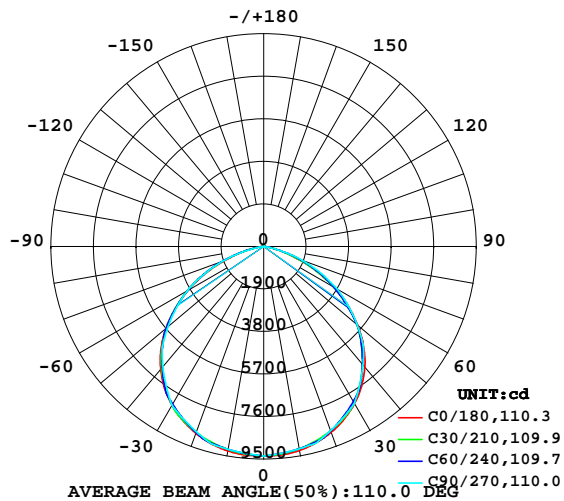


LUMINAIRE PHOTOMETRIC TEST REPORT

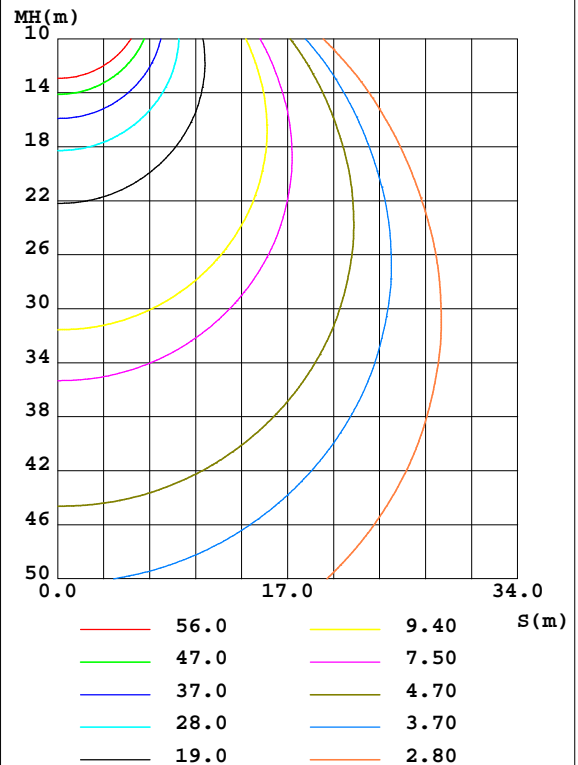
Test:U:120.14V I:1.2594A P:151.21W PF:0.9993 Freq:59.98Hz Lamp Flux:24985.4x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/110°	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 165.24 lm/W			
MODEL	GHRL-26-U	Imax(cd)	9359	S/MH(C0/180)	1.30
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	24985	η UP,DN(C0-180)	0.0,49.5
NOMINAL FLUX(lm)	24985.4	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.5
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	9249	9167	9175	9184	9272	9199	9197	9185	0- 10	884.2	884.2	3.54,3.54
20	8831	8808	8756	8855	8880	8885	8810	8849	10- 20	2555	3439	13.8,13.8
30	8113	7984	8102	8059	8189	8116	8196	8060	20- 30	3911	7350	29.4,29.4
40	7035	6942	6902	7062	7160	7147	7011	7069	30- 40	4749	12100	48.4,48.4
50	5484	5373	5456	5552	5715	5642	5587	5524	40- 50	4868	16967	67.9,67.9
60	3656	3585	3764	3803	3909	3896	3923	3753	50- 60	4181	21149	84.6,84.6
70	1588	1698	1846	1923	1870	2006	1962	1845	60- 70	2769	23918	95.7,95.7
80	198.0	217.5	0	306.3	323.7	333.4	0	268.1	70- 80	1024	24941	99.8,99.8
90	4.823	0	0	0	4.466	0	0	0	80- 90	43.98	24985	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): 14567 lm

%lum = 58.3%

%lamp = 58.3%

Conical surface Flux(120deg): 21149 lm

%lum = 84.6%

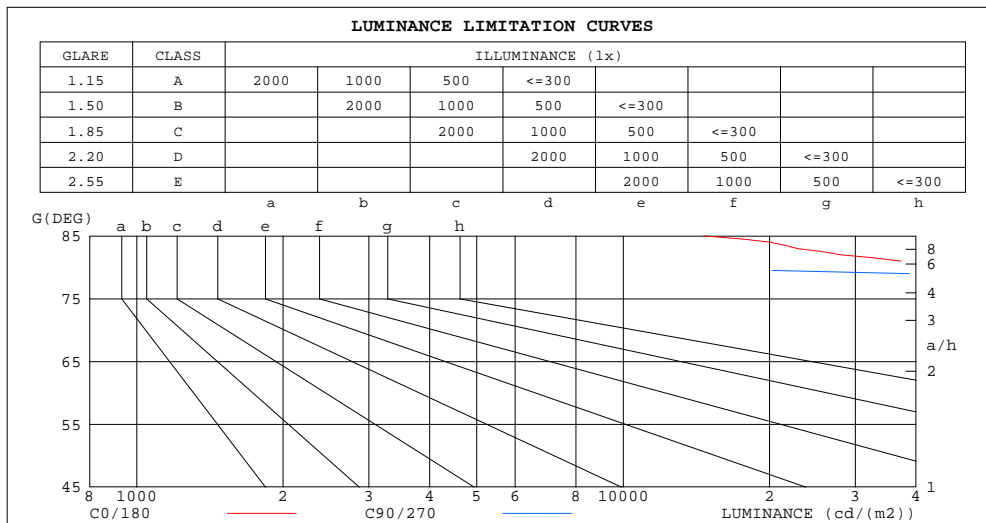
%lamp = 84.6%

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:120.14V I:1.2594A P:151.21W PF:0.9993 Freq:59.98Hz Lamp Flux:24985.4x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/110°	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	14631	0
80	47506	0
75	124056	142796
70	193457	224894
65	257183	276557
60	304645	313676
55	334199	334899
50	355472	353681
45	372530	371364

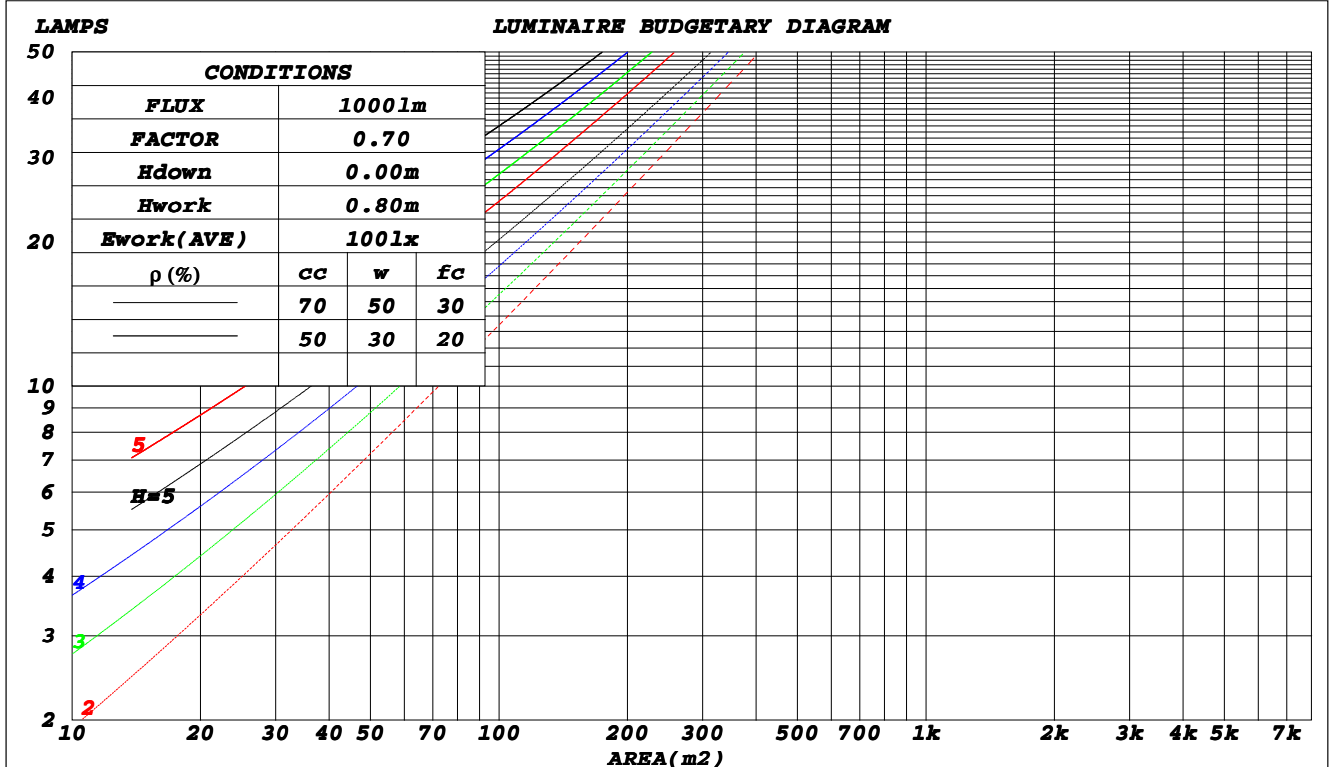
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-20

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:120.14V I:1.2594A P:151.21W PF:0.9993 Freq:59.98Hz Lamp Flux:24985.4x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/110°	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	1.00	.97	.99	.96	.94	.95	.93	.91	.92	.90	.88	.86
2.0	.93	.87	.81	.91	.85	.80	.88	.83	.79	.84	.80	.77	.81	.78	.75	.73
3.0	.82	.74	.68	.80	.73	.68	.78	.71	.66	.75	.70	.65	.72	.68	.64	.62
4.0	.73	.64	.58	.72	.64	.58	.69	.62	.57	.67	.61	.56	.65	.60	.55	.53
5.0	.65	.57	.50	.64	.56	.50	.62	.55	.49	.60	.54	.49	.58	.53	.48	.46
6.0	.59	.50	.44	.58	.50	.44	.56	.49	.43	.54	.48	.43	.53	.47	.43	.40
7.0	.53	.45	.39	.52	.44	.39	.51	.44	.38	.50	.43	.38	.48	.42	.38	.36
8.0	.49	.40	.35	.48	.40	.34	.47	.39	.34	.45	.39	.34	.44	.38	.34	.32
9.0	.45	.37	.31	.44	.36	.31	.43	.36	.31	.42	.35	.31	.41	.35	.31	.29
10.0	.41	.33	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.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:120.14V I:1.2594A P:151.21W PF:0.9993 Freq:59.98Hz Lamp Flux:24985.4x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/110°	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	.274	.156	.049	.267	.153	.048	.254	.146	.047	.242	.140	.045	.231	.134	.043		
2.0	.268	.147	.045	.262	.144	.044	.250	.139	.043	.240	.134	.042	.230	.130	.041		
3.0	.253	.135	.040	.247	.133	.040	.237	.129	.039	.228	.125	.038	.219	.121	.038		
4.0	.237	.123	.036	.232	.121	.036	.223	.118	.035	.214	.115	.035	.207	.112	.034		
5.0	.221	.113	.033	.217	.111	.032	.209	.109	.032	.201	.106	.032	.194	.104	.031		
6.0	.206	.103	.030	.203	.102	.029	.195	.100	.029	.189	.098	.029	.182	.096	.029		
7.0	.193	.095	.027	.190	.094	.027	.183	.093	.027	.177	.091	.026	.172	.089	.026		
8.0	.181	.088	.025	.178	.088	.025	.172	.086	.025	.167	.085	.024	.162	.083	.024		
9.0	.170	.082	.023	.168	.082	.023	.162	.080	.023	.158	.079	.023	.153	.078	.022		
10.0	.160	.077	.021	.158	.076	.021	.153	.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	.067	.095	.068	.047	.055	.040	.027	.018	.013	.009	
4.0	.154	.101	.060	.132	.087	.052	.091	.061	.037	.052	.036	.022	.017	.012	.007	
5.0	.147	.090	.049	.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	.109	.060	.026	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.121	.064	.026	.104	.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:120.14V I:1.2594A P:151.21W PF:0.9993 Freq:59.98Hz Lamp Flux:24985.4x1 lm											
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A			
SPEC.:150W/5000K/110°					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	21.7	23.1	21.9	23.3	23.5	21.8	23.3	22.1	23.5	23.7
	3H	22.5	23.9	22.8	24.1	24.3	22.8	24.2	23.1	24.4	24.6
	4H	22.6	23.9	23.0	24.2	24.4	23.0	24.3	23.3	24.5	24.8
	6H	22.6	23.8	22.9	24.1	24.3	23.0	24.2	23.3	24.4	24.7
	8H	22.6	23.7	22.9	24.0	24.3	22.9	24.1	23.3	24.4	24.6
	12H	22.5	23.6	22.9	23.9	24.2	22.9	24.0	23.2	24.3	24.6
4H	2H	22.1	23.4	22.4	23.7	23.9	22.2	23.5	22.5	23.8	24.0
	3H	23.1	24.2	23.4	24.5	24.8	23.4	24.5	23.7	24.8	25.1
	4H	23.3	24.3	23.6	24.6	24.9	23.6	24.6	24.0	25.0	25.3
	6H	23.2	24.1	23.6	24.5	24.8	23.6	24.5	24.0	24.8	25.2
	8H	23.2	24.0	23.6	24.4	24.8	23.6	24.4	24.0	24.7	25.1
	12H	23.2	23.9	23.6	24.3	24.7	23.5	24.3	23.9	24.7	25.1
8H	4H	23.3	24.1	23.7	24.5	24.9	23.7	24.5	24.1	24.8	25.2
	6H	23.3	24.0	23.8	24.4	24.8	23.6	24.3	24.1	24.7	25.2
	8H	23.3	23.9	23.8	24.3	24.8	23.6	24.2	24.1	24.6	25.1
	12H	23.3	23.8	23.8	24.2	24.7	23.6	24.1	24.0	24.5	25.0
12H	4H	23.3	24.0	23.7	24.4	24.8	23.6	24.4	24.0	24.7	25.2
	6H	23.3	23.9	23.8	24.3	24.8	23.6	24.2	24.1	24.6	25.1
	8H	23.3	23.8	23.8	24.2	24.7	23.6	24.1	24.1	24.5	25.0
Variations with the observer position at spacings:											
S = 1.0H	+ 0.3 / - 0.4					+ 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, 24985 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 11.2$)
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:120.14V I:1.2594A P:151.21W PF:0.9993 Freq:59.98Hz Lamp Flux:24985.4x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/110°	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

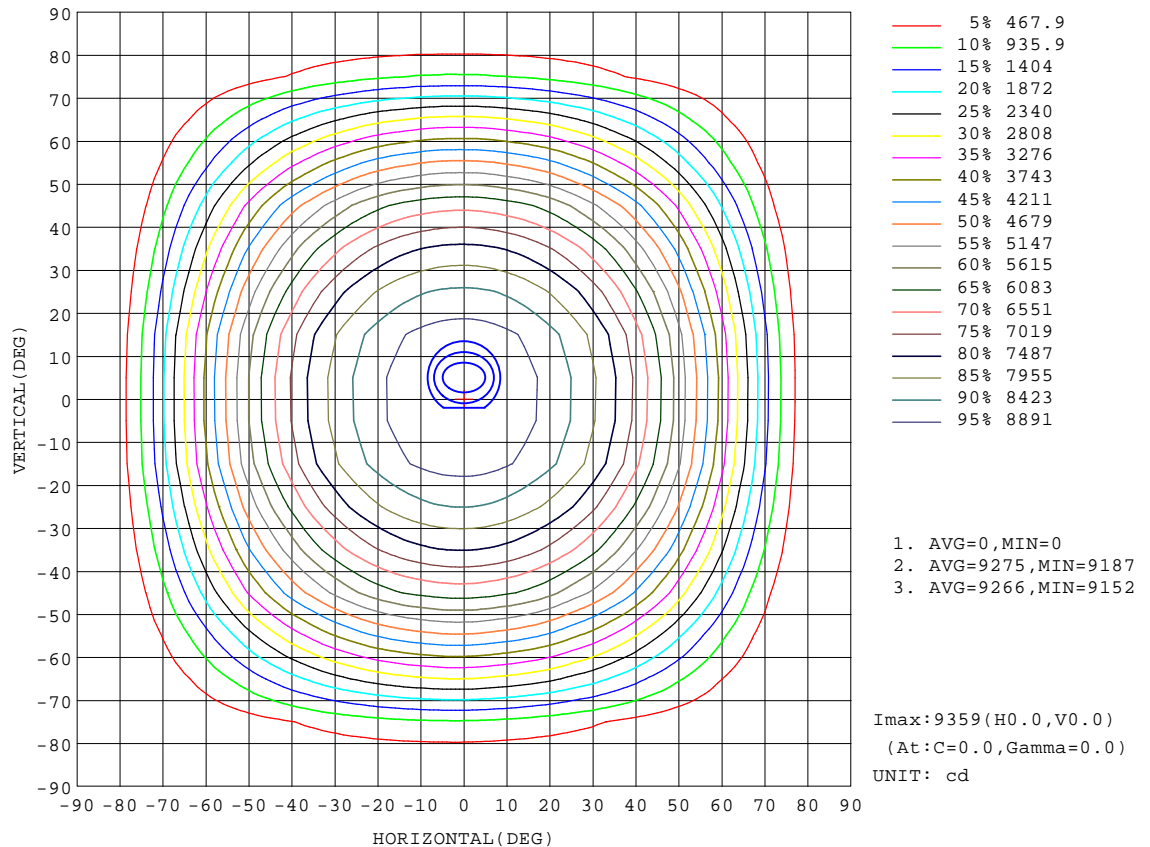
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	59	48	41	57	47	41	35
0.80	70	59	52	69	58	51	67	57	51	44
1.00	78	68	61	77	67	61	75	69	60	53
1.25	86	76	69	84	75	69	82	74	68	61
1.50	91	81	75	89	81	74	86	79	73	66
2.00	97	89	84	96	88	83	92	86	81	74
2.50	101	94	88	99	93	87	95	90	86	78
3.00	104	98	93	102	96	92	98	94	90	82
4.00	108	103	99	106	101	97	101	98	95	86
5.00	110	106	102	108	104	101	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:120.14V I:1.2594A P:151.21W PF:0.9993 Freq:59.98Hz Lamp Flux:24985.4x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/110°	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



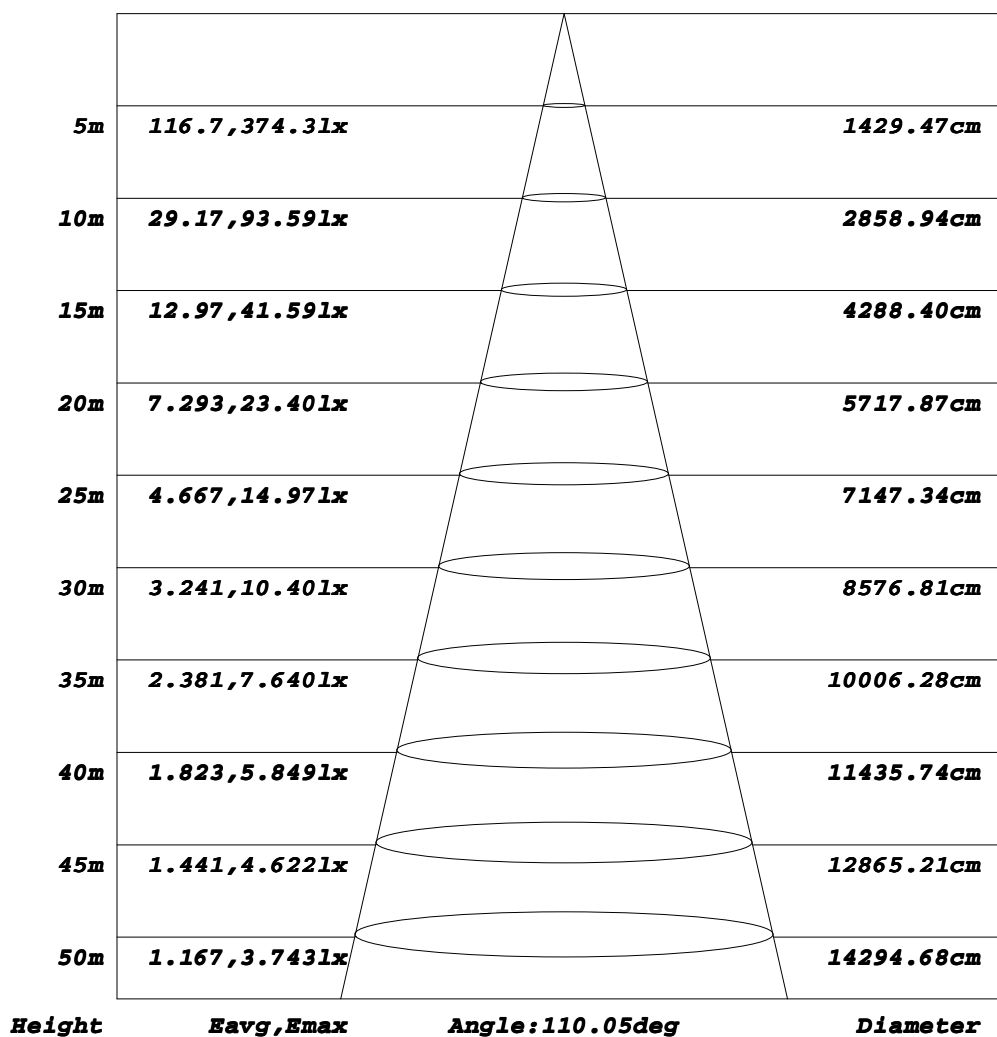
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-20

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:120.14V I:1.2594A P:151.21W PF:0.9993 Freq:59.98Hz Lamp Flux:24985.4x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/110°	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:19402 lm



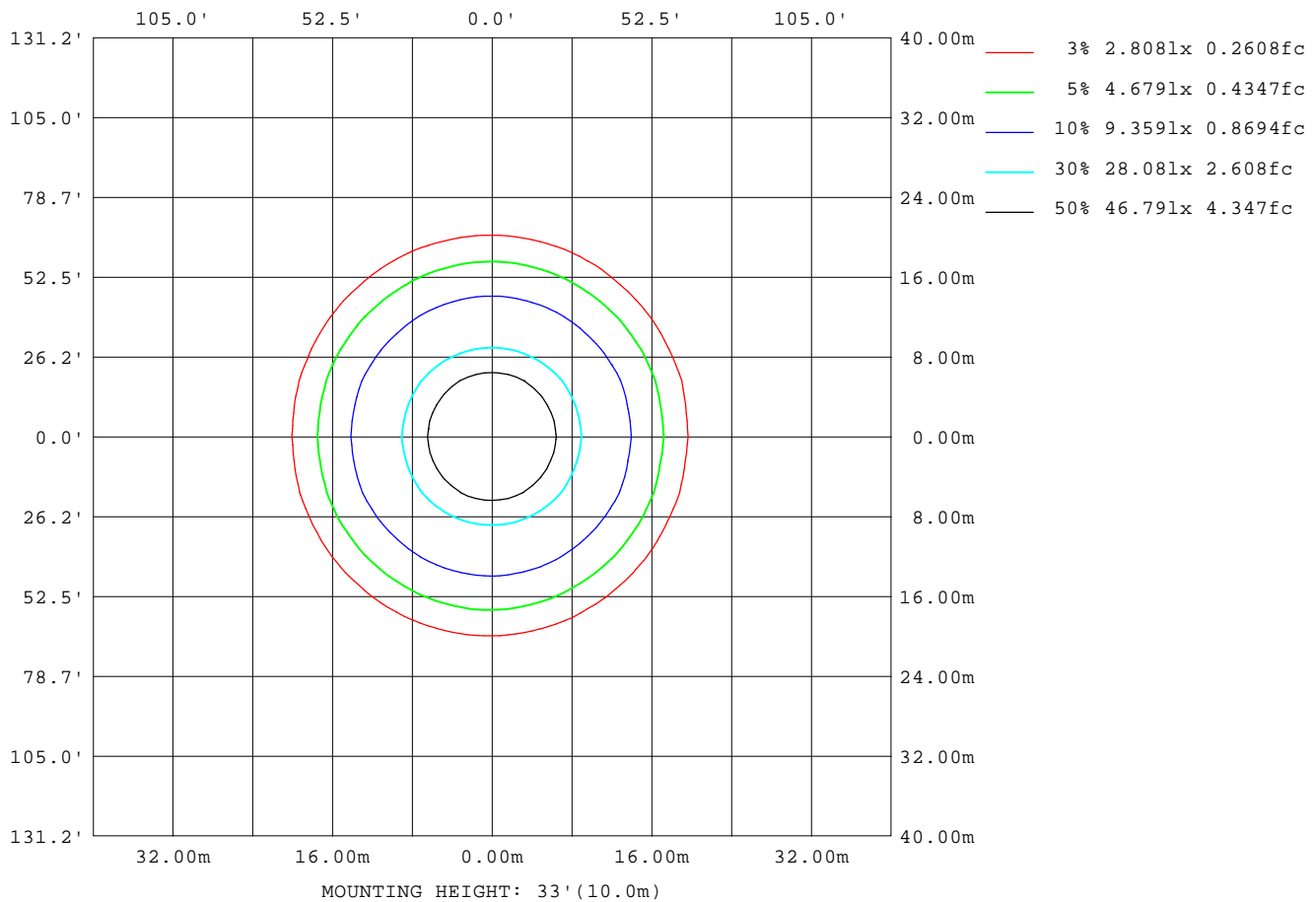
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.14V I:1.2594A P:151.21W PF:0.9993 Freq:59.98Hz Lamp Flux:24985.4x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/110°	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:120.14V I:1.2594A P:151.21W PF:0.9993 Freq:59.98Hz Lamp Flux:24985.4x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:150W/5000K/110°	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

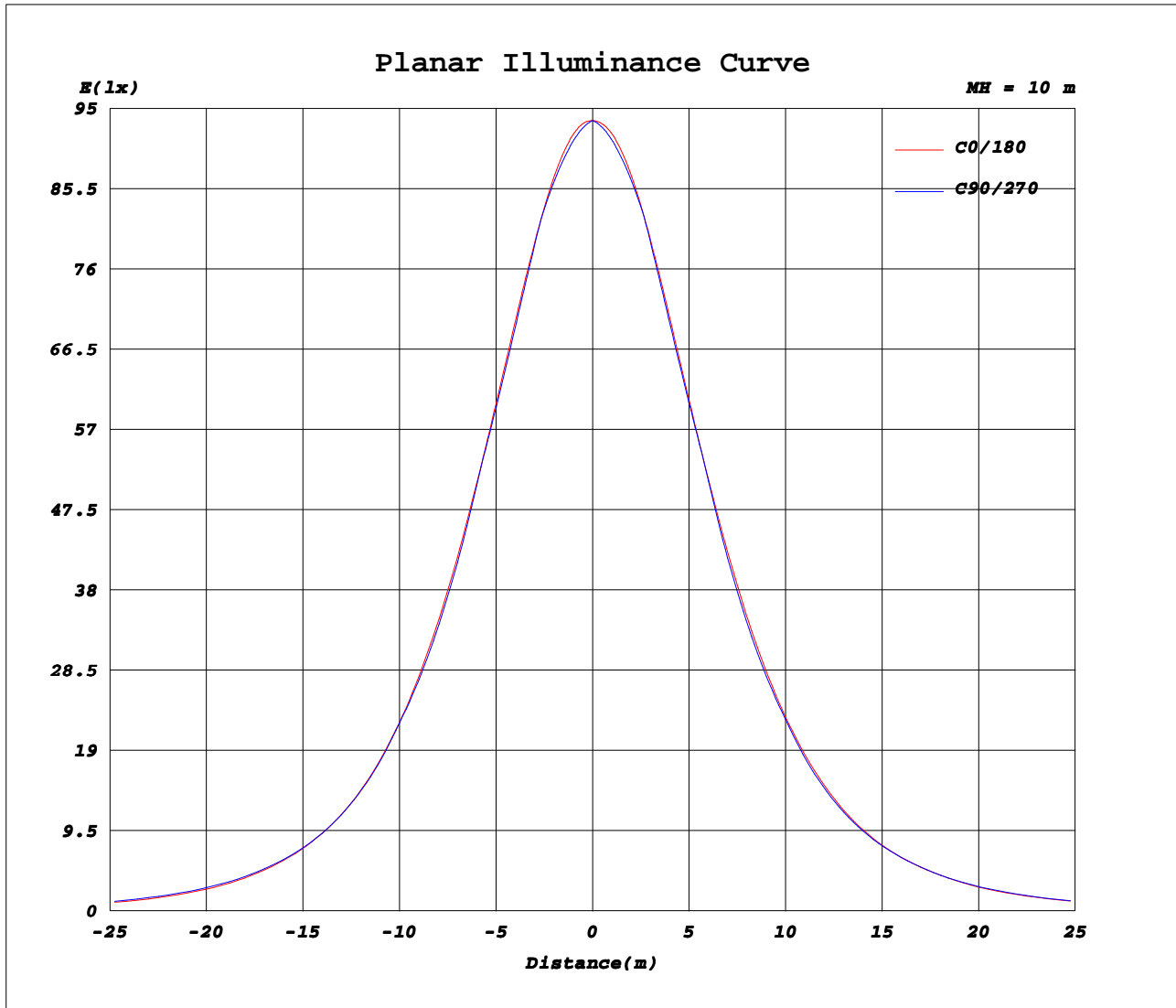
AvgL	cd/m2
L_0~180(65)av	270093
L_0~180(75)av	140470
L_0~180(85)av	21749
L_90~270(65)av	283341
L_90~270(75)av	150373
L_90~270(85)av	0
L_45(65)av	275613
L_45(75)av	165726
L_45(85)av	0

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	9359	9359	9359	9359	9359	9359	9359	9359	9359	9359
2.5	9357	9353	9349	9345	9341	9337	9334	9331	9328	9325
5.0	9342	9334	9325	9318	9311	9304	9298	9293	9289	9284
7.5	9306	9293	9281	9270	9260	9252	9245	9240	9235	9232
10.0	9249	9231	9216	9202	9192	9183	9176	9172	9168	9167
12.5	9173	9150	9132	9116	9104	9096	9091	9088	9088	9091
15.0	9079	9052	9031	9015	9003	8996	8993	8993	8997	9004
17.5	8963	8932	8909	8893	8882	8879	8881	8888	8898	8910
20.0	8831	8796	8771	8754	8747	8746	8754	8767	8786	8808
22.5	8680	8641	8615	8599	8595	8600	8615	8636	8664	8635
25.0	8511	8468	8440	8427	8427	8439	8463	8494	8457	8427
27.5	8322	8274	8245	8233	8239	8261	8296	8267	8232	8211
30.0	8113	8059	8028	8020	8033	8064	8062	8022	7997	7984
32.5	7885	7824	7792	7785	7806	7847	7793	7761	7748	7748
35.0	7622	7555	7524	7526	7558	7551	7507	7486	7486	7502
37.5	7332	7259	7227	7237	7283	7231	7201	7197	7211	7243
40.0	7035	6948	6910	6924	6941	6886	6872	6890	6926	6942
42.5	6691	6603	6572	6592	6567	6523	6521	6563	6604	6559
45.0	6322	6229	6201	6236	6186	6158	6162	6215	6194	6171
47.5	5924	5840	5825	5844	5788	5786	5811	5790	5773	5775
50.0	5484	5415	5430	5433	5387	5402	5427	5365	5357	5373
52.5	5043	4971	5003	4991	4974	5012	4974	4935	4944	4971
55.0	4601	4521	4549	4511	4530	4571	4509	4496	4526	4568
57.5	4136	4051	4097	4030	4063	4062	4040	4050	4092	4076
60.0	3656	3573	3579	3554	3588	3541	3565	3599	3582	3585
62.5	3104	3048	3062	3053	3066	3037	3073	3091	3079	3096
65.0	2609	2542	2529	2569	2541	2546	2569	2588	2582	2606
67.5	2083	2040	2032	2056	2037	2063	2072	2086	2103	2123
70.0	1588	1569	1553	1561	1569	1586	1600	1611	1643	1698
72.5	1153	1133	1126	1109	1130	1149	1151	1191	1258	1295
75.0	770.6	740.2	734.5	723.1	755.4	751.7	788.1	861.4	897.1	907.6
77.5	430.9	411.6	415.7	425.9	433.6	460.3	521.9	556.4	553.9	533.1
80.0	198.0	189.5	186.8	209.6	224.2	275.7	286.4	270.4	225.6	217.5
82.5	80.21	75.22	85.15	84.03	115.0	119.3	80.73	76.44	60.31	29.12
85.0	30.60	27.14	32.61	31.23	30.77	20.17	0	0	0	0
87.5	4.637	6.793	5.552	0	0	0	0	0	0	0
90.0	4.823	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	9359	9359	9359	9359	9359	9359	9359	9359	9359	9359
2.5	9323	9320	9318	9317	9315	9314	9313	9313	9313	9313
5.0	9281	9278	9275	9272	9270	9269	9268	9267	9267	9267
7.5	9229	9227	9225	9224	9223	9222	9221	9221	9221	9221
10.0	9166	9167	9169	9170	9172	9173	9174	9174	9175	9175
12.5	9095	9099	9105	9111	9117	9122	9126	9128	9129	9129
15.0	9013	9024	9035	9047	9058	9068	9076	9081	9083	9083
17.5	8925	8942	8948	8936	8929	8923	8921	8919	8919	8922
20.0	8805	8784	8771	8762	8758	8756	8755	8755	8756	8758
22.5	8613	8597	8588	8585	8585	8587	8589	8591	8592	8595
25.0	8409	8402	8399	8403	8410	8417	8423	8426	8429	8432
27.5	8199	8198	8206	8218	8233	8246	8256	8262	8265	8268
30.0	7982	7988	8005	8028	8053	8073	8089	8097	8102	8104
32.5	7757	7774	7800	7835	7820	7811	7804	7800	7802	7809
35.0	7526	7556	7529	7512	7504	7498	7497	7498	7502	7509
37.5	7263	7223	7199	7187	7186	7186	7189	7196	7202	7209
40.0	6899	6874	6864	6862	6868	6873	6881	6893	6902	6908
42.5	6527	6517	6524	6536	6549	6560	6572	6590	6602	6607
45.0	6152	6153	6178	6208	6230	6247	6263	6286	6302	6306
47.5	5776	5785	5827	5876	5874	5861	5853	5866	5879	5890
50.0	5398	5418	5433	5439	5432	5425	5422	5441	5456	5468
52.5	5016	4979	4971	4988	4990	4990	4991	5016	5033	5046
55.0	4538	4517	4509	4537	4548	4554	4561	4590	4610	4624
57.5	4056	4056	4048	4087	4107	4118	4130	4164	4187	4202
60.0	3575	3594	3592	3637	3665	3682	3699	3738	3764	3780
62.5	3096	3131	3138	3188	3210	3220	3232	3261	3285	3300
65.0	2620	2669	2681	2716	2737	2746	2757	2782	2805	2819
67.5	2166	2213	2226	2248	2266	2273	2283	2305	2326	2339
70.0	1737	1766	1776	1784	1797	1801	1809	1827	1846	1858
72.5	1319	1326	1329	1324	1330	1330	1336	1350	1367	1377
75.0	907.1	893.4	884.7	868.5	864.3	859.0	862.8	873.4	887.0	897.0
77.5	502.4	467.0	471.2	465.5	459.3	447.9	440.9	439.3	443.5	451.5
80.0	209.9	188.9	161.4	124.7	87.74	52.73	24.76	6.455	0	6.635
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-20

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	9359	9359	9359	9359	9359	9359	9359	9359	9359	9359
2.5	9313	9314	9315	9316	9317	9319	9321	9324	9326	9329
5.0	9267	9268	9270	9272	9275	9278	9282	9286	9291	9297
7.5	9221	9222	9224	9226	9229	9232	9236	9241	9246	9252
10.0	9175	9175	9176	9177	9178	9179	9181	9184	9187	9191
12.5	9128	9127	9125	9123	9120	9118	9116	9115	9115	9117
15.0	9080	9077	9071	9064	9056	9049	9042	9036	9032	9030
17.5	8927	8935	8945	8958	8975	8974	8961	8949	8939	8931
20.0	8763	8770	8778	8789	8804	8823	8848	8855	8836	8821
22.5	8599	8604	8609	8617	8627	8642	8663	8690	8723	8697
25.0	8435	8437	8439	8440	8444	8454	8468	8490	8521	8561
27.5	8270	8269	8266	8260	8257	8264	8279	8303	8303	8340
30.0	8105	8100	8090	8076	8064	8055	8052	8059	8076	8105
32.5	7824	7842	7862	7889	7865	7846	7834	7831	7837	7857
35.0	7520	7533	7551	7574	7601	7632	7610	7594	7587	7594
37.5	7216	7224	7239	7258	7278	7311	7359	7348	7325	7317
40.0	6911	6915	6928	6940	6953	6977	7012	7062	7051	7028
42.5	6605	6606	6617	6621	6627	6639	6657	6691	6745	6723
45.0	6300	6298	6305	6301	6296	6293	6296	6316	6354	6402
47.5	5895	5918	5958	5980	5963	5943	5928	5937	5954	5985
50.0	5470	5489	5522	5553	5586	5560	5552	5552	5549	5565
52.5	5045	5061	5084	5109	5133	5152	5191	5161	5148	5151
55.0	4620	4632	4647	4665	4679	4690	4727	4760	4754	4732
57.5	4194	4202	4210	4221	4224	4233	4257	4281	4349	4303
60.0	3769	3771	3773	3779	3771	3781	3785	3803	3843	3875
62.5	3298	3309	3321	3336	3320	3327	3314	3327	3338	3365
65.0	2820	2832	2845	2860	2858	2871	2845	2851	2842	2862
67.5	2342	2356	2370	2385	2390	2403	2382	2374	2355	2364
70.0	1865	1880	1896	1912	1925	1942	1930	1923	1886	1872
72.5	1388	1405	1424	1442	1464	1486	1490	1491	1479	1424
75.0	910.9	930.9	952.1	973.5	1004	1033	1056	1073	1085	1057
77.5	466.9	489.9	515.7	539.9	565.3	586.1	626.6	666.8	703.1	709.9
80.0	26.24	57.73	98.63	145.0	194.2	240.0	277.7	306.3	336.3	380.8
82.5	0	0	0	0	0	0	0	41.21	93.27	126.6
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	9359	9359	9359	9359	9359	9359	9359	9359	9359	9359
2.5	9332	9336	9339	9343	9347	9351	9355	9351	9348	9345
5.0	9302	9309	9315	9323	9331	9339	9347	9340	9332	9326
7.5	9258	9266	9275	9285	9296	9308	9320	9309	9299	9289
10.0	9197	9205	9214	9226	9239	9255	9272	9257	9243	9232
12.5	9121	9127	9136	9148	9163	9181	9202	9183	9168	9155
15.0	9030	9034	9042	9053	9069	9090	9115	9093	9075	9061
17.5	8927	8926	8930	8941	8956	8978	9007	8981	8963	8950
20.0	8809	8801	8800	8807	8823	8847	8880	8851	8830	8819
22.5	8676	8662	8656	8659	8672	8697	8733	8701	8681	8672
25.0	8530	8507	8494	8492	8504	8530	8570	8535	8514	8507
27.5	8372	8338	8317	8310	8320	8346	8389	8352	8332	8328
30.0	8150	8155	8123	8108	8114	8140	8189	8148	8129	8131
32.5	7893	7950	7911	7889	7892	7919	7972	7929	7911	7916
35.0	7620	7671	7682	7650	7645	7672	7731	7684	7668	7683
37.5	7332	7373	7428	7384	7370	7393	7456	7406	7395	7422
40.0	7026	7049	7107	7089	7066	7090	7160	7106	7097	7131
42.5	6698	6702	6748	6771	6744	6771	6849	6789	6780	6824
45.0	6349	6339	6375	6440	6399	6416	6495	6433	6435	6496
47.5	5992	5976	5996	6059	6030	6041	6121	6055	6062	6109
50.0	5616	5608	5601	5649	5654	5645	5715	5656	5675	5689
52.5	5187	5228	5198	5231	5250	5210	5265	5226	5279	5268
55.0	4745	4802	4786	4779	4815	4760	4817	4781	4850	4830
57.5	4293	4331	4341	4298	4365	4313	4365	4336	4415	4349
60.0	3841	3837	3860	3824	3873	3842	3909	3861	3913	3873
62.5	3393	3333	3342	3355	3364	3362	3393	3374	3392	3395
65.0	2879	2842	2846	2869	2845	2836	2870	2857	2869	2906
67.5	2363	2374	2349	2354	2328	2353	2370	2372	2358	2382
70.0	1873	1885	1871	1854	1847	1861	1870	1877	1859	1882
72.5	1407	1417	1421	1398	1394	1405	1391	1413	1400	1409
75.0	1011	985.1	996.5	984.0	974.2	977.4	974.5	981.9	976.7	990.1
77.5	697.6	647.9	627.0	633.6	616.2	611.4	614.6	608.4	610.8	634.4

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]

80.0	407.2	401.0	358.2	350.4	336.8	326.4	323.7	318.7	330.3	347.3
82.5	144.9	184.2	193.3	165.7	158.4	144.2	140.9	137.4	149.8	160.2
85.0	0	33.11	59.28	75.69	62.42	63.72	60.38	58.88	57.72	69.09
87.5	0	0	0	0	15.44	17.26	13.41	12.94	10.67	0
90.0	0	0	0	0	0	0	4.466	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	9359	9359	9359	9359	9359	9359	9359	9359	9359	9359
2.5	9341	9338	9335	9332	9330	9328	9326	9324	9322	9321
5.0	9319	9313	9308	9303	9298	9294	9290	9287	9284	9282
7.5	9281	9273	9267	9261	9256	9252	9249	9246	9243	9241
10.0	9222	9215	9208	9204	9201	9199	9198	9197	9197	9197
12.5	9146	9139	9135	9133	9133	9135	9138	9141	9145	9148
15.0	9053	9048	9047	9049	9054	9061	9068	9077	9086	9094
17.5	8943	8942	8946	8953	8964	8977	8992	9007	9010	8995
20.0	8815	8820	8830	8846	8865	8885	8883	8862	8845	8833
22.5	8673	8682	8700	8725	8754	8728	8704	8688	8677	8668
25.0	8513	8531	8558	8593	8559	8534	8518	8508	8503	8500
27.5	8340	8365	8403	8378	8348	8330	8323	8321	8324	8329
30.0	8151	8187	8188	8149	8126	8116	8117	8128	8140	8155
32.5	7944	7991	7939	7908	7894	7894	7906	7927	7952	7977
35.0	7725	7719	7674	7654	7652	7664	7687	7720	7695	7667
37.5	7478	7429	7393	7385	7399	7425	7441	7400	7374	7355
40.0	7161	7112	7095	7100	7134	7147	7099	7068	7050	7041
42.5	6809	6771	6777	6804	6829	6781	6750	6732	6725	6725
45.0	6438	6412	6435	6493	6441	6406	6393	6392	6397	6407
47.5	6054	6040	6077	6082	6045	6025	6026	6047	6067	6088
50.0	5659	5669	5688	5658	5644	5642	5656	5698	5694	5664
52.5	5251	5296	5257	5237	5241	5254	5286	5262	5246	5226
55.0	4843	4870	4820	4818	4845	4855	4821	4797	4796	4788
57.5	4413	4398	4372	4394	4441	4375	4353	4338	4345	4350
60.0	3922	3915	3916	3966	3940	3896	3884	3883	3891	3911
62.5	3397	3404	3465	3449	3433	3419	3415	3432	3438	3470
65.0	2891	2910	2957	2939	2927	2943	2947	2977	2966	2982
67.5	2387	2431	2429	2434	2431	2468	2476	2499	2487	2496
70.0	1901	1931	1931	1936	1954	2006	2013	2026	2012	2013
72.5	1447	1449	1454	1479	1534	1559	1559	1559	1541	1533
75.0	1014	1008	1045	1100	1128	1127	1114	1098	1074	1056
77.5	636.9	664.7	721.2	741.8	735.1	709.3	675.4	641.9	620.7	596.5
80.0	363.2	407.1	420.3	399.0	355.8	333.4	304.4	264.2	213.5	160.0
82.5	193.8	184.0	147.8	133.7	99.17	44.61	0	0	0	0
85.0	56.21	32.00	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	9359	9359	9359	9359	9359	9359	9359	9359	9359	9359
2.5	9320	9319	9318	9318	9318	9318	9319	9319	9320	9322
5.0	9280	9279	9278	9278	9278	9278	9278	9279	9281	9283
7.5	9240	9239	9238	9238	9238	9237	9237	9238	9239	9240
10.0	9197	9197	9197	9197	9197	9196	9196	9195	9194	9192
12.5	9151	9154	9156	9157	9157	9155	9153	9150	9145	9139
15.0	9102	9108	9113	9116	9117	9114	9109	9102	9093	9082
17.5	8984	8975	8969	8965	8963	8962	8965	8967	8972	8979
20.0	8825	8819	8814	8811	8810	8809	8809	8809	8811	8815
22.5	8663	8661	8659	8658	8656	8655	8653	8650	8647	8647
25.0	8500	8502	8504	8504	8503	8501	8496	8489	8482	8476
27.5	8335	8342	8348	8350	8349	8346	8339	8327	8314	8301
30.0	8168	8180	8191	8196	8196	8192	8181	8164	8145	8123
32.5	7949	7927	7915	7905	7900	7900	7902	7909	7922	7941
35.0	7643	7626	7616	7609	7604	7602	7601	7603	7612	7626
37.5	7338	7324	7318	7312	7308	7305	7299	7297	7303	7310
40.0	7031	7021	7018	7015	7011	7006	6997	6990	6991	6991
42.5	6723	6718	6719	6719	6715	6708	6694	6684	6680	6671
45.0	6415	6414	6420	6422	6419	6410	6392	6377	6369	6350
47.5	6071	6038	6023	6011	6003	5999	5992	5998	6021	6027
50.0	5639	5613	5605	5596	5587	5584	5572	5571	5586	5601
52.5	5206	5187	5187	5181	5171	5168	5151	5143	5149	5157
55.0	4773	4759	4768	4765	4755	4752	4730	4713	4714	4712
57.5	4342	4331	4349	4350	4339	4335	4308	4284	4279	4268
60.0	3911	3903	3930	3934	3923	3919	3886	3854	3845	3823
62.5	3458	3436	3450	3446	3433	3431	3408	3388	3391	3377
65.0	2972	2950	2960	2956	2943	2941	2921	2904	2906	2892
67.5	2486	2465	2471	2465	2452	2451	2434	2421	2422	2410
70.0	2001	1980	1983	1975	1962	1961	1949	1939	1939	1931

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]

72.5	1517	1495	1496	1484	1472	1471	1465	1458	1459	1455
75.0	1033	1012	1009	993.6	981.1	981.0	980.8	977.2	979.4	982.8
77.5	565.2	536.1	519.5	500.5	490.6	494.0	504.1	516.1	531.5	545.1
80.0	108.0	63.18	29.22	7.355	0	7.258	28.33	60.80	101.6	146.3
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	9359	9359	9359	9359	9359	9359	9359	9359	9359	9359
2.5	9323	9325	9327	9329	9332	9334	9337	9340	9343	9346
5.0	9284	9287	9290	9293	9296	9300	9304	9309	9315	9321
7.5	9240	9242	9243	9245	9247	9251	9255	9260	9267	9275
10.0	9190	9188	9186	9185	9186	9187	9190	9195	9201	9210
12.5	9133	9126	9121	9116	9111	9109	9109	9112	9117	9126
15.0	9070	9058	9046	9035	9026	9019	9015	9015	9018	9026
17.5	8990	8984	8965	8946	8930	8917	8907	8901	8901	8906
20.0	8822	8834	8850	8849	8824	8802	8784	8772	8767	8770
22.5	8649	8655	8667	8685	8708	8676	8649	8629	8618	8617
25.0	8471	8471	8475	8486	8508	8538	8500	8471	8453	8447
27.5	8288	8278	8274	8278	8291	8317	8339	8299	8271	8259
30.0	8100	8080	8066	8060	8065	8083	8116	8112	8072	8052
32.5	7907	7875	7850	7835	7829	7835	7858	7904	7855	7825
35.0	7645	7666	7630	7601	7581	7571	7584	7620	7616	7572
37.5	7320	7342	7381	7358	7317	7293	7291	7313	7352	7291
40.0	6993	7005	7029	7069	7042	7001	6980	6982	7024	6991
42.5	6664	6661	6668	6689	6733	6694	6646	6632	6661	6667
45.0	6331	6310	6298	6306	6334	6368	6297	6269	6280	6316
47.5	5993	5952	5924	5917	5925	5944	5944	5899	5889	5918
50.0	5611	5590	5549	5524	5513	5520	5561	5526	5487	5503
52.5	5154	5150	5171	5127	5105	5092	5117	5144	5078	5073
55.0	4696	4688	4699	4724	4700	4658	4662	4704	4655	4602
57.5	4240	4230	4223	4240	4278	4222	4191	4215	4194	4132
60.0	3786	3771	3746	3753	3763	3777	3726	3696	3720	3659
62.5	3337	3311	3270	3269	3253	3258	3250	3183	3198	3168
65.0	2871	2849	2797	2783	2752	2745	2732	2694	2676	2682
67.5	2397	2378	2332	2295	2260	2243	2220	2212	2163	2164
70.0	1926	1912	1882	1845	1791	1750	1734	1721	1688	1664
72.5	1458	1453	1442	1420	1388	1311	1275	1259	1243	1204
75.0	993.7	1001	1009	1010	998.5	958.3	887.4	845.7	838.7	805.5
77.5	553.4	555.1	583.2	612.4	629.4	627.8	596.1	529.0	496.7	487.0
80.0	189.9	226.9	252.9	268.1	276.8	317.5	333.5	317.3	265.4	244.1
82.5	0	0	0	35.84	74.90	96.35	101.4	137.5	138.8	101.4
85.0	0	0	0	0	0	0	0	23.21	39.79	40.32
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	9359	9359								
2.5	9350	9353								
5.0	9328	9335								
7.5	9284	9294								
10.0	9221	9234								
12.5	9138	9154								
15.0	9039	9056								
17.5	8918	8937								
20.0	8781	8802								
22.5	8626	8647								
25.0	8454	8475								
27.5	8263	8283								
30.0	8050	8070								
32.5	7818	7838								
35.0	7556	7572								
37.5	7266	7279								
40.0	6957	6972								
42.5	6621	6628								
45.0	6253	6254								
47.5	5871	5862								
50.0	5479	5440								
52.5	5055	4998								
55.0	4617	4556								
57.5	4171	4092								
60.0	3655	3611								
62.5	3140	3091								

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	2614	2584
67.5	2110	2082
70.0	1630	1616
72.5	1196	1172
75.0	796.5	774.8
77.5	463.0	441.6
80.0	219.1	209.9
82.5	99.66	85.26
85.0	38.46	34.02
87.5	4.472	5.223
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: