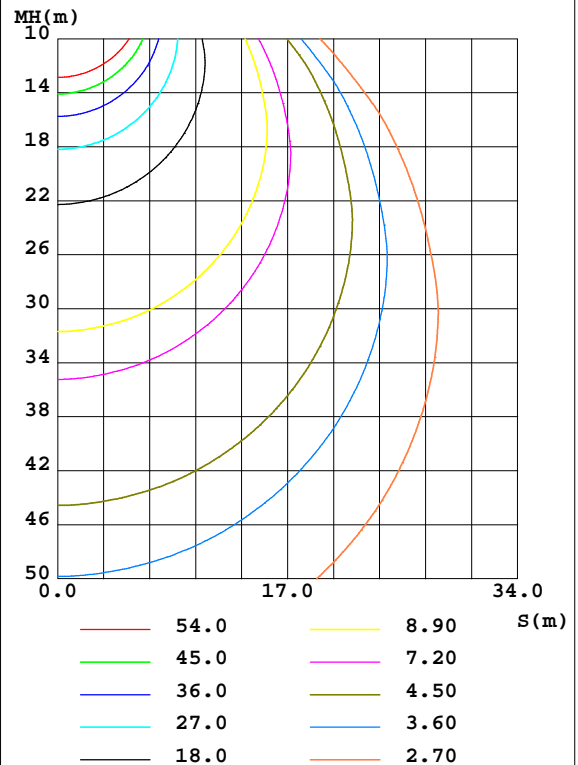
Test:U:120.02V I:1.3523A P:147.09W PF:0.9063 Freq:59.98Hz Lamp Flux:24306.4x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 165.25 lm/W			
MODEL	GST-24-U1	Imax(cd)	8946	S/MH(C0/180)	1.31
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	24306	η UP,DN(C0-180)	0.0,50.2
NOMINAL FLUX(lm)	24306.4	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.8
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:2024-10-14

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	8778	8710	8754	8780	8861	8759	8730	8692	0- 10	842.4	842.4	3.47,3.47
20	8343	8362	8375	8498	8519	8452	8339	8317	10- 20	2430	3272	13.5,13.5
30	7640	7614	7803	7818	7903	7774	7764	7582	20- 30	3725	6998	28.8,28.8
40	6651	6704	6806	6978	7028	6939	6739	6667	30- 40	4561	11559	47.6,47.6
50	5119	5220	5491	5594	5755	5585	5383	5161	40- 50	4739	16298	67.1,67.1
60	3319	3502	3858	3998	4145	3960	3697	3403	50- 60	4096	20395	83.9,83.9
70	1363	1686	1985	2215	2229	2126	1839	1573	60- 70	2763	23157	95.3,95.3
80	192.4	250.4	0	496.5	558.7	431.3	0	218.7	70- 80	1087	24244	99.7,99.7
90	8.149	0	0	0	7.101	0	0	0	80- 90	61.99	24306	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): 13956 lm

%lum = 57.4%

%lamp = 57.4%

Conical surface Flux(120deg): 20395 lm

%lum = 83.9%

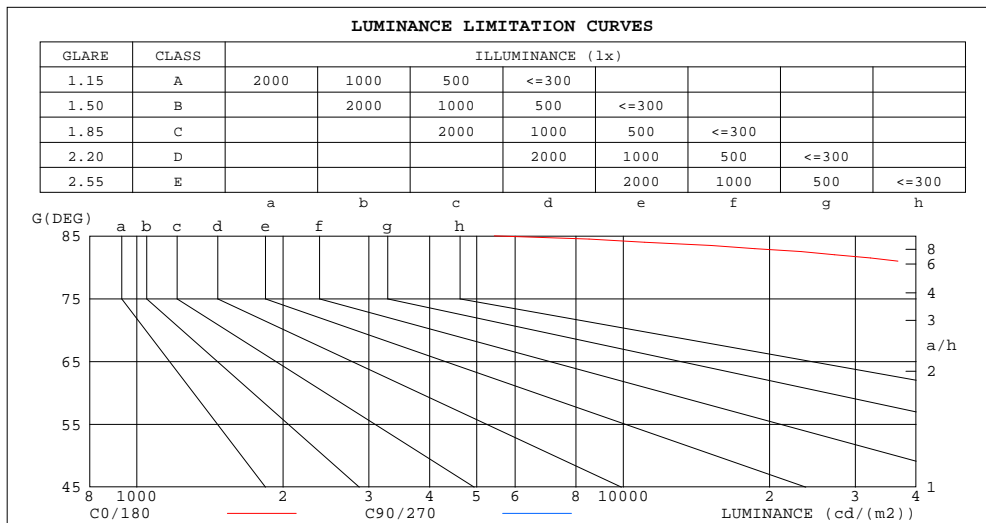
%lamp = 83.9%

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:120.02V I:1.3523A P:147.09W PF:0.9063 Freq:59.98Hz Lamp Flux:24306.4x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W	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	5434	0
80	46168	0
75	102660	168856
70	166022	241848
65	227700	288039
60	276559	321488
55	312177	339581
50	331830	355961
45	351340	371710

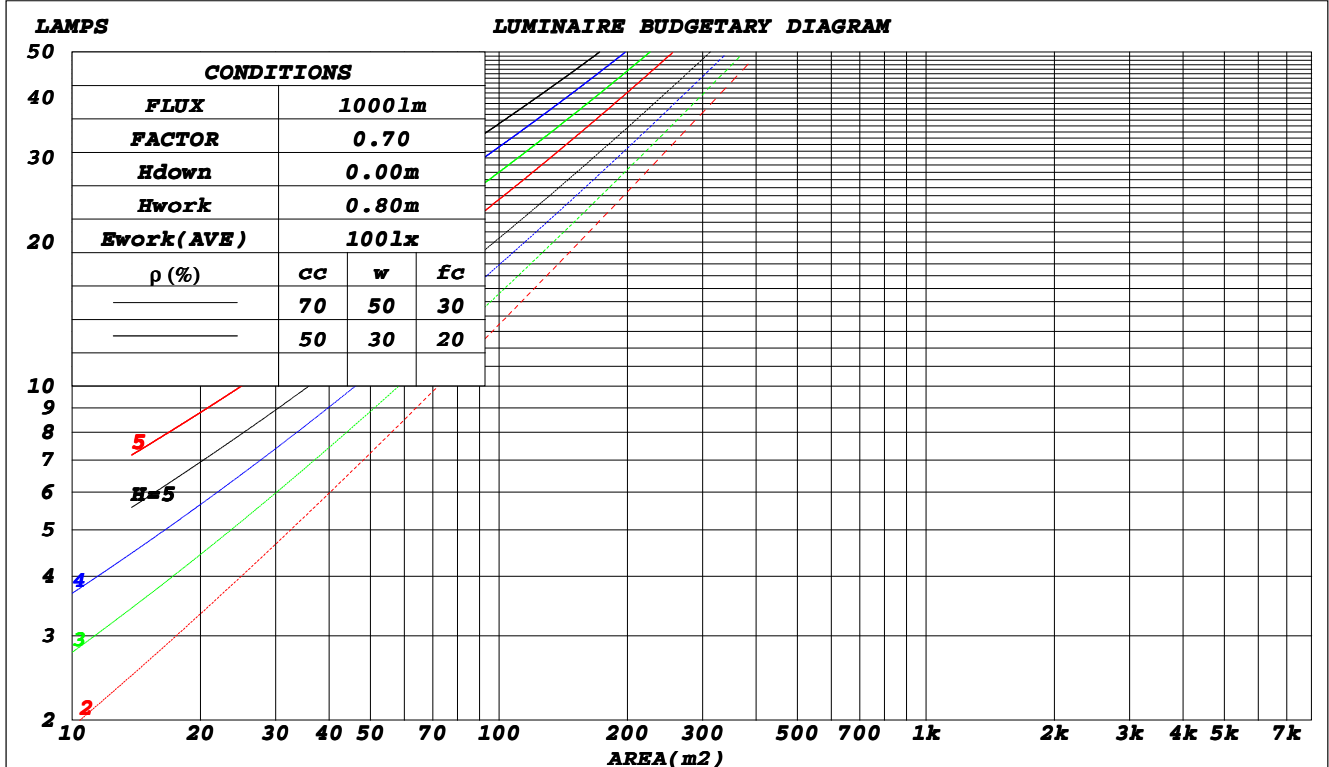
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-14

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:120.02V I:1.3523A P:147.09W PF:0.9063 Freq:59.98Hz Lamp Flux:24306.4x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W	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	.67	.64	.62
4.0	.72	.64	.58	.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	.42	.38	.48	.42	.37	.35
8.0	.48	.40	.34	.48	.40	.34	.46	.39	.34	.45	.38	.34	.44	.38	.33	.31
9.0	.44	.36	.31	.44	.36	.31	.42	.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:2024-10-14

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:120.02V I:1.3523A P:147.09W PF:0.9063 Freq:59.98Hz Lamp Flux:24306.4x1 lm					
NAME: LED Explosion-proof Light			TYPE:Flood Light		WEIGHT:N/A
SPEC.:150W			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	.155	.049	.258	.148	.047	.246	.142	.046	.235	.136	.044		
2.0	.271	.148	.046	.265	.146	.045	.253	.141	.044	.243	.136	.043	.233	.132	.042		
3.0	.255	.136	.041	.250	.134	.040	.240	.130	.040	.230	.126	.039	.222	.123	.038		
4.0	.239	.124	.036	.234	.122	.036	.225	.119	.036	.216	.116	.035	.209	.113	.035		
5.0	.223	.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	.121	.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(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:120.02V I:1.3523A P:147.09W PF:0.9063 Freq:59.98Hz Lamp Flux:24306.4x1 lm											
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A			
SPEC.:150W					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	2H	21.5	22.9	21.7	23.1	23.3	22.0	23.4	22.2	23.6	23.8
	3H	22.2	23.6	22.5	23.8	24.1	23.1	24.5	23.4	24.7	24.9
	4H	22.3	23.6	22.6	23.9	24.1	23.4	24.6	23.7	24.9	25.1
	6H	22.3	23.5	22.6	23.8	24.0	23.3	24.5	23.7	24.8	25.1
	8H	22.2	23.4	22.6	23.7	24.0	23.3	24.4	23.6	24.7	25.0
	12H	22.2	23.3	22.5	23.6	23.9	23.2	24.3	23.6	24.6	24.9
4H	2H	22.0	23.3	22.3	23.5	23.8	22.4	23.7	22.7	23.9	24.2
	3H	22.8	24.0	23.2	24.3	24.6	23.6	24.7	24.0	25.0	25.3
	4H	23.0	24.0	23.4	24.3	24.7	23.9	25.0	24.3	25.3	25.6
	6H	23.0	23.9	23.4	24.2	24.6	23.9	24.8	24.3	25.2	25.6
	8H	23.0	23.8	23.4	24.2	24.5	23.9	24.7	24.3	25.1	25.5
	12H	22.9	23.7	23.3	24.1	24.5	23.9	24.6	24.3	25.0	25.4
8H	4H	23.1	23.9	23.5	24.3	24.7	24.0	24.8	24.4	25.2	25.5
	6H	23.1	23.8	23.6	24.2	24.6	24.0	24.7	24.4	25.1	25.5
	8H	23.1	23.7	23.6	24.1	24.6	23.9	24.5	24.4	25.0	25.4
	12H	23.1	23.6	23.5	24.0	24.5	23.9	24.4	24.4	24.9	25.3
12H	4H	23.0	23.8	23.5	24.2	24.6	23.9	24.7	24.4	25.1	25.5
	6H	23.1	23.7	23.5	24.1	24.6	24.0	24.6	24.4	25.0	25.4
	8H	23.1	23.6	23.5	24.0	24.5	23.9	24.4	24.4	24.9	25.4
Variations with the observer position at spacings:											
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.3					
1.5H	+ 0.3 / - 0.5					+ 0.2 / - 0.4					
2.0H	+ 0.5 / - 0.5					+ 0.5 / - 0.5					

CIE Pub.117, 24306 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 11.1$)
Area: 0.024 m²

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

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:120.02V I:1.3523A P:147.09W PF:0.9063 Freq:59.98Hz Lamp Flux:24306.4x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

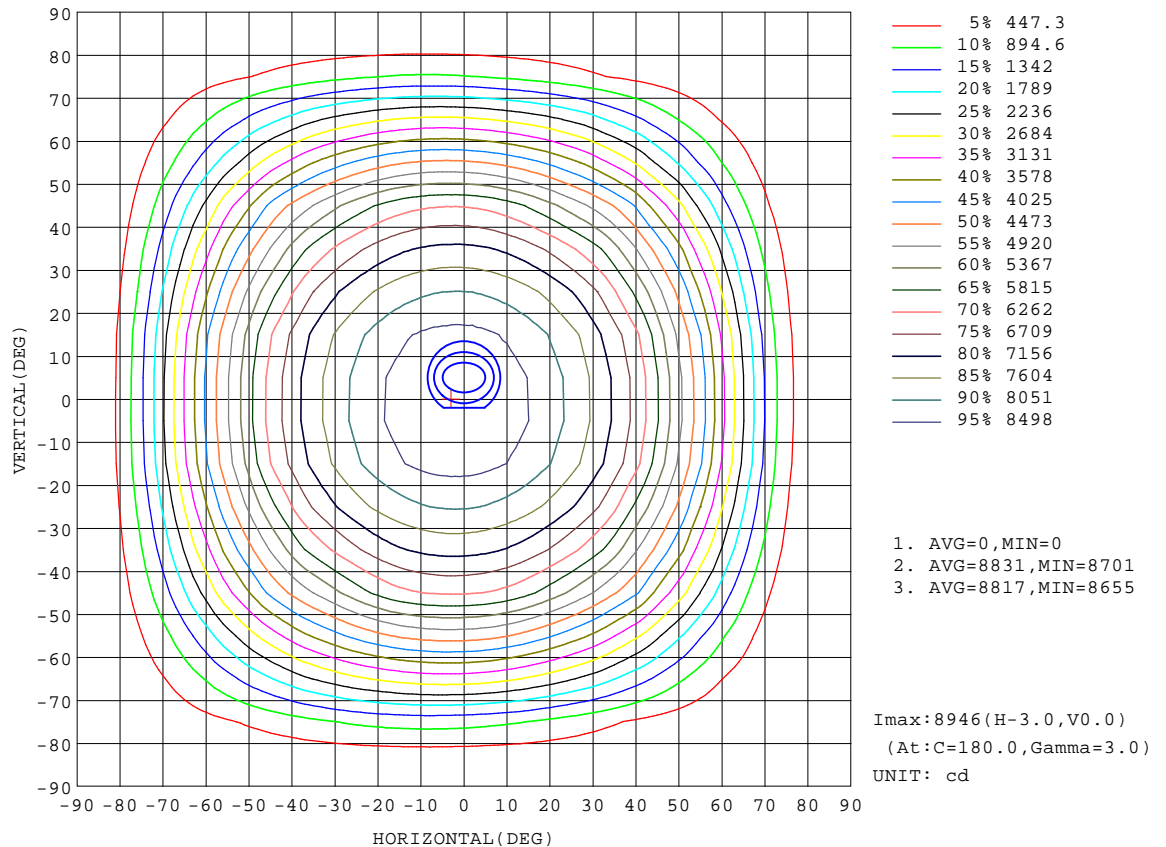
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	47	41	58	47	41	57	47	40	34
0.80	69	58	51	68	58	51	67	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	93	88	99	92	87	95	90	85	77
3.00	104	98	93	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:120.02V I:1.3523A P:147.09W PF:0.9063 Freq:59.98Hz Lamp Flux:24306.4x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



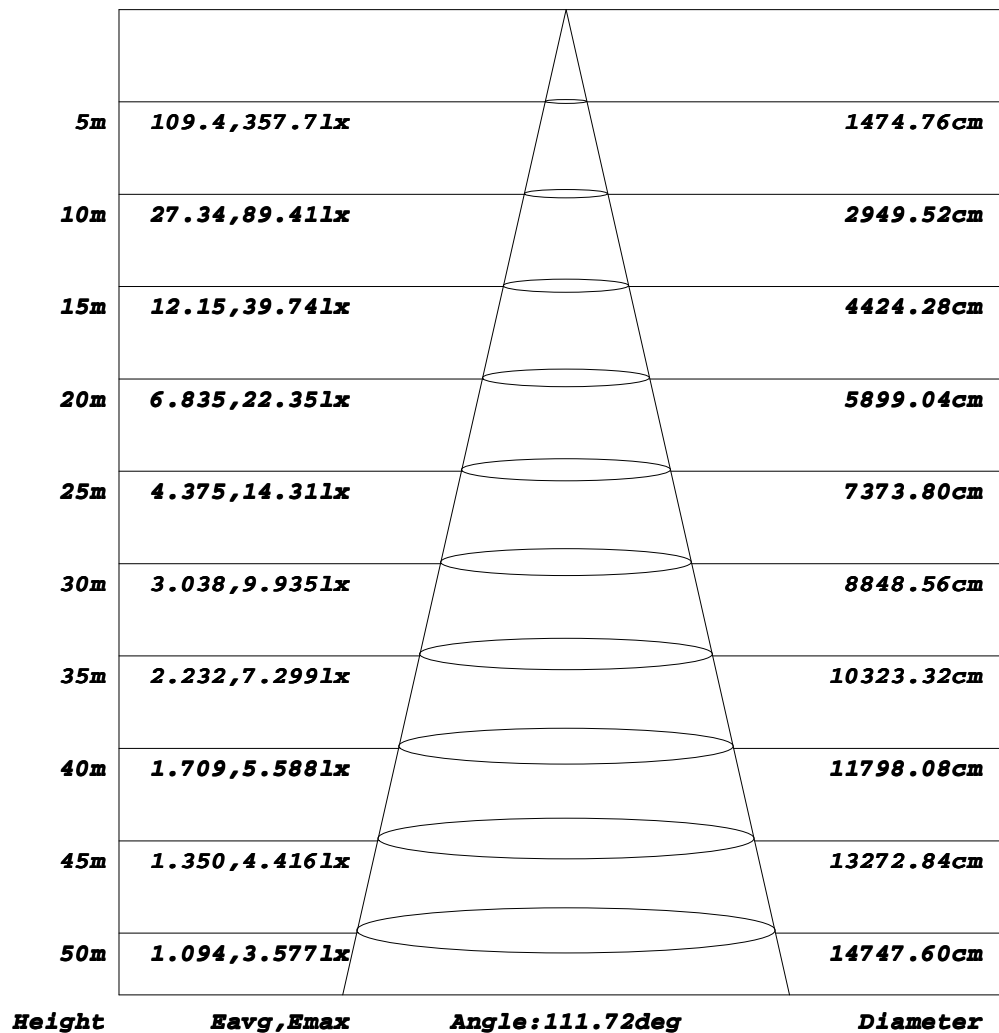
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-14

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:120.02V I:1.3523A P:147.09W PF:0.9063 Freq:59.98Hz Lamp Flux:24306.4x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:18880 lm



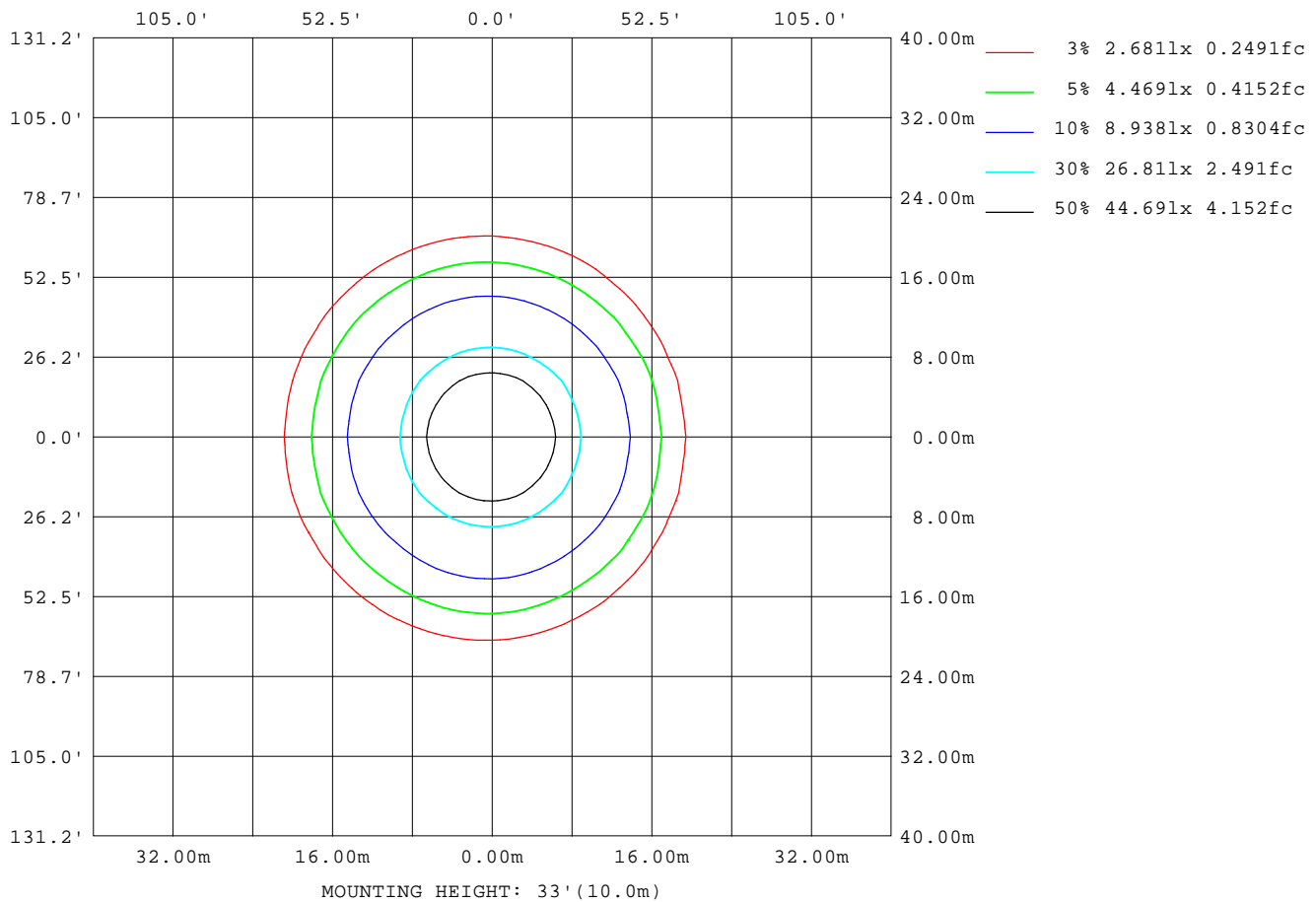
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:120.02V I:1.3523A P:147.09W PF:0.9063 Freq:59.98Hz Lamp Flux:24306.4x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W	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:2024-10-14

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:120.02V I:1.3523A P:147.09W PF:0.9063 Freq:59.98Hz Lamp Flux:24306.4x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

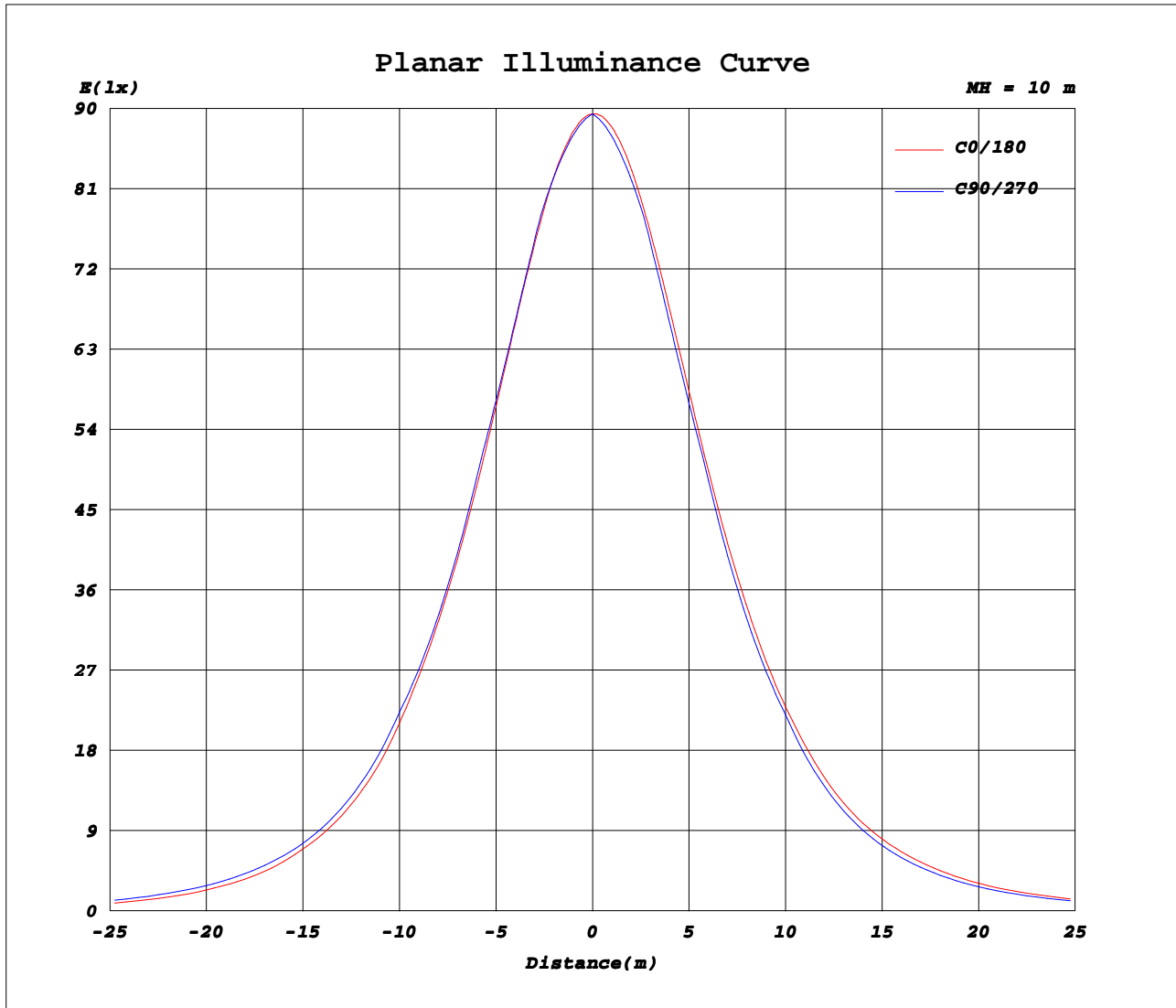
AvgL	cd/m2
L_0~180(65)av	271445
L_0~180(75)av	156380
L_0~180(85)av	13228
L_90~270(65)av	280478
L_90~270(75)av	157695
L_90~270(85)av	0
L_45(65)av	275071
L_45(75)av	175750
L_45(85)av	0

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	8938	8938	8938	8938	8938	8938	8938	8938	8938	8938
2.5	8922	8918	8914	8911	8908	8905	8903	8901	8899	8897
5.0	8882	8875	8868	8862	8857	8853	8850	8847	8846	8844
7.5	8834	8823	8812	8803	8795	8790	8787	8787	8784	8781
10.0	8778	8762	8748	8736	8726	8718	8714	8714	8712	8710
12.5	8695	8676	8661	8649	8639	8632	8630	8633	8635	8637
15.0	8594	8571	8554	8541	8534	8531	8534	8540	8545	8556
17.5	8472	8447	8429	8418	8411	8412	8422	8431	8448	8466
20.0	8343	8313	8292	8280	8275	8278	8294	8312	8338	8362
22.5	8192	8158	8136	8127	8129	8139	8157	8181	8218	8203
25.0	8026	7989	7966	7958	7964	7981	8009	8046	8025	8013
27.5	7844	7804	7781	7774	7785	7811	7850	7837	7822	7818
30.0	7640	7597	7575	7573	7594	7627	7636	7617	7611	7614
32.5	7419	7374	7356	7356	7385	7427	7399	7385	7390	7406
35.0	7177	7130	7114	7125	7163	7169	7149	7147	7160	7189
37.5	6925	6874	6859	6881	6926	6893	6886	6897	6926	6965
40.0	6651	6598	6586	6614	6630	6589	6601	6635	6682	6704
42.5	6346	6275	6266	6319	6294	6246	6275	6354	6403	6346
45.0	5962	5885	5876	5939	5910	5881	5907	6025	6017	5979
47.5	5529	5462	5471	5519	5489	5499	5528	5578	5610	5603
50.0	5119	5056	5072	5097	5085	5117	5141	5147	5194	5220
52.5	4713	4653	4681	4681	4683	4741	4724	4744	4789	4830
55.0	4297	4242	4283	4250	4291	4325	4287	4334	4404	4439
57.5	3843	3774	3840	3793	3852	3869	3842	3899	4028	3970
60.0	3319	3266	3306	3317	3368	3389	3396	3460	3522	3502
62.5	2842	2804	2812	2842	2874	2877	2955	2965	3013	3029
65.0	2310	2285	2313	2359	2389	2407	2475	2481	2525	2561
67.5	1840	1825	1828	1887	1895	1959	1980	2011	2052	2093
70.0	1363	1367	1384	1413	1453	1504	1523	1557	1602	1686
72.5	970.3	974.5	991.4	999.9	1048	1081	1099	1152	1235	1299
75.0	637.7	626.5	643.8	649.3	704.0	709.7	754.5	841.4	894.6	925.7
77.5	382.6	373.2	385.7	403.3	423.7	442.4	507.3	555.3	572.1	564.5
80.0	192.4	191.4	198.9	217.7	236.1	269.3	289.0	291.1	264.7	250.4
82.5	72.67	70.88	90.17	97.17	124.5	120.0	96.64	94.40	72.77	33.50
85.0	11.37	19.21	32.15	38.80	35.58	20.77	0	0	0	0
87.5	7.580	10.31	8.803	0	0	0	0	0	0	0
90.0	8.149	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	8938	8938	8938	8938	8938	8938	8938	8938	8938	8938
2.5	8896	8895	8894	8894	8893	8892	8892	8892	8892	8894
5.0	8843	8843	8843	8844	8844	8846	8846	8846	8846	8850
7.5	8781	8784	8788	8790	8793	8796	8799	8800	8800	8806
10.0	8717	8722	8724	8733	8740	8745	8751	8755	8754	8763
12.5	8647	8649	8663	8671	8684	8694	8702	8709	8708	8718
15.0	8568	8580	8593	8610	8623	8642	8652	8662	8662	8672
17.5	8482	8505	8512	8504	8507	8509	8513	8518	8519	8529
20.0	8372	8358	8354	8350	8348	8356	8365	8371	8375	8386
22.5	8194	8191	8185	8189	8193	8203	8215	8224	8232	8243
25.0	8011	8014	8021	8029	8037	8048	8065	8077	8089	8100
27.5	7821	7834	7848	7861	7879	7893	7916	7931	7946	7956
30.0	7628	7647	7673	7697	7722	7740	7768	7784	7803	7812
32.5	7428	7458	7494	7526	7518	7519	7528	7539	7554	7567
35.0	7225	7268	7252	7250	7249	7259	7272	7289	7305	7319
37.5	6996	6961	6952	6959	6981	6998	7016	7039	7056	7071
40.0	6658	6640	6646	6671	6703	6737	6762	6787	6806	6823
42.5	6315	6313	6330	6371	6423	6474	6508	6536	6557	6576
45.0	5964	5975	6010	6068	6140	6206	6254	6285	6308	6328
47.5	5606	5636	5684	5764	5807	5842	5865	5880	5900	5926
50.0	5241	5287	5317	5338	5375	5416	5448	5469	5491	5517
52.5	4871	4865	4877	4903	4947	4990	5030	5058	5083	5108
55.0	4419	4423	4439	4470	4516	4565	4612	4647	4675	4699
57.5	3966	3982	4002	4038	4086	4140	4193	4236	4266	4290
60.0	3508	3545	3569	3609	3660	3716	3775	3824	3858	3882
62.5	3049	3107	3138	3182	3222	3267	3315	3357	3390	3417
65.0	2591	2668	2696	2727	2765	2807	2849	2889	2922	2950
67.5	2150	2224	2252	2277	2310	2348	2385	2421	2453	2483
70.0	1731	1787	1811	1829	1857	1891	1921	1952	1985	2016
72.5	1325	1357	1373	1384	1406	1435	1458	1484	1517	1548
75.0	929.1	935.8	938.4	942.0	957.2	979.9	995.7	1017	1049	1081
77.5	541.6	522.2	525.1	525.5	523.4	520.3	512.8	512.1	524.4	545.4
80.0	236.7	213.0	179.8	140.7	99.89	61.25	28.80	7.523	0	8.017
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	8938	8938	8938	8938	8938	8938	8938	8938	8938	8938
2.5	8896	8899	8902	8904	8905	8907	8909	8911	8914	8917
5.0	8855	8857	8858	8860	8865	8870	8873	8875	8878	8882
7.5	8810	8810	8815	8819	8818	8821	8827	8832	8837	8843
10.0	8763	8767	8769	8768	8774	8777	8778	8780	8785	8790
12.5	8717	8722	8720	8724	8724	8722	8724	8721	8723	8726
15.0	8673	8671	8676	8673	8669	8665	8660	8655	8651	8648
17.5	8541	8550	8566	8581	8600	8602	8591	8579	8571	8563
20.0	8395	8408	8420	8434	8451	8469	8492	8498	8481	8466
22.5	8251	8263	8272	8283	8296	8311	8331	8355	8383	8362
25.0	8108	8116	8122	8129	8137	8148	8164	8184	8210	8244
27.5	7963	7968	7970	7972	7975	7983	7992	8004	8024	8052
30.0	7816	7818	7817	7813	7812	7812	7812	7818	7830	7852
32.5	7584	7603	7625	7653	7646	7631	7626	7625	7628	7642
35.0	7336	7352	7370	7392	7426	7456	7440	7424	7418	7425
37.5	7088	7101	7116	7135	7149	7178	7226	7220	7205	7199
40.0	6838	6849	6858	6867	6872	6885	6916	6978	6983	6962
42.5	6587	6598	6599	6598	6583	6582	6596	6646	6725	6720
45.0	6337	6343	6338	6322	6289	6266	6268	6304	6375	6466
47.5	5956	5993	6032	6041	5987	5945	5928	5950	6011	6099
50.0	5546	5577	5611	5629	5635	5613	5583	5594	5643	5701
52.5	5135	5161	5187	5198	5205	5208	5231	5234	5269	5284
55.0	4724	4745	4763	4771	4775	4780	4804	4864	4888	4881
57.5	4312	4328	4339	4347	4353	4357	4378	4432	4500	4492
60.0	3901	3912	3916	3924	3935	3937	3955	3998	4042	4117
62.5	3444	3463	3478	3503	3520	3521	3533	3560	3583	3638
65.0	2978	2998	3018	3044	3077	3101	3112	3117	3122	3149
67.5	2511	2534	2557	2586	2617	2641	2671	2669	2663	2675
70.0	2045	2071	2098	2129	2160	2186	2218	2215	2211	2216
72.5	1580	1608	1640	1673	1705	1734	1768	1773	1780	1772
75.0	1115	1147	1184	1218	1252	1285	1322	1342	1362	1362
77.5	577.0	618.1	670.8	727.8	785.4	838.7	881.9	918.5	955.5	975.2
80.0	32.44	72.89	128.3	195.6	270.4	348.9	426.2	496.5	558.4	605.8
82.5	0	0	0	0	0	0	0	67.03	162.2	245.5
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	8938	8938	8938	8938	8938	8938	8938	8938	8938	8938
2.5	8921	8924	8928	8932	8936	8940	8944	8940	8935	8931
5.0	8887	8894	8900	8907	8914	8922	8930	8920	8912	8903
7.5	8848	8854	8861	8871	8881	8891	8903	8889	8877	8865
10.0	8793	8799	8808	8819	8832	8846	8861	8843	8826	8811
12.5	8727	8732	8740	8750	8763	8778	8796	8775	8756	8740
15.0	8649	8651	8657	8667	8680	8698	8719	8693	8671	8654
17.5	8559	8557	8561	8569	8583	8603	8628	8598	8573	8554
20.0	8457	8452	8450	8456	8469	8490	8519	8485	8458	8438
22.5	8342	8330	8323	8324	8335	8358	8389	8351	8321	8304
25.0	8214	8194	8183	8182	8193	8215	8250	8209	8179	8162
27.5	8076	8048	8028	8023	8032	8049	8085	8042	8015	8001
30.0	7887	7894	7859	7850	7849	7866	7903	7860	7837	7832
32.5	7672	7720	7679	7660	7653	7672	7713	7667	7643	7643
35.0	7445	7484	7486	7454	7443	7457	7499	7453	7433	7439
37.5	7207	7237	7275	7237	7217	7230	7275	7223	7203	7215
40.0	6959	6977	7020	7002	6977	6984	7028	6977	6960	6978
42.5	6700	6702	6735	6752	6715	6717	6761	6708	6698	6727
45.0	6426	6393	6414	6488	6436	6431	6479	6420	6419	6458
47.5	6108	6046	6072	6158	6111	6098	6157	6088	6088	6124
50.0	5720	5687	5702	5746	5725	5699	5755	5696	5714	5724
52.5	5297	5321	5303	5317	5328	5294	5348	5294	5327	5313
55.0	4890	4924	4908	4909	4946	4903	4953	4905	4948	4907
57.5	4481	4489	4527	4507	4563	4510	4553	4508	4561	4503
60.0	4056	4057	4129	4089	4132	4105	4145	4098	4125	4062
62.5	3633	3622	3658	3644	3664	3640	3670	3629	3643	3619
65.0	3175	3188	3162	3201	3182	3181	3197	3172	3160	3173
67.5	2690	2733	2690	2732	2701	2714	2720	2693	2674	2692
70.0	2217	2231	2242	2220	2223	2233	2229	2218	2198	2181
72.5	1759	1759	1784	1760	1758	1763	1749	1750	1728	1716
75.0	1339	1318	1327	1328	1318	1310	1305	1293	1281	1274
77.5	976.9	940.2	921.1	930.5	920.4	907.2	898.6	878.1	871.8	883.2

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	634.8	634.1	597.5	593.3	591.7	574.6	558.7	544.4	541.8	550.2
82.5	312.4	352.8	359.1	336.8	333.7	293.9	299.7	284.1	305.5	310.4
85.0	0	80.40	143.7	163.7	142.9	92.95	43.97	72.11	121.4	151.0
87.5	0	0	0	0	36.37	26.03	11.31	16.41	19.81	0
90.0	0	0	0	0	0	0	7.101	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	8938	8938	8938	8938	8938	8938	8938	8938	8938	8938
2.5	8926	8922	8918	8914	8910	8907	8904	8902	8900	8898
5.0	8895	8887	8880	8873	8868	8865	8862	8859	8854	8849
7.5	8854	8844	8836	8828	8821	8815	8809	8803	8799	8800
10.0	8797	8785	8777	8771	8765	8759	8754	8749	8747	8741
12.5	8725	8713	8705	8702	8697	8692	8693	8692	8688	8687
15.0	8641	8631	8626	8622	8617	8619	8623	8624	8629	8628
17.5	8543	8536	8528	8530	8536	8541	8541	8557	8551	8537
20.0	8426	8425	8423	8432	8438	8452	8448	8418	8405	8388
22.5	8297	8299	8303	8319	8334	8311	8285	8268	8247	8239
25.0	8155	8157	8171	8196	8160	8139	8122	8108	8096	8087
27.5	8001	8012	8032	8003	7978	7957	7948	7940	7937	7932
30.0	7831	7851	7846	7809	7784	7774	7769	7771	7774	7777
32.5	7655	7690	7631	7602	7586	7580	7587	7597	7608	7616
35.0	7465	7456	7410	7385	7377	7384	7398	7417	7383	7356
37.5	7256	7209	7175	7158	7163	7177	7182	7135	7103	7079
40.0	6990	6944	6924	6923	6941	6939	6876	6839	6818	6806
42.5	6701	6660	6659	6676	6686	6612	6560	6534	6527	6528
45.0	6382	6353	6372	6419	6339	6274	6242	6226	6232	6246
47.5	6042	6009	6056	6050	5981	5934	5912	5910	5931	5961
50.0	5676	5656	5679	5654	5618	5585	5578	5591	5580	5549
52.5	5291	5303	5267	5260	5246	5230	5237	5187	5145	5117
55.0	4905	4916	4870	4870	4874	4863	4799	4749	4713	4688
57.5	4521	4481	4462	4491	4502	4413	4358	4315	4281	4261
60.0	4118	4040	4034	4111	4029	3960	3919	3884	3853	3833
62.5	3619	3602	3606	3606	3554	3502	3481	3454	3426	3406
65.0	3122	3159	3134	3102	3077	3039	3043	3021	2974	2940
67.5	2651	2689	2642	2615	2601	2577	2589	2557	2511	2475
70.0	2201	2175	2158	2137	2137	2126	2126	2094	2049	2011
72.5	1724	1702	1686	1683	1706	1687	1671	1634	1588	1549
75.0	1270	1255	1265	1284	1289	1257	1223	1178	1130	1087
77.5	863.7	878.9	912.3	907.6	883.3	835.8	782.7	724.2	675.3	626.7
80.0	549.3	585.1	584.1	547.1	488.0	431.3	368.3	299.8	232.5	168.3
82.5	329.1	319.1	275.4	214.4	140.5	58.15	0	0	0	0
85.0	130.1	71.75	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	8938	8938	8938	8938	8938	8938	8938	8938	8938	8938
2.5	8895	8892	8890	8888	8886	8886	8885	8886	8886	8887
5.0	8846	8844	8841	8837	8834	8833	8832	8832	8834	8834
7.5	8797	8793	8790	8787	8782	8779	8779	8781	8774	8768
10.0	8742	8742	8739	8736	8730	8725	8728	8719	8711	8708
12.5	8684	8687	8688	8684	8678	8672	8675	8655	8652	8639
15.0	8631	8628	8634	8633	8626	8621	8612	8601	8584	8570
17.5	8517	8504	8498	8491	8482	8481	8466	8468	8464	8464
20.0	8376	8364	8352	8348	8339	8338	8323	8315	8311	8307
22.5	8230	8218	8207	8204	8195	8194	8178	8166	8157	8150
25.0	8080	8074	8064	8060	8051	8048	8030	8016	8003	7994
27.5	7931	7931	7923	7916	7908	7900	7879	7863	7846	7830
30.0	7779	7782	7782	7772	7764	7754	7729	7712	7691	7666
32.5	7586	7562	7542	7521	7508	7498	7484	7483	7485	7500
35.0	7325	7304	7286	7266	7252	7238	7221	7208	7199	7203
37.5	7063	7045	7030	7012	6995	6978	6955	6930	6910	6896
40.0	6794	6785	6773	6757	6739	6718	6685	6649	6614	6584
42.5	6527	6525	6516	6503	6483	6456	6415	6367	6315	6267
45.0	6259	6262	6257	6250	6227	6195	6143	6079	6012	5945
47.5	5943	5903	5868	5837	5805	5776	5742	5703	5666	5621
50.0	5517	5482	5449	5417	5383	5351	5314	5273	5234	5200
52.5	5090	5060	5029	4997	4962	4927	4886	4844	4805	4772
55.0	4665	4636	4608	4576	4540	4502	4459	4417	4379	4345
57.5	4239	4214	4187	4155	4119	4077	4032	3991	3955	3918
60.0	3815	3792	3767	3735	3697	3652	3606	3566	3534	3494
62.5	3374	3341	3307	3271	3233	3191	3150	3119	3099	3071
65.0	2908	2875	2841	2805	2768	2728	2689	2661	2642	2616
67.5	2442	2410	2375	2339	2304	2265	2229	2204	2188	2165
70.0	1977	1945	1908	1873	1839	1802	1770	1748	1736	1719

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	1513	1480	1443	1407	1375	1340	1312	1294	1284	1275
75.0	1050	1016	976.8	941.5	910.2	878.1	854.3	839.7	833.8	833.7
77.5	581.7	540.8	503.1	474.4	455.1	441.8	437.1	438.7	442.5	445.3
80.0	111.3	63.76	28.29	6.973	0	6.489	24.55	51.66	84.45	119.3
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	8938	8938	8938	8938	8938	8938	8938	8938	8938	8938
2.5	8888	8890	8891	8893	8896	8898	8900	8903	8906	8909
5.0	8832	8830	8831	8833	8836	8839	8843	8847	8852	8858
7.5	8769	8767	8765	8766	8770	8774	8777	8781	8788	8798
10.0	8701	8698	8695	8692	8693	8695	8698	8704	8715	8728
12.5	8631	8622	8617	8609	8611	8613	8612	8617	8626	8639
15.0	8556	8541	8534	8526	8516	8511	8507	8510	8517	8529
17.5	8465	8466	8443	8425	8408	8399	8395	8390	8394	8404
20.0	8314	8316	8321	8317	8299	8278	8265	8256	8258	8266
22.5	8149	8145	8150	8161	8175	8147	8127	8112	8107	8110
25.0	7982	7974	7972	7975	7989	8005	7974	7953	7942	7940
27.5	7812	7798	7787	7785	7785	7799	7813	7784	7768	7765
30.0	7641	7616	7597	7582	7576	7583	7611	7615	7574	7556
32.5	7464	7429	7400	7374	7359	7363	7375	7394	7354	7333
35.0	7217	7243	7198	7161	7137	7122	7115	7132	7126	7100
37.5	6897	6921	6964	6939	6901	6869	6851	6856	6888	6852
40.0	6573	6582	6614	6667	6657	6609	6561	6547	6596	6583
42.5	6241	6236	6257	6305	6376	6315	6229	6215	6264	6289
45.0	5904	5885	5893	5935	5979	5974	5883	5867	5891	5920
47.5	5562	5529	5530	5553	5556	5541	5530	5488	5467	5488
50.0	5184	5170	5161	5161	5135	5122	5134	5094	5054	5060
52.5	4750	4756	4789	4767	4729	4694	4687	4716	4656	4647
55.0	4318	4317	4330	4368	4334	4245	4239	4300	4259	4216
57.5	3887	3874	3863	3886	3916	3802	3784	3830	3813	3759
60.0	3458	3426	3395	3403	3387	3366	3330	3321	3326	3277
62.5	3030	2974	2926	2922	2875	2866	2876	2799	2817	2805
65.0	2589	2519	2459	2442	2385	2378	2369	2321	2316	2308
67.5	2146	2082	2023	1971	1912	1906	1877	1872	1812	1829
70.0	1707	1660	1622	1573	1465	1446	1432	1415	1374	1355
72.5	1270	1248	1232	1199	1127	1045	1018	1011	976.2	959.0
75.0	840.6	845.2	853.2	842.8	812.1	762.8	689.8	663.2	663.3	635.1
77.5	444.8	449.2	482.6	505.8	514.1	501.3	464.6	411.7	400.5	391.2
80.0	152.5	182.4	205.7	218.7	231.2	260.0	263.0	249.4	219.6	206.2
82.5	0	0	0	29.27	63.21	82.41	83.57	109.3	113.6	87.83
85.0	0	0	0	0	0	0	0	18.52	28.99	32.02
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	8938	8938								
2.5	8913	8918								
5.0	8866	8874								
7.5	8809	8821								
10.0	8743	8759								
12.5	8653	8672								
15.0	8546	8567								
17.5	8420	8442								
20.0	8282	8308								
22.5	8125	8153								
25.0	7956	7984								
27.5	7776	7801								
30.0	7561	7590								
32.5	7336	7365								
35.0	7097	7121								
37.5	6842	6866								
40.0	6566	6587								
42.5	6251	6269								
45.0	5860	5876								
47.5	5444	5448								
50.0	5045	5042								
52.5	4651	4640								
55.0	4259	4229								
57.5	3812	3759								
60.0	3276	3250								
62.5	2780	2787								

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	2272	2260
67.5	1778	1795
70.0	1333	1331
72.5	958.6	946.8
75.0	636.9	623.7
77.5	383.3	372.4
80.0	193.9	190.3
82.5	84.64	71.92
85.0	26.07	16.39
87.5	6.878	8.219
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: