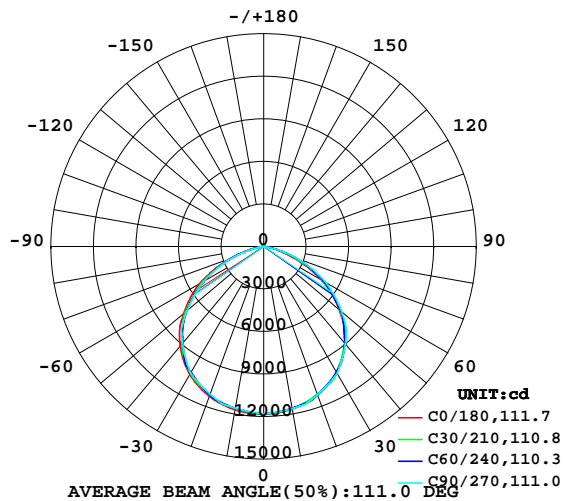


LUMINAIRE PHOTOMETRIC TEST REPORT

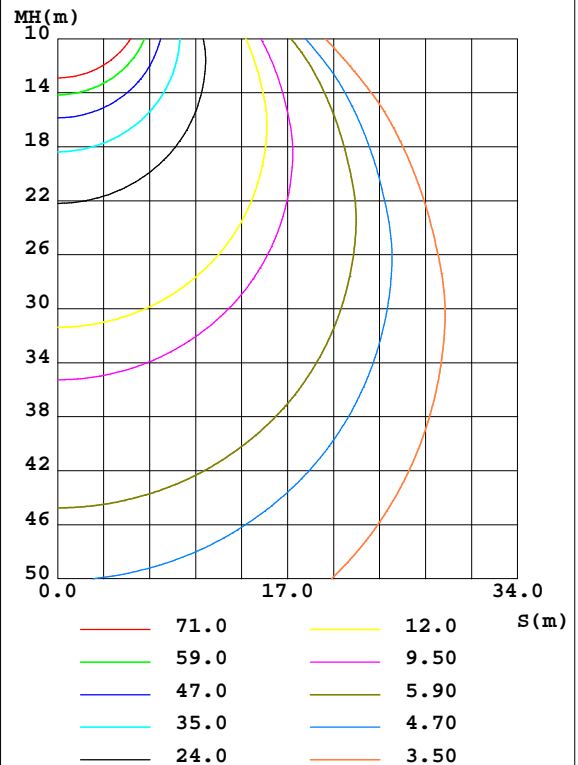
Test:U:120.04V I:1.8826A P:200.41W PF:0.8868 Freq:59.98Hz Lamp Flux:31918.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 159.27 lm/W			
MODEL	GST-32-U1	Imax(cd)	11820	S/MH(C0/180)	1.31
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	31919	η UP,DN(C0-180)	0.0,50.3
NOMINAL FLUX(lm)	31918.7	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.7
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:2024-11-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [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	1165	1158	1160	1160	1169	1158	1158	1157	0- 10	1116	1116	3.49,3.49
20	1114	1120	1112	1120	1124	1117	1109	1117	10- 20	3226	4342	13.6,13.6
30	1024	1021	1036	1028	1042	1025	1033	1018	20- 30	4953	9295	29.1,29.1
40	890.8	897.3	896.5	911.9	916.9	907.0	891.3	892.6	30- 40	6048	15343	48.1,48.1
50	695.9	700.4	718.8	724.6	737.0	715.8	706.8	692.5	40- 50	6246	21590	67.6,67.6
60	464.6	476.9	502.8	501.3	519.5	490.2	479.3	465.9	50- 60	5368	26958	84.5,84.5
70	201.4	237.9	252.1	253.2	256.6	240.5	233.0	223.4	60- 70	3564	30522	95.6,95.6
80	30.93	40.15	0	44.34	52.08	37.09	0	33.55	70- 80	1332	31854	99.8,99.8
90	0.8392	0	0	0	0.7639	0	0	0	80- 90	64.76	31919	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:×10cd									UNIT: lm		

Conical surface Flux(90deg): 18508 lm

%lum = 58.0%

%lamp = 58.0%

Conical surface Flux(120deg): 26958 lm

%lum = 84.5%

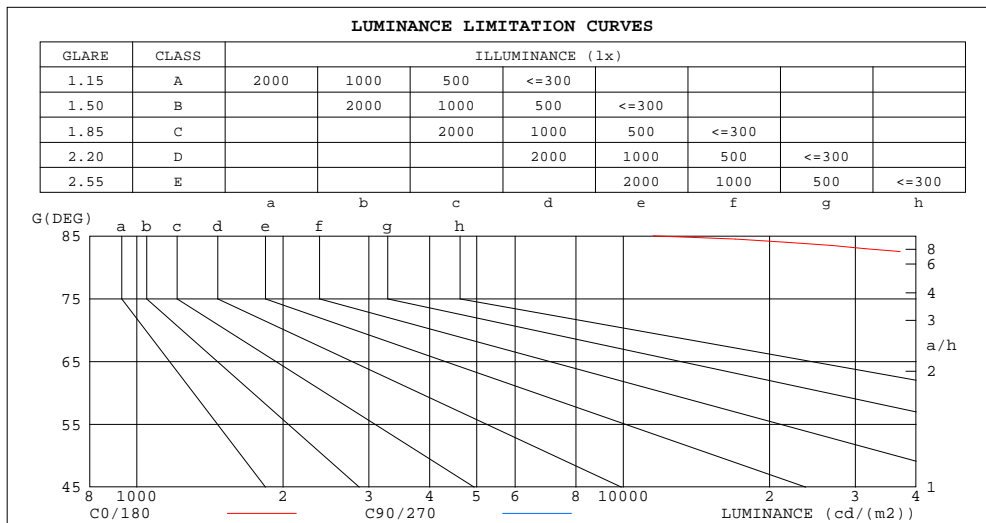
%lamp = 84.5%

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.04V I:1.8826A P:200.41W PF:0.8868 Freq:59.98Hz Lamp Flux:31918.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W	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	11517	0
80	74225	0
75	156734	204357
70	245322	307102
65	326079	372377
60	387158	418985
55	427186	443947
50	451102	465931
45	475300	487457

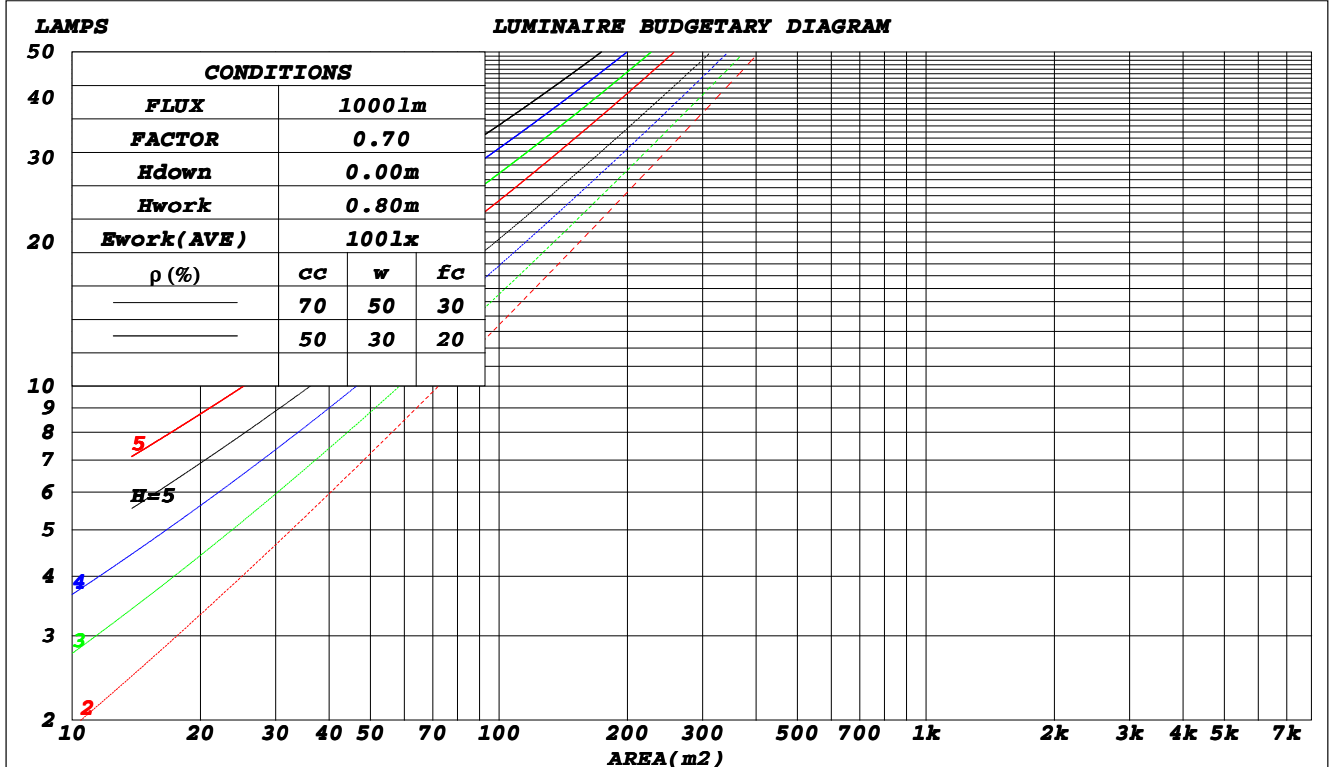
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.04V I:1.8826A P:200.41W PF:0.8868 Freq:59.98Hz Lamp Flux:31918.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W	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	.65	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.50	.62	.55	.49	.60	.54	.49	.58	.53	.48	.46
6.0	.59	.50	.44	.58	.49	.43	.56	.49	.43	.54	.48	.43	.53	.47	.42	.40
7.0	.53	.45	.39	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.38	.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	.29
10.0	.41	.33	.28	.40	.33	.28	.39	.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:2024-11-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.04V I:1.8826A P:200.41W PF:0.8868 Freq:59.98Hz Lamp Flux:31918.7x1 lm					
NAME: LED Explosion-proof Light			TYPE:Flood Light		WEIGHT:N/A
SPEC.:200W			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	.276	.157	.050	.269	.153	.049	.256	.147	.047	.244	.140	.045	.232	.135	.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	.237	.123	.036	.233	.122	.036	.224	.119	.035	.215	.116	.035	.207	.113	.034		
5.0	.221	.113	.033	.217	.112	.032	.209	.109	.032	.202	.106	.032	.195	.104	.031		
6.0	.207	.104	.030	.203	.103	.030	.196	.100	.029	.189	.098	.029	.183	.096	.029		
7.0	.193	.096	.027	.190	.095	.027	.184	.093	.027	.178	.091	.027	.172	.089	.026		
8.0	.181	.089	.025	.178	.088	.025	.173	.086	.025	.167	.085	.024	.162	.083	.024		
9.0	.171	.083	.023	.168	.082	.023	.163	.080	.023	.158	.079	.023	.153	.078	.023		
10.0	.161	.077	.021	.158	.076	.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	.109	.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	

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jessy
 Test Date:2024-11-06

$V(B)$ Range:-75 - 75DEG
 $V(B)$ Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65%
 Test Distance:6.878m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.04V I:1.8826A P:200.41W PF:0.8868 Freq:59.98Hz Lamp Flux:31918.7x1 lm										
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:200W					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	21.9	23.4	22.2	23.6	23.8	22.0	23.5	22.3	23.7	23.9
3H	22.8	24.1	23.1	24.4	24.6	23.1	24.5	23.4	24.7	24.9
4H	23.0	24.2	23.3	24.5	24.7	23.4	24.6	23.7	24.9	25.2
6H	22.9	24.1	23.3	24.4	24.7	23.3	24.5	23.7	24.8	25.1
8H	22.9	24.1	23.2	24.3	24.6	23.3	24.4	23.6	24.7	25.0
12H	22.9	24.0	23.2	24.3	24.6	23.2	24.3	23.6	24.6	24.9
4H 2H	22.4	23.7	22.7	23.9	24.2	22.5	23.8	22.8	24.0	24.3
3H	23.4	24.5	23.8	24.8	25.1	23.7	24.8	24.1	25.1	25.4
4H	23.6	24.6	24.0	25.0	25.3	24.0	25.0	24.4	25.4	25.7
6H	23.7	24.6	24.1	24.9	25.3	24.0	24.9	24.4	25.3	25.6
8H	23.6	24.5	24.1	24.8	25.2	24.0	24.8	24.4	25.2	25.5
12H	23.6	24.4	24.0	24.7	25.1	23.9	24.7	24.4	25.1	25.5
8H 4H	23.7	24.6	24.1	24.9	25.3	24.1	24.9	24.5	25.3	25.7
6H	23.8	24.5	24.3	24.9	25.3	24.1	24.8	24.5	25.2	25.6
8H	23.8	24.4	24.3	24.8	25.3	24.1	24.7	24.5	25.1	25.5
12H	23.8	24.3	24.2	24.7	25.2	24.0	24.5	24.5	25.0	25.4
12H 4H	23.7	24.4	24.1	24.8	25.2	24.0	24.8	24.5	25.2	25.6
6H	23.8	24.4	24.2	24.8	25.2	24.1	24.7	24.5	25.1	25.5
8H	23.8	24.3	24.2	24.7	25.2	24.0	24.5	24.5	25.0	25.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.4					+ 0.3 / - 0.3				
1.5H	+ 0.4 / - 0.6					+ 0.2 / - 0.4				
2.0H	+ 0.5 / - 0.6					+ 0.5 / - 0.4				

CIE Pub.117, 31919 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 12.0$)
Area: 0.024 m²

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.04V I:1.8826A P:200.41W PF:0.8868 Freq:59.98Hz Lamp Flux:31918.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

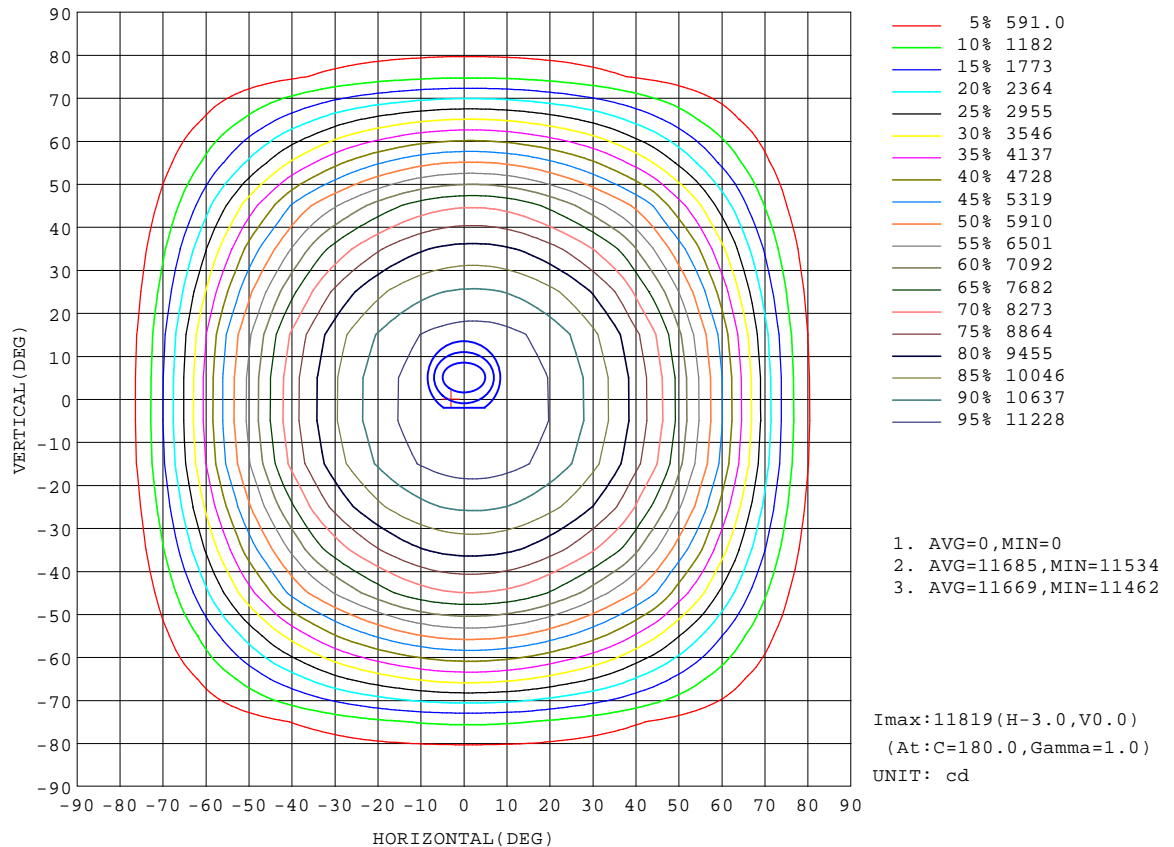
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	58	48	41	57	47	41	34
0.80	70	58	51	69	58	51	67	57	51	44
1.00	78	68	61	77	67	61	75	68	60	53
1.25	86	76	69	84	75	69	81	74	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:2024-11-06

$V(B)$ Range:-75 - 75DEG
 $V(B)$ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.04V I:1.8826A P:200.41W PF:0.8868 Freq:59.98Hz Lamp Flux:31918.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



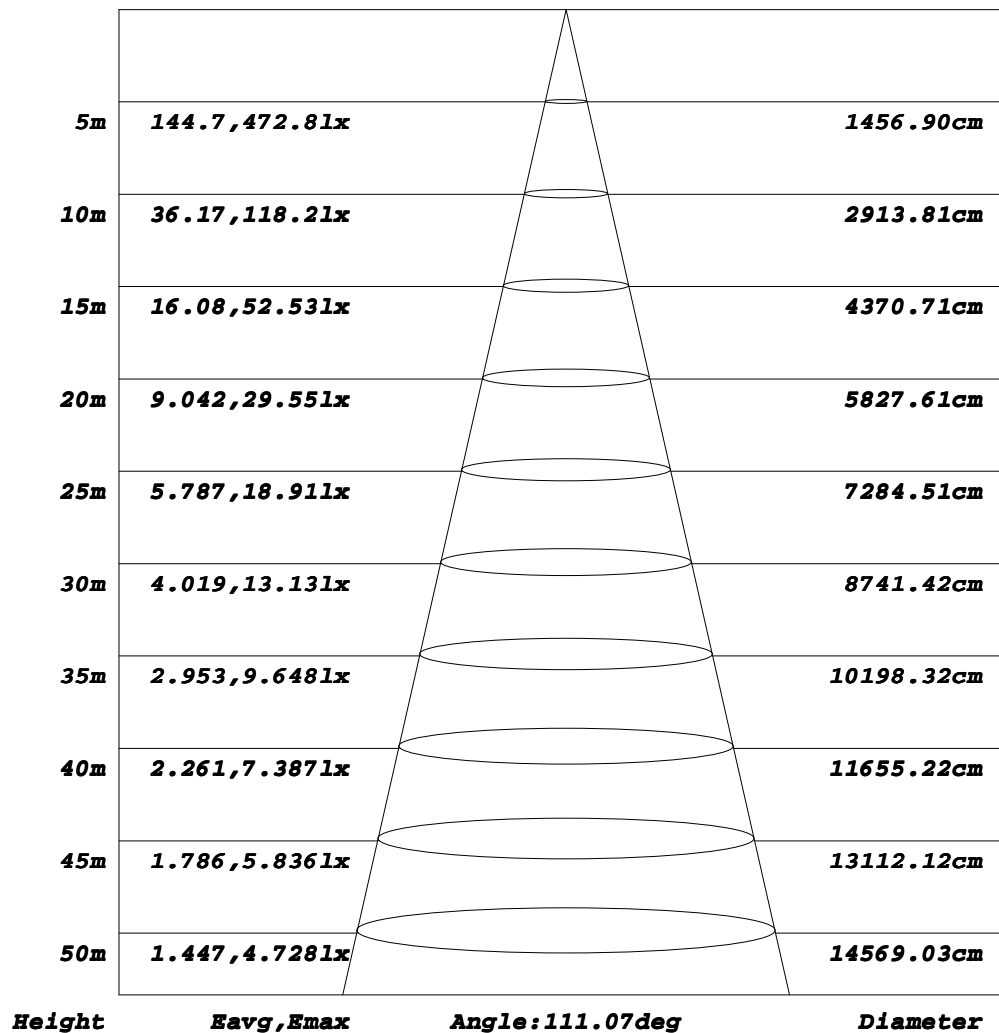
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.04V I:1.8826A P:200.41W PF:0.8868 Freq:59.98Hz Lamp Flux:31918.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:24976 lm



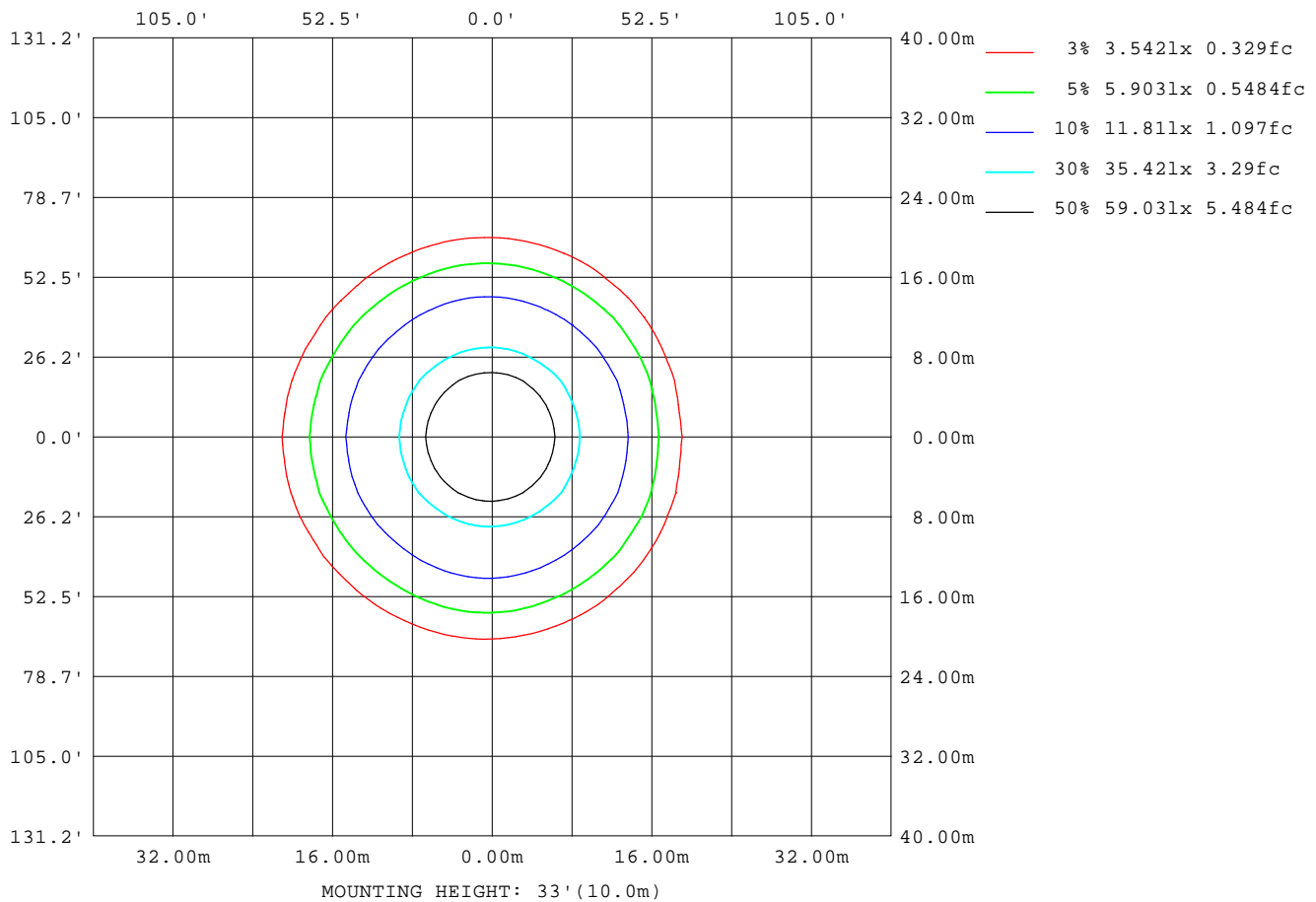
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessie
Test Date: 2024-11-06

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65%
Test Distance: 6.878m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.04V I:1.8826A P:200.41W PF:0.8868 Freq:59.98Hz Lamp Flux:31918.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W	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:2024-11-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.04V I:1.8826A P:200.41W PF:0.8868 Freq:59.98Hz Lamp Flux:31918.7x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:200W	DIM.: 230mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

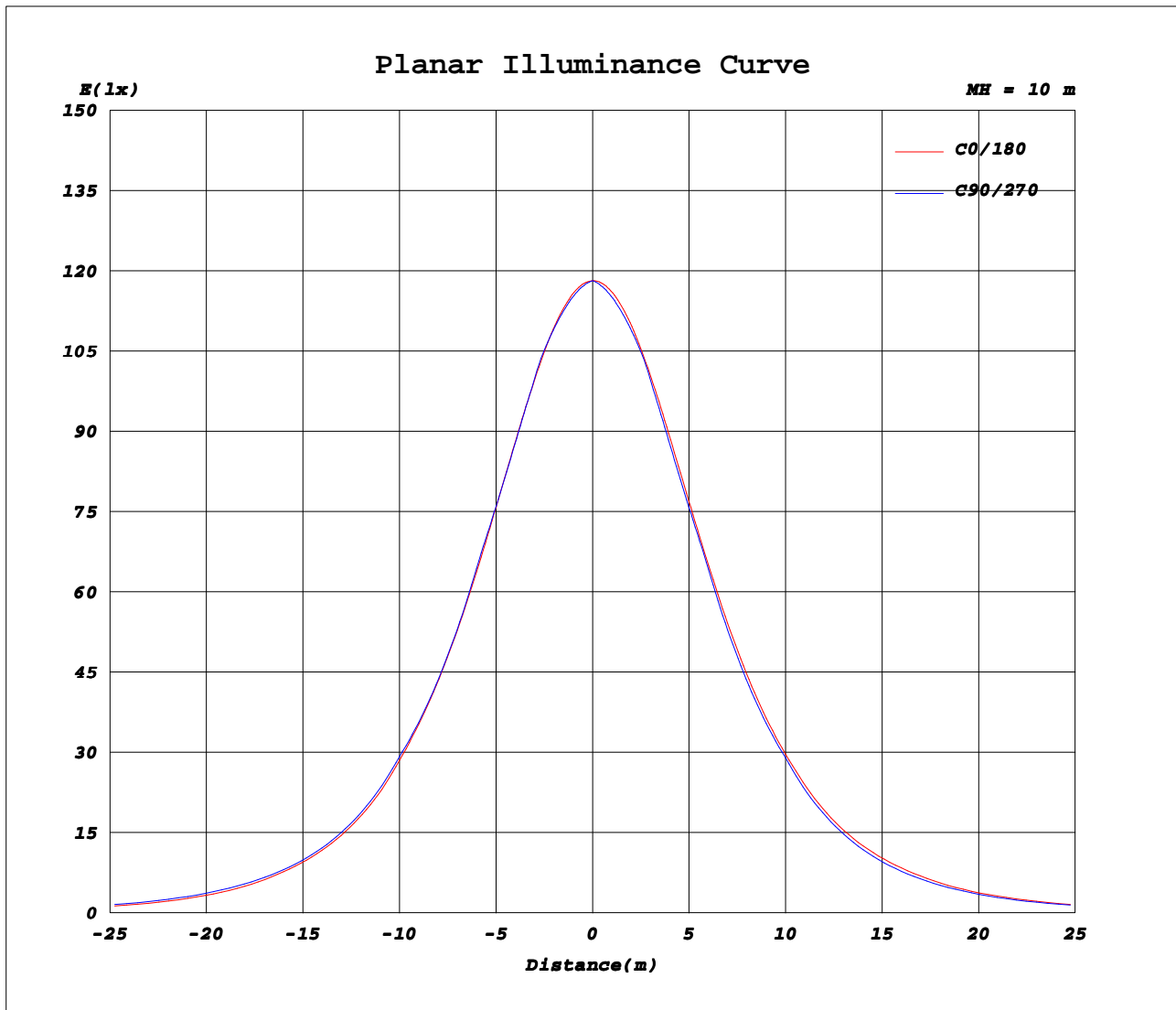
AvgL	cd/m2
L_0~180(65)av	353369
L_0~180(75)av	188267
L_0~180(85)av	22931
L_90~270(65)av	361952
L_90~270(75)av	190739
L_90~270(85)av	0
L_45(65)av	352463
L_45(75)av	215553
L_45(85)av	0

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:2024-11-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [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: 2024-11-06

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65%
Test Distance: 6.878m [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	11819	11819	11819	11819	11819	11819	11819	11819	11819	11819
2.5	11803	11799	11795	11791	11787	11783	11780	11777	11775	11772
5.0	11771	11763	11756	11749	11743	11738	11734	11730	11727	11724
7.5	11715	11704	11695	11687	11681	11677	11673	11671	11669	11665
10.0	11646	11633	11623	11614	11608	11604	11600	11592	11586	11584
12.5	11554	11539	11529	11522	11518	11513	11502	11495	11492	11491
15.0	11435	11421	11413	11411	11409	11393	11383	11377	11377	11392
17.5	11293	11280	11275	11277	11260	11244	11237	11243	11273	11300
20.0	11135	11123	11120	11118	11091	11076	11078	11116	11159	11204
22.5	10951	10942	10946	10929	10901	10888	10932	10983	11037	10993
25.0	10743	10737	10748	10711	10681	10708	10773	10842	10777	10727
27.5	10503	10505	10523	10467	10441	10514	10598	10551	10489	10452
30.0	10238	10245	10246	10187	10207	10306	10314	10234	10191	10211
32.5	9941	9958	9944	9879	9955	10073	9970	9901	9929	9964
35.0	9620	9650	9617	9561	9688	9697	9601	9614	9662	9670
37.5	9272	9317	9264	9259	9411	9301	9258	9323	9344	9339
40.0	8908	8969	8887	8943	9018	8871	8935	8998	8985	8973
42.5	8520	8596	8477	8611	8552	8459	8592	8596	8597	8540
45.0	8066	8175	7988	8245	8045	8048	8106	8142	8138	8091
47.5	7503	7629	7477	7704	7503	7632	7559	7624	7674	7550
50.0	6959	7057	6988	7073	7020	7098	7041	7122	7090	7004
52.5	6420	6504	6517	6465	6526	6526	6557	6545	6484	6549
55.0	5881	5946	6051	5873	6045	5976	6021	5941	6024	6082
57.5	5327	5359	5558	5361	5438	5453	5341	5420	5565	5418
60.0	4646	4666	4830	4834	4757	4852	4721	4929	4853	4769
62.5	3984	3963	4052	4177	4166	4097	4226	4169	4168	4202
65.0	3307	3304	3329	3429	3522	3475	3572	3479	3588	3575
67.5	2642	2714	2774	2794	2763	2923	2836	2933	2929	2897
70.0	2014	2193	2246	2269	2234	2205	2300	2286	2272	2379
72.5	1440	1655	1550	1554	1660	1695	1678	1695	1824	1875
75.0	973.6	1055	1107	1147	1127	1157	1177	1313	1332	1323
77.5	596.8	631.3	671.5	670.6	734.1	740.0	847.4	850.8	847.2	833.2
80.0	309.3	369.0	382.3	419.1	418.1	478.0	476.2	466.7	430.5	401.5
82.5	116.2	151.0	168.0	194.1	229.5	226.5	196.5	167.7	121.2	53.94
85.0	24.09	56.77	73.91	86.14	83.58	47.49	0	0	0	0
87.5	7.636	20.50	24.97	0	0	0	0	0	0	0
90.0	8.392	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	11819	11819	11819	11819	11819	11819	11819	11819	11819	11819
2.5	11770	11769	11767	11766	11766	11765	11765	11765	11766	11766
5.0	11721	11719	11716	11714	11713	11713	11713	11713	11713	11713
7.5	11661	11659	11658	11657	11656	11656	11657	11659	11659	11659
10.0	11583	11584	11586	11589	11593	11596	11598	11601	11605	11607
12.5	11492	11499	11512	11523	11533	11541	11545	11549	11552	11553
15.0	11412	11428	11445	11461	11476	11488	11493	11497	11499	11499
17.5	11328	11356	11359	11338	11324	11315	11310	11307	11308	11312
20.0	11199	11164	11141	11123	11114	11110	11110	11113	11118	11122
22.5	10956	10928	10909	10910	10912	10916	10920	10925	10928	10929
25.0	10694	10695	10702	10712	10720	10727	10732	10738	10738	10736
27.5	10463	10478	10496	10509	10515	10523	10531	10541	10548	10546
30.0	10234	10253	10256	10268	10288	10309	10327	10342	10358	10357
32.5	9974	9978	9996	10020	10011	10007	10003	10003	10010	10014
35.0	9672	9692	9673	9660	9658	9659	9658	9660	9662	9664
37.5	9342	9308	9295	9296	9290	9291	9296	9303	9313	9320
40.0	8929	8910	8884	8876	8887	8906	8927	8945	8965	8976
42.5	8509	8447	8426	8441	8493	8542	8577	8600	8618	8625
45.0	7999	7958	7986	8055	8132	8191	8233	8257	8272	8272
47.5	7476	7519	7587	7675	7704	7706	7708	7716	7730	7744
50.0	7032	7099	7109	7096	7109	7128	7145	7166	7188	7207
52.5	6591	6530	6496	6490	6529	6574	6605	6631	6650	6661
55.0	5962	5907	5918	5948	5994	6038	6072	6096	6111	6114
57.5	5337	5358	5390	5418	5443	5477	5513	5546	5570	5577
60.0	4798	4832	4830	4832	4856	4900	4948	4995	5028	5040
62.5	4224	4228	4235	4246	4270	4311	4349	4381	4402	4412
65.0	3567	3623	3654	3666	3685	3718	3744	3765	3777	3781
67.5	2974	3064	3085	3083	3084	3103	3122	3136	3149	3157
70.0	2450	2489	2477	2466	2463	2478	2496	2508	2521	2534
72.5	1871	1876	1861	1861	1875	1886	1886	1888	1895	1906
75.0	1307	1304	1292	1282	1276	1280	1279	1269	1269	1278
77.5	798.0	760.4	742.5	725.3	701.0	679.7	658.3	639.5	634.7	643.5
80.0	362.4	312.2	255.0	194.6	133.9	80.02	37.01	9.397	0	9.457
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:2024-11-06

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.878m [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	11819	11819	11819	11819	11819	11819	11819	11819	11819	11819
2.5	11767	11768	11769	11771	11772	11774	11777	11780	11783	11786
5.0	11713	11714	11715	11717	11718	11720	11722	11725	11729	11734
7.5	11660	11661	11661	11661	11660	11660	11661	11662	11665	11671
10.0	11608	11609	11609	11607	11604	11602	11600	11598	11595	11593
12.5	11553	11551	11547	11543	11541	11539	11534	11526	11519	11514
15.0	11495	11488	11479	11470	11460	11451	11443	11439	11435	11421
17.5	11318	11325	11334	11345	11358	11353	11338	11326	11317	11315
20.0	11130	11137	11145	11155	11165	11179	11196	11197	11183	11173
22.5	10934	10937	10945	10956	10970	10979	10992	11010	11031	11012
25.0	10733	10731	10730	10732	10741	10760	10783	10793	10808	10828
27.5	10543	10536	10522	10505	10502	10510	10529	10563	10572	10580
30.0	10356	10346	10328	10305	10282	10253	10254	10276	10316	10326
32.5	10024	10042	10066	10104	10072	10031	9991	9974	10005	10060
35.0	9666	9673	9686	9713	9756	9807	9753	9702	9677	9721
37.5	9322	9320	9313	9312	9335	9385	9473	9446	9376	9362
40.0	8980	8977	8965	8949	8930	8935	9008	9119	9099	9012
42.5	8623	8615	8602	8587	8553	8530	8528	8620	8767	8706
45.0	8261	8237	8204	8170	8146	8134	8116	8120	8235	8395
47.5	7756	7764	7761	7737	7686	7674	7698	7687	7688	7825
50.0	7221	7227	7223	7209	7194	7186	7193	7246	7230	7196
52.5	6668	6669	6671	6673	6658	6658	6676	6705	6777	6676
55.0	6109	6095	6084	6080	6096	6122	6133	6158	6212	6224
57.5	5569	5543	5514	5483	5492	5523	5585	5603	5647	5670
60.0	5034	5007	4976	4946	4922	4907	4944	5013	5064	5031
62.5	4413	4405	4402	4411	4391	4367	4326	4333	4441	4424
65.0	3777	3768	3766	3775	3794	3823	3779	3709	3725	3801
67.5	3159	3153	3149	3148	3159	3185	3178	3140	3104	3071
70.0	2546	2550	2555	2562	2571	2571	2539	2532	2544	2480
72.5	1919	1931	1948	1969	1996	2008	1987	1959	1960	1932
75.0	1291	1308	1331	1356	1385	1419	1449	1464	1455	1385
77.5	664.2	693.1	731.1	766.4	794.8	818.0	875.6	935.5	986.5	980.2
80.0	37.33	81.66	139.8	205.7	272.9	335.9	394.8	443.4	482.4	547.4
82.5	0	0	0	0	0	0	0	59.61	134.8	187.9
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	11819	11819	11819	11819	11819	11819	11819	11819	11819	11819
2.5	11789	11793	11797	11802	11806	11811	11816	11810	11805	11800
5.0	11740	11746	11754	11762	11771	11780	11790	11779	11769	11759
7.5	11677	11686	11697	11709	11722	11737	11754	11736	11719	11704
10.0	11593	11602	11615	11631	11649	11670	11693	11668	11646	11626
12.5	11509	11505	11514	11532	11555	11582	11613	11580	11551	11526
15.0	11409	11400	11395	11411	11439	11473	11512	11470	11433	11404
17.5	11300	11283	11269	11269	11300	11340	11388	11337	11293	11258
20.0	11172	11151	11126	11107	11133	11181	11239	11177	11126	11096
22.5	11003	11002	10964	10935	10943	10999	11068	10996	10937	10924
25.0	10807	10802	10786	10748	10733	10798	10881	10796	10728	10739
27.5	10592	10581	10591	10539	10500	10567	10664	10565	10495	10532
30.0	10335	10337	10341	10312	10257	10311	10423	10309	10251	10304
32.5	10057	10064	10062	10064	9991	10025	10156	10021	9984	10055
35.0	9768	9756	9756	9782	9695	9704	9848	9697	9684	9768
37.5	9426	9436	9426	9446	9384	9357	9520	9348	9367	9423
40.0	9031	9104	9068	9081	9053	9089	9169	8977	9031	9050
42.5	8606	8681	8689	8696	8707	8594	8793	8576	8679	8655
45.0	8215	8176	8282	8271	8334	8147	8398	8128	8294	8213
47.5	7813	7644	7824	7758	7827	7645	7920	7627	7790	7703
50.0	7311	7203	7240	7245	7267	7128	7370	7108	7228	7191
52.5	6690	6780	6639	6753	6710	6626	6836	6606	6671	6697
55.0	6091	6247	6119	6253	6157	6130	6310	6110	6117	6197
57.5	5597	5573	5685	5621	5599	5625	5775	5608	5564	5556
60.0	5047	4966	5164	4927	5022	5057	5195	5038	4983	4866
62.5	4379	4456	4353	4321	4416	4439	4509	4421	4375	4254
65.0	3769	3788	3673	3826	3810	3803	3861	3782	3760	3744
67.5	3192	3073	3169	3124	3060	3089	3192	3064	3005	3035
70.0	2456	2542	2462	2372	2352	2402	2566	2370	2288	2291
72.5	1871	1875	1865	1913	1900	1737	1932	1709	1831	1830
75.0	1369	1318	1344	1272	1283	1293	1365	1263	1223	1190
77.5	924.0	883.3	829.7	893.2	835.2	844.7	902.7	825.7	791.2	827.5

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-06

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.878m [K=1.0000]

Remarks:

Photometric Data Table [cd]

80.0	588.3	545.7	500.7	458.2	410.7	398.3	520.8	399.5	397.3	422.6
82.5	218.1	277.4	285.4	239.6	216.0	173.8	232.4	176.0	209.0	218.4
85.0	0	52.68	89.53	116.1	86.10	51.58	71.84	50.90	82.96	100.1
87.5	0	0	0	0	24.28	19.91	12.26	17.68	22.45	0
90.0	0	0	0	0	0	0	7.639	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	11819	11819	11819	11819	11819	11819	11819	11819	11819	11819
2.5	11795	11791	11787	11783	11779	11776	11772	11770	11768	11766
5.0	11750	11742	11734	11728	11722	11717	11714	11711	11708	11706
7.5	11691	11679	11669	11661	11654	11650	11647	11646	11646	11646
10.0	11609	11594	11582	11580	11580	11582	11583	11584	11585	11586
12.5	11506	11496	11498	11500	11502	11506	11512	11516	11516	11518
15.0	11385	11388	11396	11406	11418	11419	11420	11424	11431	11439
17.5	11256	11267	11283	11297	11298	11304	11315	11327	11326	11311
20.0	11111	11132	11149	11148	11155	11171	11171	11154	11137	11123
22.5	10948	10981	10977	10983	10997	10979	10966	10956	10946	10927
25.0	10774	10785	10784	10797	10777	10762	10755	10737	10720	10709
27.5	10581	10568	10574	10557	10543	10534	10501	10485	10480	10486
30.0	10330	10324	10319	10304	10290	10248	10227	10229	10260	10288
32.5	10050	10050	10037	10036	9977	9947	9966	10009	10051	10088
35.0	9739	9736	9742	9690	9643	9670	9728	9785	9728	9681
37.5	9396	9405	9389	9319	9335	9408	9440	9351	9294	9264
40.0	9028	9058	8982	8957	9046	9070	8959	8886	8873	8887
42.5	8636	8613	8529	8640	8699	8558	8465	8467	8483	8510
45.0	8222	8102	8117	8311	8161	8041	8043	8059	8065	8078
47.5	7758	7575	7709	7719	7605	7601	7617	7589	7594	7632
50.0	7171	7129	7221	7091	7141	7158	7100	7091	7090	7091
52.5	6571	6697	6604	6583	6688	6624	6574	6554	6543	6542
55.0	6051	6163	5990	6133	6119	6079	6025	6008	5972	5940
57.5	5613	5491	5494	5558	5553	5506	5466	5400	5360	5334
60.0	5072	4880	4950	4903	4960	4902	4813	4773	4781	4784
62.5	4269	4357	4283	4300	4329	4211	4179	4224	4240	4237
65.0	3588	3677	3662	3674	3599	3578	3615	3672	3642	3609
67.5	3079	2971	3076	2943	2974	3002	3014	3035	3011	2989
70.0	2366	2440	2336	2343	2410	2405	2395	2424	2424	2404
72.5	1771	1773	1752	1798	1826	1845	1857	1870	1852	1813
75.0	1262	1215	1260	1275	1338	1356	1330	1293	1246	1202
77.5	759.5	797.2	838.7	889.8	889.2	836.6	771.6	706.7	676.7	652.0
80.0	448.8	491.1	526.5	480.8	408.8	370.9	336.0	288.6	232.4	174.9
82.5	256.3	246.5	185.9	156.8	112.7	49.89	0	0	0	0
85.0	80.47	46.20	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	11819	11819	11819	11819	11819	11819	11819	11819	11819	11819
2.5	11764	11763	11762	11761	11761	11760	11760	11760	11761	11762
5.0	11705	11704	11703	11702	11703	11703	11704	11704	11705	11706
7.5	11645	11646	11645	11644	11644	11643	11642	11643	11643	11645
10.0	11587	11588	11588	11587	11585	11582	11581	11579	11576	11573
12.5	11521	11524	11526	11527	11527	11525	11523	11520	11512	11503
15.0	11447	11455	11462	11466	11469	11468	11467	11462	11451	11437
17.5	11300	11292	11285	11281	11278	11279	11284	11290	11298	11312
20.0	11113	11106	11098	11093	11087	11086	11086	11085	11088	11096
22.5	10914	10906	10903	10900	10899	10898	10896	10892	10886	10881
25.0	10703	10700	10705	10706	10710	10709	10704	10694	10686	10686
27.5	10498	10506	10516	10518	10518	10514	10510	10499	10490	10486
30.0	10306	10318	10331	10331	10327	10318	10307	10284	10267	10248
32.5	10042	10010	9991	9979	9975	9973	9976	9978	9988	10004
35.0	9652	9633	9623	9622	9623	9623	9625	9621	9624	9630
37.5	9267	9270	9270	9270	9268	9261	9253	9243	9242	9251
40.0	8904	8916	8921	8920	8913	8898	8874	8848	8824	8816
42.5	8527	8542	8553	8562	8560	8547	8517	8473	8414	8367
45.0	8111	8150	8181	8202	8208	8198	8165	8111	8038	7967
47.5	7651	7658	7653	7647	7638	7629	7617	7606	7593	7571
50.0	7099	7102	7095	7083	7068	7049	7027	7005	6986	6982
52.5	6533	6526	6518	6510	6501	6486	6463	6432	6396	6368
55.0	5931	5933	5936	5936	5935	5923	5906	5879	5847	5817
57.5	5346	5364	5372	5371	5364	5345	5326	5302	5284	5276
60.0	4795	4809	4814	4807	4793	4766	4740	4712	4688	4680
62.5	4214	4206	4199	4189	4179	4160	4143	4120	4098	4085
65.0	3584	3578	3574	3570	3565	3554	3545	3530	3515	3508
67.5	2971	2968	2963	2957	2948	2936	2929	2920	2918	2930
70.0	2380	2368	2356	2343	2330	2318	2310	2303	2304	2315

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-06

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.878m [K=1.0000]

Remarks:

Photometric Data Table [cd]

72.5	1778	1755	1738	1727	1715	1709	1707	1704	1706	1714
75.0	1166	1137	1119	1111	1100	1100	1105	1111	1122	1140
77.5	623.7	594.1	572.1	558.8	550.1	553.2	565.4	581.2	601.3	620.7
80.0	119.2	69.99	32.15	8.212	0	8.128	31.77	68.45	114.9	166.4
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	11819	11819	11819	11819	11819	11819	11819	11819	11819	11819
2.5	11763	11765	11767	11769	11772	11775	11778	11781	11785	11789
5.0	11708	11711	11714	11718	11721	11725	11729	11734	11740	11747
7.5	11646	11648	11651	11655	11660	11664	11667	11671	11677	11684
10.0	11571	11569	11569	11571	11575	11581	11591	11596	11601	11609
12.5	11492	11482	11474	11471	11474	11480	11489	11502	11509	11515
15.0	11422	11404	11386	11370	11358	11359	11365	11378	11397	11401
17.5	11331	11323	11300	11275	11247	11220	11218	11229	11248	11268
20.0	11110	11136	11169	11169	11130	11093	11059	11060	11078	11108
22.5	10884	10899	10924	10962	11008	10959	10912	10869	10885	10917
25.0	10677	10667	10668	10701	10750	10816	10748	10686	10664	10698
27.5	10472	10454	10439	10428	10461	10522	10570	10490	10421	10452
30.0	10236	10231	10212	10185	10161	10202	10283	10279	10186	10172
32.5	9976	9957	9951	9936	9896	9867	9938	10044	9936	9867
35.0	9648	9670	9644	9637	9625	9577	9567	9672	9670	9546
37.5	9256	9273	9306	9299	9302	9279	9219	9268	9387	9237
40.0	8830	8863	8881	8926	8930	8945	8886	8821	8982	8915
42.5	8360	8388	8449	8482	8531	8530	8527	8395	8504	8576
45.0	7907	7884	7932	8023	8066	8048	8015	7974	7986	8194
47.5	7496	7434	7399	7475	7596	7519	7461	7555	7428	7635
50.0	7010	7004	6949	6925	7002	7022	6946	7014	6945	7013
52.5	6387	6428	6503	6467	6396	6451	6459	6436	6482	6402
55.0	5794	5795	5859	5998	5943	5830	5920	5882	5960	5797
57.5	5253	5233	5217	5320	5486	5297	5246	5357	5332	5278
60.0	4681	4691	4657	4659	4742	4802	4625	4748	4650	4752
62.5	4074	4066	4067	4078	4027	4056	4125	3974	4066	4092
65.0	3492	3439	3400	3438	3443	3362	3456	3359	3425	3328
67.5	2929	2892	2811	2741	2782	2800	2700	2812	2661	2704
70.0	2330	2331	2303	2234	2122	2137	2164	2096	2136	2179
72.5	1723	1733	1742	1745	1691	1546	1548	1586	1558	1470
75.0	1161	1178	1194	1213	1219	1189	1058	1056	1040	1065
77.5	633.6	650.0	698.2	739.6	755.4	759.4	755.7	658.6	660.7	615.1
80.0	217.6	265.4	306.1	335.5	359.9	402.5	416.3	422.8	365.7	380.0
82.5	0	0	0	45.01	99.95	137.7	161.6	196.0	197.9	173.7
85.0	0	0	0	0	0	0	0	40.12	69.09	74.18
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	11819	11819								
2.5	11794	11798								
5.0	11754	11763								
7.5	11693	11703								
10.0	11619	11631								
12.5	11524	11537								
15.0	11407	11418								
17.5	11269	11277								
20.0	11114	11120								
22.5	10938	10938								
25.0	10739	10732								
27.5	10512	10500								
30.0	10236	10240								
32.5	9936	9953								
35.0	9606	9644								
37.5	9248	9310								
40.0	8867	8958								
42.5	8448	8583								
45.0	7943	8152								
47.5	7436	7608								
50.0	6947	7037								
52.5	6471	6481								
55.0	5999	5918								
57.5	5497	5328								
60.0	4768	4634								
62.5	3986	3931								

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-06

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.878m [K=1.0000]

Remarks:

Photometric Data Table [cd]

65.0	3261	3263
67.5	2705	2673
70.0	2177	2151
72.5	1482	1616
75.0	1044	1016
77.5	630.9	608.5
80.0	364.3	366.0
82.5	161.2	155.4
85.0	68.39	58.61
87.5	20.89	15.52
90.0	0	0

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.878m [K=1.0000]
Remarks: