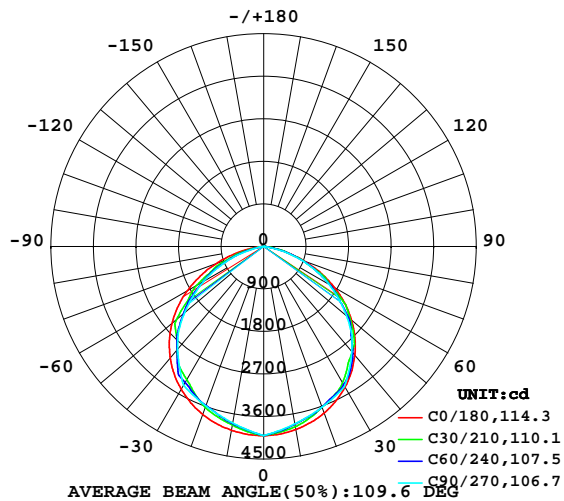


LUMINAIRE PHOTOMETRIC TEST REPORT

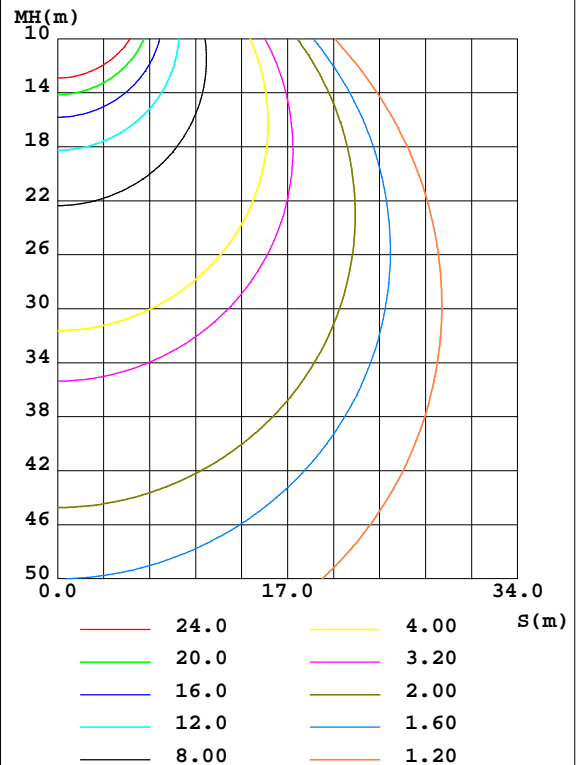
Test:U:120.04V I:0.5200A P:62.267W PF:0.9975 Freq:59.98Hz Lamp Flux:10529.2x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 169.10 lm/W			
MODEL	GHLV-10-U	Imax(cd)	4003	S/MH(C0/180)	1.30
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	10529	η UP,DN(C0-180)	0.0,50.7
NOMINAL FLUX(lm)	10529.2	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.3
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:2024-10-15

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	3931	3839	3811	3831	3949	3819	3792	3827	0- 10	372.4	372.4	3.54,3.54
20	3747	3630	3619	3597	3780	3568	3590	3603	10- 20	1057	1429	13.6,13.6
30	3440	3333	3424	3332	3492	3298	3394	3310	20- 30	1615	3044	28.9,28.9
40	3001	2962	2902	3011	3079	2963	2834	2948	30- 40	1970	5014	47.6,47.6
50	2428	2310	2291	2376	2533	2302	2188	2268	40- 50	2025	7039	66.9,66.9
60	1720	1599	1593	1644	1856	1558	1454	1528	50- 60	1752	8791	83.5,83.5
70	934.2	888.5	849.9	865.5	1065	789.0	698.9	792.9	60- 70	1202	9993	94.9,94.9
80	193.0	210.8	0	196.9	309.2	104.6	0	133.1	70- 80	502.4	10496	99.7,99.7
90	9.523	0	0	0	11.71	0	0	0	80- 90	33.34	10529	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): 6039.6 lm

%lum = 57.4%

%lamp = 57.4%

Conical surface Flux(120deg): 8791.2 lm

%lum = 83.5%

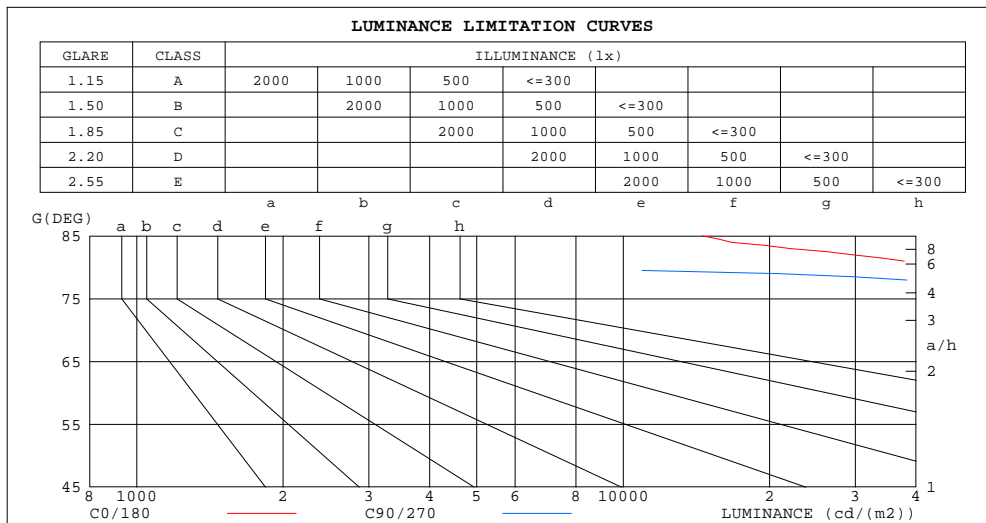
%lamp = 83.5%

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-15

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:120.04V I:0.5200A P:62.267W PF:0.9975 Freq:59.98Hz Lamp Flux:10529.2x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	14538	0
80	46299	0
75	85876	76966
70	113810	103536
65	131736	120461
60	143362	132732
55	152231	141142
50	157380	148527
45	160842	155649

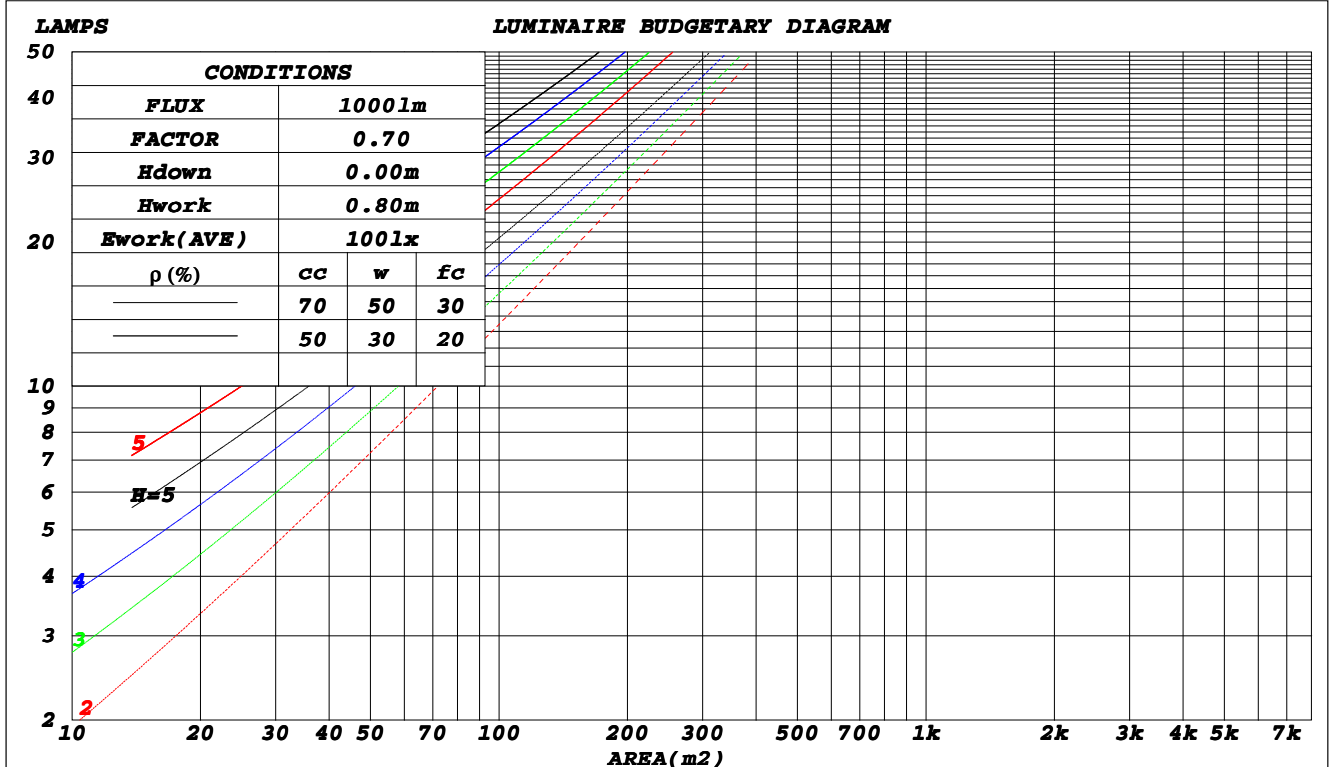
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-15

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:120.04V I:0.5200A P:62.267W PF:0.9975 Freq:59.98Hz Lamp Flux:10529.2x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.05	1.02	.98	1.03	.00	.96	.99	.96	.93	.95	.93	.91	.92	.90	.88	.86
2.0	.92	.86	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.77	.74	.72
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.74	.69	.65	.72	.67	.63	.61
4.0	.72	.64	.57	.71	.63	.57	.69	.62	.56	.66	.60	.55	.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	.46	.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	.43	.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:2024-10-15

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:120.04V I:0.5200A P:62.267W PF:0.9975 Freq:59.98Hz Lamp Flux:10529.2x1 lm					
NAME: LED Linear Explosion-proof Light			TYPE:Flood Light		WEIGHT:N/A
SPEC.:60W/5000K			DIM.: 1450*10mm		SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.			SUR.:N/A		Shielding Angle:N/A

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.280	.159	.050	.273	.156	.049	.260	.149	.048	.248	.143	.046	.237	.137	.044		
2.0	.272	.149	.046	.266	.146	.045	.254	.141	.044	.244	.137	.043	.234	.132	.042		
3.0	.256	.136	.041	.251	.134	.040	.241	.130	.040	.231	.127	.039	.222	.123	.038		
4.0	.239	.124	.037	.234	.123	.036	.225	.119	.036	.217	.116	.035	.209	.114	.035		
5.0	.223	.113	.033	.218	.112	.033	.210	.110	.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	.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	.153	.134	.118	.104	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.170	.132	.100	.145	.114	.087	.100	.079	.061	.057	.046	.035	.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:2024-10-15

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:120.04V I:0.5200A P:62.267W PF:0.9975 Freq:59.98Hz Lamp Flux:10529.2x1 lm										
NAME: LED Linear Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:60W/5000K					DIM.: 1450*10mm			SERIAL No.:N/A		
MFR.: Grin Industrial Co., Ltd.					SUR.:N/A			Shielding Angle:N/A		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	22.2	23.7	22.4	23.9	24.1	22.0	23.4	22.2	23.6	23.8
3H	23.4	24.7	23.7	25.0	25.2	23.1	24.5	23.4	24.7	24.9
4H	23.7	25.0	24.0	25.3	25.5	23.4	24.7	23.7	25.0	25.2
6H	23.8	25.0	24.2	25.3	25.6	23.4	24.6	23.7	24.9	25.2
8H	23.8	25.0	24.1	25.2	25.5	23.4	24.5	23.7	24.8	25.1
12H	23.8	24.9	24.1	25.2	25.5	23.3	24.4	23.7	24.7	25.0
4H 2H	22.7	24.0	23.0	24.2	24.5	22.5	23.8	22.8	24.0	24.3
3H	24.0	25.1	24.4	25.4	25.7	23.8	24.9	24.2	25.2	25.5
4H	24.4	25.5	24.8	25.8	26.1	24.2	25.2	24.6	25.5	25.9
6H	24.6	25.5	25.0	25.9	26.2	24.2	25.1	24.6	25.5	25.8
8H	24.6	25.5	25.0	25.8	26.2	24.2	25.0	24.6	25.4	25.8
12H	24.6	25.4	25.0	25.8	26.2	24.1	24.9	24.6	25.3	25.7
8H 4H	24.6	25.4	25.0	25.8	26.2	24.3	25.2	24.8	25.5	25.9
6H	24.8	25.5	25.3	25.9	26.4	24.4	25.1	24.8	25.5	25.9
8H	24.9	25.5	25.3	25.9	26.4	24.4	25.0	24.8	25.4	25.8
12H	24.9	25.4	25.4	25.8	26.3	24.3	24.8	24.8	25.3	25.8
12H 4H	24.5	25.3	25.0	25.7	26.1	24.3	25.1	24.7	25.5	25.9
6H	24.8	25.4	25.3	25.8	26.3	24.4	25.0	24.8	25.4	25.9
8H	24.9	25.4	25.3	25.8	26.3	24.3	24.9	24.8	25.3	25.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.3					+ 0.2 / - 0.3				
1.5H	+ 0.4 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.3 / - 0.5					+ 0.4 / - 0.4				

CIE Pub.117, 10529 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 8.2$)
Area: 0.024 m²

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-15

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:120.04V I:0.5200A P:62.267W PF:0.9975 Freq:59.98Hz Lamp Flux:10529.2x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

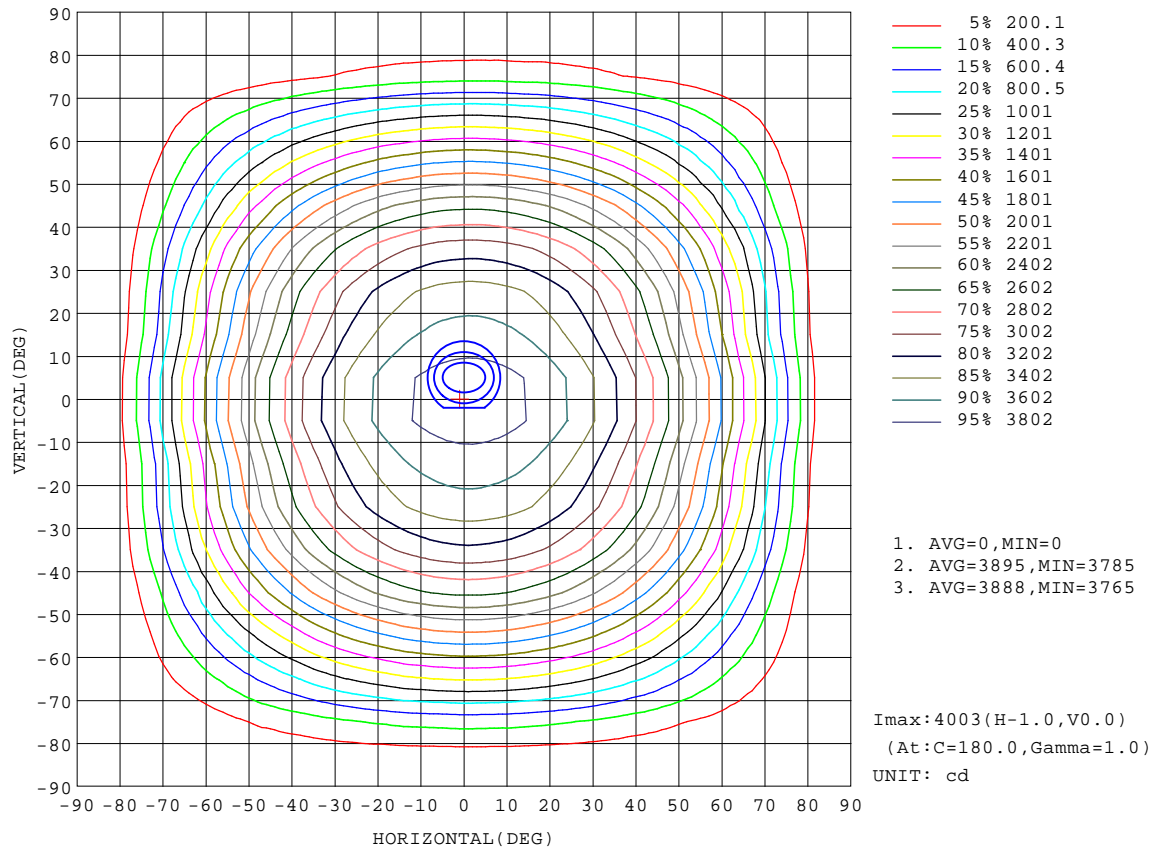
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	58	47	41	57	47	40	34
0.80	69	58	51	68	58	51	67	57	50	44
1.00	78	67	60	77	67	60	75	68	60	53
1.25	85	75	68	84	74	68	81	73	67	60
1.50	90	81	74	88	80	74	86	78	73	65
2.00	97	89	83	95	88	82	92	86	81	73
2.50	101	93	88	99	92	87	95	89	85	77
3.00	104	97	92	102	96	91	98	93	89	81
4.00	108	102	98	105	101	97	101	97	94	86
5.00	110	105	102	107	103	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:2024-10-15

$V(B)$ 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:120.04V I:0.5200A P:62.267W PF:0.9975 Freq:59.98Hz Lamp Flux:10529.2x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



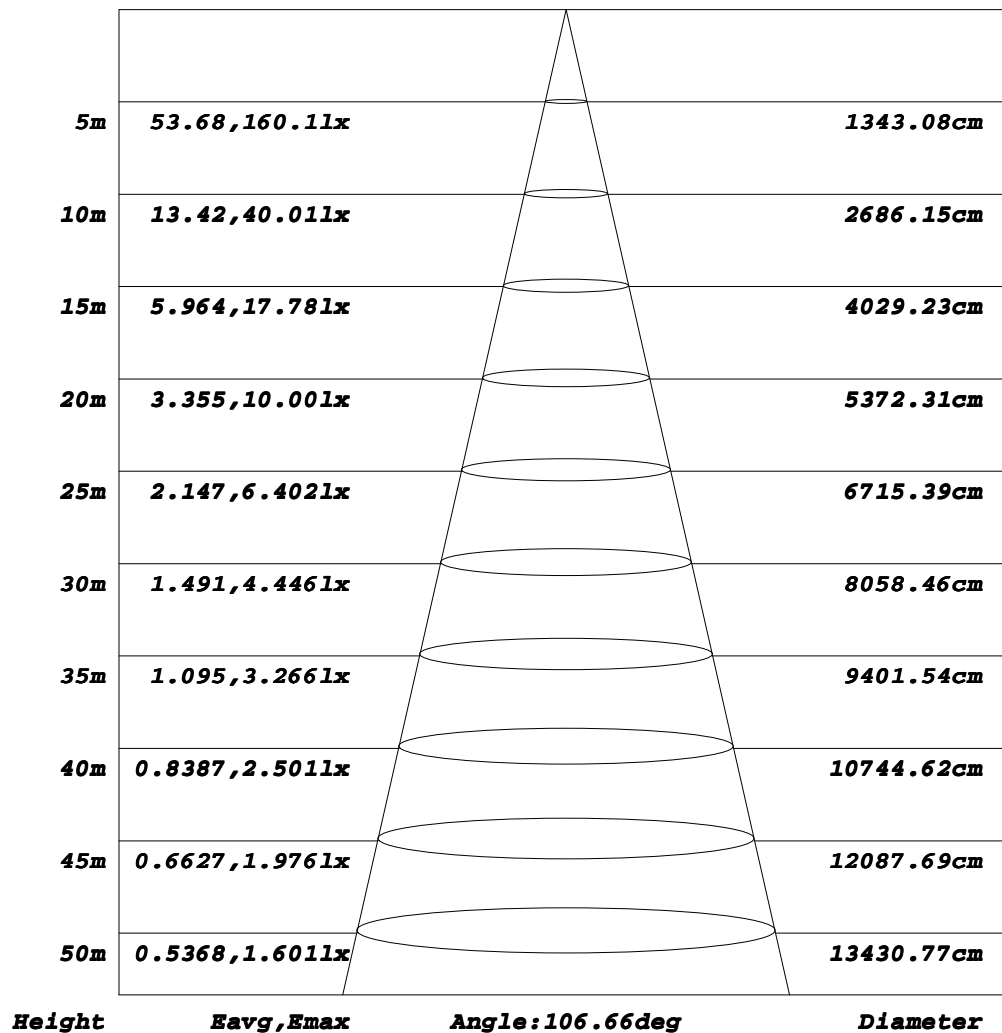
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-15

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:120.04V I:0.5200A P:62.267W PF:0.9975 Freq:59.98Hz Lamp Flux:10529.2x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:7700 lm



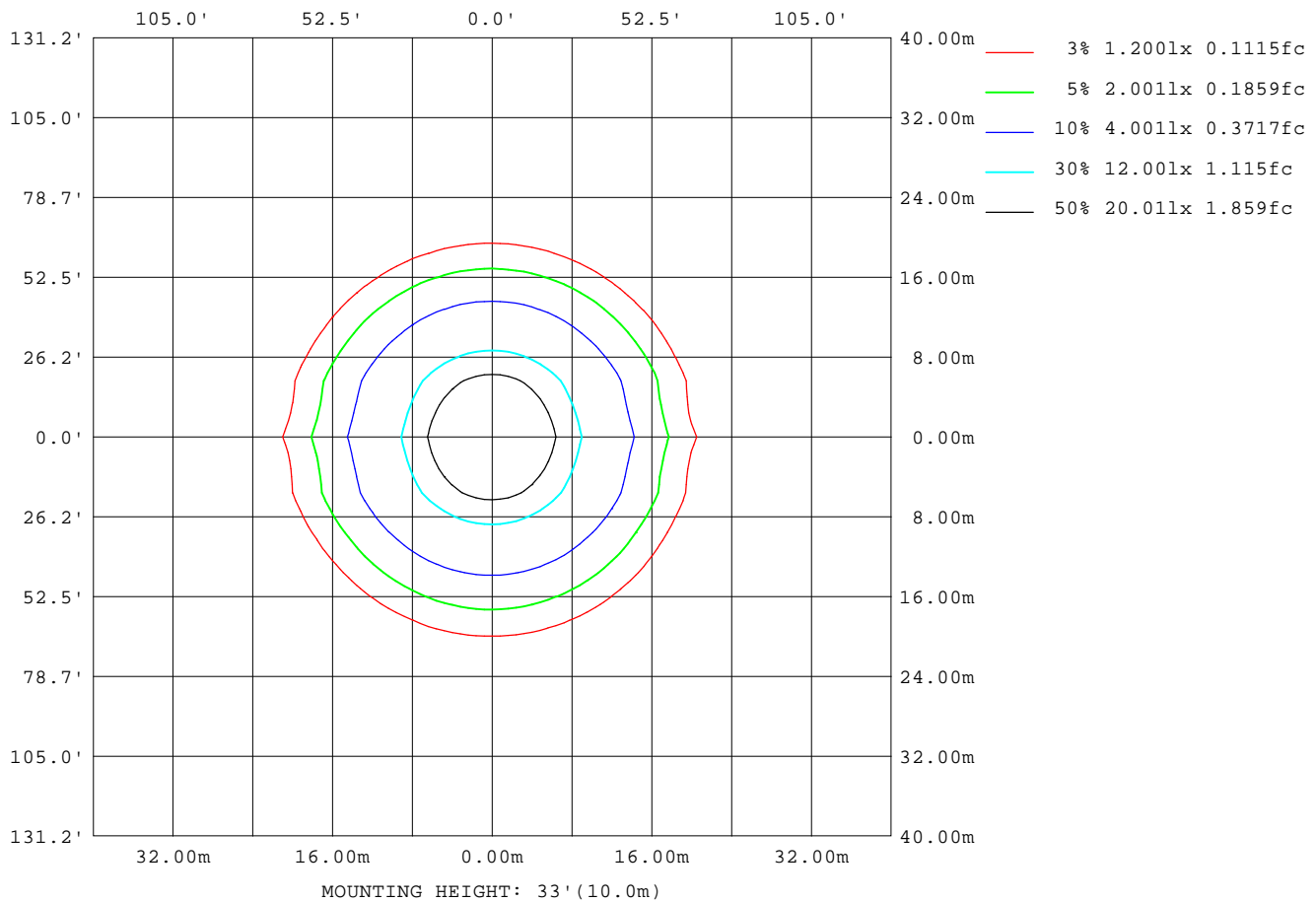
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessy
Test Date: 2024-10-15

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:120.04V I:0.5200A P:62.267W PF:0.9975 Freq:59.98Hz Lamp Flux:10529.2x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-15

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:120.04V I:0.5200A P:62.267W PF:0.9975 Freq:59.98Hz Lamp Flux:10529.2x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:60W/5000K	DIM.: 1450*10mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

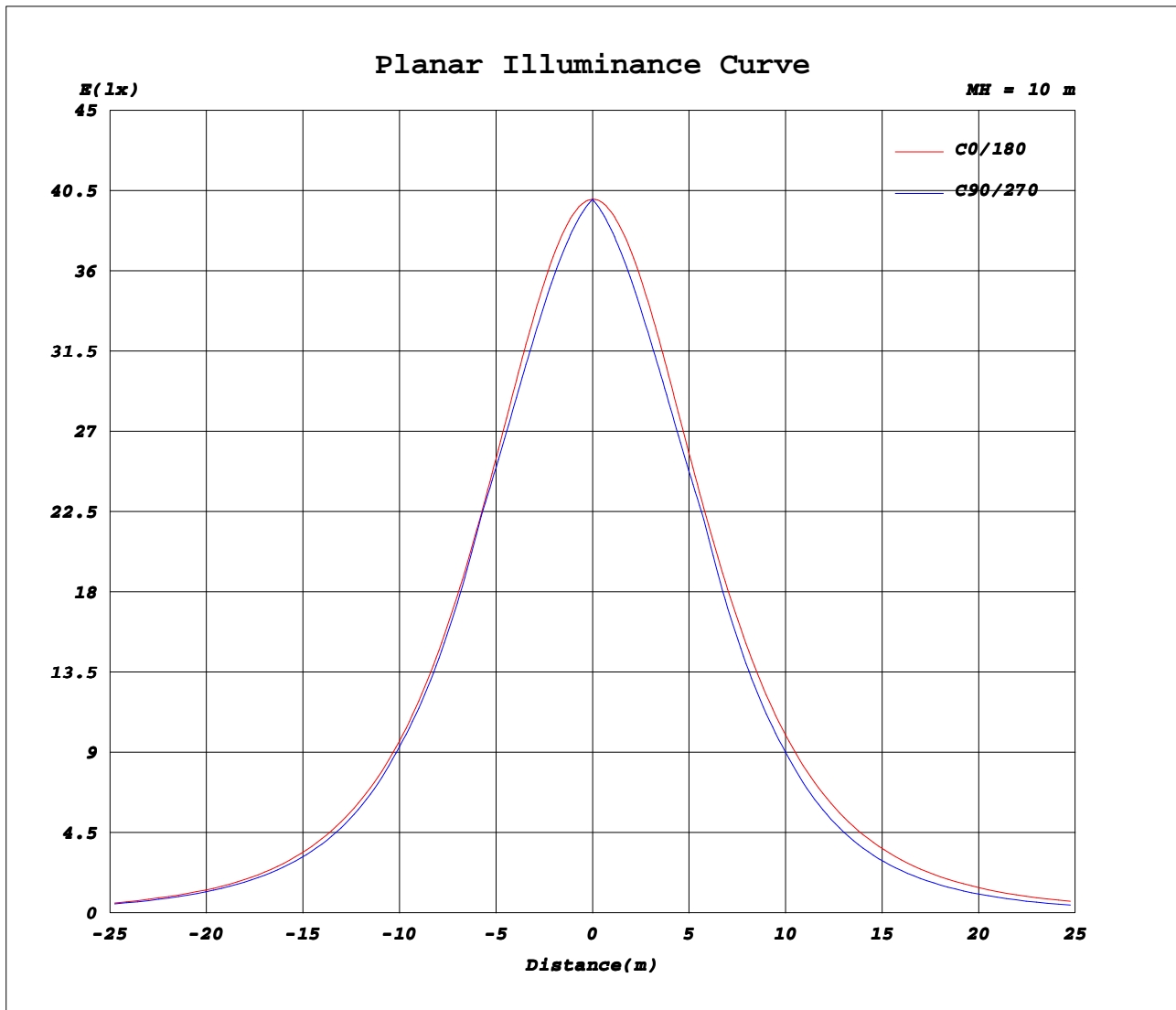
AvgL	cd/m2
L_0~180(65)av	138755
L_0~180(75)av	96863
L_0~180(85)av	21759
L_90~270(65)av	113229
L_90~270(75)av	64265
L_90~270(85)av	0
L_45(65)av	118298
L_45(75)av	78688
L_45(85)av	0

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:2024-10-15

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



$H(\beta)$ Range: -90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessy
Test Date: 2024-10-15

$V(B)$ 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	4001	4001	4001	4001	4001	4001	4001	4001	4001	4001
2.5	3995	3991	3988	3984	3980	3977	3974	3971	3968	3965
5.0	3981	3974	3967	3961	3955	3949	3943	3938	3933	3929
7.5	3961	3951	3942	3933	3924	3917	3909	3903	3897	3890
10.0	3931	3919	3909	3899	3890	3882	3873	3860	3849	3839
12.5	3896	3883	3870	3860	3850	3838	3821	3806	3794	3783
15.0	3855	3840	3826	3815	3803	3780	3760	3744	3730	3727
17.5	3805	3789	3777	3767	3740	3713	3692	3677	3678	3679
20.0	3747	3732	3720	3704	3669	3638	3618	3622	3626	3630
22.5	3684	3669	3658	3629	3589	3555	3558	3564	3573	3561
25.0	3613	3599	3590	3544	3498	3486	3496	3505	3488	3477
27.5	3530	3519	3512	3449	3401	3414	3429	3413	3397	3391
30.0	3440	3432	3411	3342	3316	3339	3335	3310	3303	3333
32.5	3343	3339	3303	3225	3229	3258	3222	3202	3238	3276
35.0	3239	3237	3183	3104	3137	3133	3099	3128	3175	3187
37.5	3123	3130	3054	3001	3041	3000	2997	3055	3080	3081
40.0	3001	3013	2914	2891	2911	2858	2915	2965	2960	2962
42.5	2871	2892	2764	2778	2761	2749	2835	2833	2833	2832
45.0	2730	2763	2600	2663	2600	2658	2702	2693	2698	2695
47.5	2582	2604	2455	2513	2445	2569	2550	2553	2564	2504
50.0	2428	2435	2317	2328	2334	2405	2392	2414	2357	2310
52.5	2266	2258	2177	2138	2227	2217	2245	2217	2146	2177
55.0	2096	2066	2032	1947	2079	2048	2081	1989	2007	2036
57.5	1913	1863	1870	1826	1877	1901	1838	1825	1864	1807
60.0	1720	1653	1650	1715	1685	1710	1623	1691	1629	1599
62.5	1528	1418	1422	1531	1535	1447	1487	1452	1421	1443
65.0	1336	1230	1205	1285	1336	1269	1281	1228	1273	1261
67.5	1126	1062	1091	1115	1038	1113	1035	1086	1068	1047
70.0	934.2	896.2	956.3	965.0	894.4	852.1	899.0	878.8	855.2	888.5
72.5	721.7	736.7	690.3	656.3	696.4	704.5	694.6	686.7	716.1	727.8
75.0	533.4	488.4	543.9	534.2	508.2	527.5	521.3	566.1	546.5	533.2
77.5	351.4	322.1	349.2	330.2	381.1	373.7	402.4	383.5	371.1	369.4
80.0	193.0	237.9	233.8	255.3	246.2	257.0	240.5	242.6	233.5	210.8
82.5	81.76	118.3	117.6	138.2	136.4	134.0	133.7	104.9	68.55	28.54
85.0	30.41	52.91	57.74	55.34	52.65	32.23	0	0	0	0
87.5	12.78	19.06	16.81	0	0	0	0	0	0	0
90.0	9.523	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	4001	4001	4001	4001	4001	4001	4001	4001	4001	4001
2.5	3963	3961	3959	3958	3956	3955	3954	3954	3954	3954
5.0	3925	3921	3918	3914	3912	3910	3908	3907	3906	3905
7.5	3882	3876	3871	3867	3864	3861	3860	3859	3859	3858
10.0	3831	3825	3818	3815	3812	3811	3810	3811	3811	3811
12.5	3775	3770	3768	3766	3765	3764	3764	3763	3763	3763
15.0	3726	3725	3723	3721	3720	3720	3719	3716	3715	3714
17.5	3680	3680	3677	3672	3669	3667	3667	3667	3667	3666
20.0	3627	3619	3615	3612	3611	3611	3612	3616	3619	3620
22.5	3552	3548	3548	3553	3559	3563	3566	3569	3570	3569
25.0	3471	3483	3496	3507	3514	3518	3521	3523	3521	3517
27.5	3412	3432	3450	3460	3463	3465	3467	3471	3473	3470
30.0	3360	3378	3383	3390	3399	3407	3413	3418	3424	3425
32.5	3289	3294	3303	3317	3311	3304	3297	3293	3294	3294
35.0	3192	3205	3199	3193	3187	3179	3171	3166	3163	3159
37.5	3085	3081	3074	3068	3055	3044	3036	3033	3033	3032
40.0	2958	2956	2935	2915	2903	2900	2898	2898	2902	2906
42.5	2831	2795	2771	2757	2759	2767	2770	2771	2772	2771
45.0	2650	2620	2619	2628	2635	2642	2643	2644	2641	2635
47.5	2464	2480	2493	2503	2491	2480	2472	2468	2466	2466
50.0	2332	2353	2342	2316	2299	2291	2289	2290	2291	2296
52.5	2203	2166	2139	2118	2115	2116	2118	2118	2117	2117
55.0	1988	1954	1950	1952	1951	1951	1950	1946	1943	1938
57.5	1774	1785	1791	1791	1779	1772	1770	1769	1768	1767
60.0	1617	1627	1612	1598	1590	1586	1587	1591	1593	1595
62.5	1446	1425	1411	1405	1405	1406	1407	1407	1407	1406
65.0	1233	1225	1231	1233	1231	1230	1227	1224	1222	1216
67.5	1049	1062	1065	1059	1049	1043	1039	1036	1036	1033
70.0	896.4	888.3	876.2	864.9	855.9	851.1	849.3	847.4	849.9	850.3
72.5	704.7	691.8	681.2	676.2	671.4	668.4	666.0	662.6	664.0	660.7
75.0	519.6	515.2	510.4	501.7	494.4	489.1	484.3	477.9	478.1	470.9
77.5	358.9	349.3	329.8	305.4	283.4	265.5	251.8	241.3	239.0	237.6
80.0	177.4	145.8	113.6	82.17	54.23	31.30	14.16	3.545	0	3.491
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:2024-10-15

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	4001	4001	4001	4001	4001	4001	4001	4001	4001	4001
2.5	3954	3955	3956	3958	3959	3961	3963	3966	3969	3972
5.0	3905	3906	3907	3908	3910	3913	3917	3922	3928	3933
7.5	3859	3860	3861	3863	3865	3867	3870	3873	3879	3887
10.0	3813	3816	3817	3819	3821	3825	3828	3831	3836	3841
12.5	3763	3765	3767	3769	3775	3779	3785	3788	3792	3797
15.0	3711	3713	3710	3713	3715	3721	3728	3737	3747	3751
17.5	3665	3664	3662	3658	3656	3658	3662	3671	3683	3699
20.0	3620	3618	3616	3613	3609	3604	3597	3597	3608	3624
22.5	3567	3565	3563	3563	3563	3555	3546	3535	3525	3541
25.0	3513	3506	3501	3497	3495	3496	3495	3481	3466	3449
27.5	3465	3456	3445	3430	3421	3417	3418	3423	3407	3383
30.0	3421	3413	3401	3384	3363	3339	3331	3332	3340	3318
32.5	3298	3305	3319	3339	3317	3289	3256	3234	3238	3251
35.0	3159	3163	3172	3188	3213	3240	3203	3159	3131	3139
37.5	3032	3032	3032	3036	3054	3085	3129	3103	3048	3017
40.0	2907	2909	2909	2910	2909	2918	2956	3011	2983	2907
42.5	2771	2773	2779	2787	2783	2782	2780	2825	2889	2835
45.0	2632	2628	2629	2633	2645	2657	2650	2640	2694	2766
47.5	2468	2469	2473	2471	2480	2496	2521	2508	2494	2571
50.0	2300	2303	2309	2309	2313	2316	2337	2376	2359	2353
52.5	2120	2125	2138	2146	2150	2149	2149	2179	2226	2191
55.0	1936	1939	1943	1951	1973	1989	1987	1982	2013	2053
57.5	1765	1765	1758	1751	1769	1790	1825	1821	1800	1850
60.0	1597	1599	1593	1586	1584	1580	1606	1644	1639	1625
62.5	1408	1414	1416	1420	1422	1416	1403	1410	1458	1461
65.0	1215	1221	1218	1223	1237	1251	1243	1217	1221	1286
67.5	1032	1038	1031	1031	1037	1047	1060	1059	1043	1038
70.0	851.7	858.1	858.8	861.0	863.1	859.1	851.6	865.5	880.7	868.3
72.5	663.7	672.4	676.1	685.9	696.5	699.0	691.2	684.4	686.6	703.6
75.0	474.9	484.1	485.7	497.0	509.3	521.7	533.1	540.9	534.1	513.7
77.5	246.2	261.4	274.8	295.1	317.1	334.4	350.9	372.1	394.0	393.7
80.0	13.84	30.80	52.59	79.21	109.0	138.6	168.8	196.9	226.0	241.1
82.5	0	0	0	0	0	0	0	26.64	65.30	90.86
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	4001	4001	4001	4001	4001	4001	4001	4001	4001	4001
2.5	3975	3979	3983	3987	3991	3995	4000	3995	3990	3986
5.0	3939	3946	3954	3962	3970	3979	3989	3978	3969	3959
7.5	3896	3906	3917	3929	3943	3956	3971	3955	3940	3926
10.0	3846	3859	3874	3891	3909	3929	3949	3927	3905	3885
12.5	3802	3808	3823	3843	3866	3891	3917	3889	3862	3837
15.0	3754	3759	3765	3787	3815	3846	3880	3844	3810	3779
17.5	3704	3706	3710	3722	3756	3794	3835	3791	3749	3712
20.0	3645	3649	3651	3654	3687	3731	3780	3727	3679	3643
22.5	3562	3589	3587	3586	3608	3661	3719	3657	3600	3573
25.0	3471	3500	3517	3513	3521	3583	3652	3578	3513	3500
27.5	3369	3401	3442	3435	3430	3495	3574	3491	3420	3421
30.0	3288	3293	3337	3353	3343	3401	3492	3394	3330	3336
32.5	3215	3177	3220	3265	3247	3297	3400	3290	3233	3243
35.0	3140	3087	3088	3159	3145	3184	3302	3177	3130	3136
37.5	3034	2999	2949	3026	3038	3061	3196	3053	3022	3002
40.0	2899	2913	2841	2884	2926	2928	3079	2918	2907	2857
42.5	2760	2787	2742	2730	2808	2787	2955	2776	2787	2699
45.0	2665	2634	2642	2565	2687	2633	2824	2622	2664	2532
47.5	2585	2473	2524	2420	2523	2490	2683	2478	2500	2387
50.0	2456	2372	2350	2301	2342	2339	2533	2329	2319	2266
52.5	2228	2286	2164	2182	2147	2186	2374	2174	2125	2147
55.0	2014	2126	2017	2053	1942	2028	2213	2013	1910	2015
57.5	1872	1875	1923	1850	1730	1862	2039	1847	1702	1806
60.0	1703	1669	1790	1625	1601	1696	1856	1680	1569	1581
62.5	1460	1530	1509	1482	1471	1533	1669	1512	1434	1424
65.0	1273	1303	1287	1388	1322	1325	1479	1311	1285	1321
67.5	1118	1058	1155	1177	1080	1091	1290	1067	1035	1107
70.0	865.9	928.1	885.1	875.0	855.3	828.9	1065	815.5	802.0	816.6
72.5	697.2	704.2	705.4	768.5	786.1	607.1	878.3	584.5	723.2	710.2
75.0	542.0	536.7	552.2	516.3	556.3	512.9	669.9	487.7	506.4	461.0
77.5	371.1	389.3	376.6	410.5	392.1	379.1	491.3	350.3	346.0	357.1

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

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-10-15

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	255.1	244.5	253.6	217.5	199.7	202.4	309.2	178.1	169.1	177.8
82.5	100.4	126.0	144.4	130.6	118.2	100.9	166.1	89.82	98.87	99.22
85.0	0	21.98	35.62	59.66	44.74	34.18	60.62	29.60	38.57	46.15
87.5	0	0	0	0	10.52	14.87	24.33	15.11	11.39	0
90.0	0	0	0	0	0	0	11.71	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	4001	4001	4001	4001	4001	4001	4001	4001	4001	4001
2.5	3981	3977	3973	3970	3966	3963	3960	3957	3955	3953
5.0	3951	3942	3935	3928	3921	3915	3910	3906	3903	3900
7.5	3913	3900	3889	3879	3870	3864	3860	3856	3853	3850
10.0	3867	3850	3836	3831	3825	3819	3813	3809	3805	3803
12.5	3814	3797	3789	3783	3777	3772	3768	3762	3754	3749
15.0	3754	3746	3739	3733	3727	3716	3706	3697	3692	3688
17.5	3697	3691	3686	3678	3660	3646	3634	3628	3626	3631
20.0	3636	3632	3623	3599	3580	3568	3567	3573	3579	3585
22.5	3570	3570	3539	3515	3495	3503	3515	3524	3532	3534
25.0	3499	3478	3444	3419	3434	3448	3463	3464	3463	3466
27.5	3424	3377	3343	3353	3374	3390	3383	3383	3387	3398
30.0	3316	3266	3258	3287	3306	3298	3296	3303	3328	3351
32.5	3193	3142	3184	3219	3204	3199	3220	3253	3280	3306
35.0	3059	3052	3107	3104	3094	3123	3165	3201	3171	3145
37.5	2918	2964	2995	2978	3007	3063	3087	3040	3005	2981
40.0	2807	2878	2860	2865	2939	2963	2906	2864	2852	2846
42.5	2706	2749	2718	2792	2844	2772	2722	2721	2719	2715
45.0	2604	2593	2622	2721	2641	2581	2583	2587	2573	2555
47.5	2483	2429	2541	2519	2434	2441	2449	2418	2397	2388
50.0	2304	2321	2408	2298	2292	2302	2257	2231	2223	2218
52.5	2117	2228	2171	2130	2153	2098	2062	2058	2054	2047
55.0	1967	2067	1947	1987	1938	1895	1896	1894	1871	1848
57.5	1866	1814	1800	1782	1723	1733	1730	1690	1663	1643
60.0	1730	1604	1626	1541	1567	1558	1514	1475	1473	1471
62.5	1453	1462	1391	1384	1388	1335	1310	1307	1305	1301
65.0	1220	1239	1202	1214	1159	1149	1150	1137	1116	1096
67.5	1090	991.2	1053	984.0	979.0	991.1	964.0	932.1	912.1	897.4
70.0	829.6	869.4	815.2	817.3	826.9	789.0	756.6	740.5	730.8	720.3
72.5	648.9	653.4	657.1	656.0	618.3	592.8	585.0	570.0	557.6	538.6
75.0	504.8	489.1	498.6	456.8	451.8	438.3	414.4	386.3	363.8	344.7
77.5	331.8	349.2	322.9	318.3	295.7	259.8	224.9	193.8	185.8	179.2
80.0	212.3	209.2	201.1	162.3	117.9	104.6	92.23	78.59	63.76	48.04
82.5	114.4	95.07	54.83	45.89	31.61	14.05	0	0	0	0
85.0	25.36	13.93	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	4001	4001	4001	4001	4001	4001	4001	4001	4001	4001
2.5	3951	3950	3949	3949	3949	3949	3950	3951	3952	3954
5.0	3898	3896	3896	3897	3898	3898	3900	3901	3903	3906
7.5	3848	3846	3845	3845	3844	3845	3847	3848	3851	3855
10.0	3800	3797	3795	3794	3792	3793	3794	3794	3796	3800
12.5	3745	3742	3741	3740	3739	3741	3742	3743	3745	3746
15.0	3686	3683	3685	3686	3687	3690	3692	3695	3696	3698
17.5	3634	3635	3637	3638	3638	3639	3640	3641	3643	3645
20.0	3588	3590	3590	3590	3590	3589	3586	3584	3584	3584
22.5	3535	3536	3537	3538	3540	3541	3539	3535	3531	3526
25.0	3471	3477	3481	3486	3490	3493	3493	3491	3486	3479
27.5	3414	3427	3434	3439	3442	3442	3439	3436	3434	3432
30.0	3368	3382	3390	3392	3394	3389	3383	3377	3370	3363
32.5	3283	3270	3259	3253	3253	3255	3260	3269	3280	3293
35.0	3127	3116	3112	3110	3112	3118	3125	3135	3147	3161
37.5	2976	2976	2975	2972	2973	2975	2981	2991	3006	3027
40.0	2843	2843	2840	2835	2834	2832	2834	2839	2849	2867
42.5	2704	2697	2694	2692	2693	2695	2697	2698	2697	2701
45.0	2544	2541	2545	2548	2553	2558	2563	2564	2565	2564
47.5	2379	2374	2372	2369	2370	2373	2381	2393	2411	2430
50.0	2206	2200	2195	2189	2188	2185	2188	2197	2211	2234
52.5	2026	2013	2006	2002	2003	2004	2007	2013	2018	2029
55.0	1829	1816	1815	1815	1819	1823	1828	1836	1844	1852
57.5	1639	1633	1635	1635	1637	1636	1639	1649	1662	1679
60.0	1463	1458	1457	1455	1454	1447	1449	1454	1463	1478
62.5	1281	1269	1266	1263	1265	1263	1265	1269	1273	1276
65.0	1083	1072	1072	1070	1075	1078	1083	1089	1099	1104
67.5	893.5	886.7	885.8	884.3	887.0	888.6	892.3	900.9	915.1	928.9
70.0	713.9	705.6	701.5	698.7	698.9	699.1	700.9	709.8	721.1	734.2

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-10-15

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	526.0	516.9	511.1	508.4	509.6	512.4	516.2	524.3	536.4	545.9
75.0	331.6	325.8	320.1	318.0	320.3	325.8	332.1	340.8	358.9	369.7
77.5	172.4	168.5	162.9	159.8	160.2	163.8	169.6	178.5	194.1	205.2
80.0	32.91	19.85	9.155	2.349	0	2.407	9.529	21.06	37.05	55.05
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	4001	4001	4001	4001	4001	4001	4001	4001	4001	4001
2.5	3956	3957	3960	3962	3965	3968	3971	3975	3979	3983
5.0	3910	3914	3918	3923	3928	3933	3939	3945	3952	3959
7.5	3860	3866	3872	3881	3889	3896	3903	3911	3920	3929
10.0	3804	3810	3818	3827	3837	3850	3864	3874	3884	3894
12.5	3748	3752	3757	3768	3779	3793	3810	3829	3842	3853
15.0	3700	3702	3705	3707	3712	3727	3746	3768	3794	3808
17.5	3650	3653	3655	3655	3656	3658	3675	3700	3729	3758
20.0	3587	3592	3599	3603	3602	3601	3601	3624	3657	3695
22.5	3520	3521	3526	3534	3545	3541	3538	3538	3574	3618
25.0	3469	3458	3446	3452	3464	3481	3472	3466	3482	3532
27.5	3423	3408	3389	3368	3372	3388	3403	3393	3384	3436
30.0	3358	3356	3337	3310	3280	3287	3310	3317	3300	3329
32.5	3282	3273	3268	3254	3218	3180	3200	3234	3211	3211
35.0	3174	3187	3174	3169	3156	3110	3079	3112	3117	3088
37.5	3041	3055	3068	3065	3064	3040	2977	2978	3018	2985
40.0	2894	2923	2933	2948	2947	2950	2896	2839	2889	2874
42.5	2724	2754	2797	2809	2818	2817	2818	2731	2741	2762
45.0	2564	2571	2609	2665	2676	2678	2687	2641	2585	2648
47.5	2429	2422	2418	2467	2535	2534	2535	2552	2436	2500
50.0	2269	2286	2277	2268	2325	2390	2379	2398	2329	2317
52.5	2056	2091	2141	2128	2106	2187	2229	2221	2224	2124
55.0	1858	1874	1921	1981	1962	1959	2065	2050	2078	1939
57.5	1688	1695	1701	1746	1812	1791	1822	1898	1881	1822
60.0	1501	1529	1534	1528	1574	1652	1607	1704	1684	1708
62.5	1294	1319	1355	1365	1362	1414	1466	1434	1526	1524
65.0	1110	1114	1134	1173	1204	1189	1259	1253	1323	1313
67.5	941.8	948.2	946.6	954.6	1006	1042	1002	1103	1046	1132
70.0	753.0	772.6	789.3	792.9	796.3	833.5	868.5	836.7	896.3	974.7
72.5	558.7	577.2	601.8	631.8	650.7	639.1	665.0	689.5	691.4	668.3
75.0	384.4	397.9	416.7	442.7	476.2	509.0	487.4	508.6	505.3	542.5
77.5	218.5	230.4	254.8	277.7	295.8	323.8	359.1	348.9	372.8	328.0
80.0	75.34	94.66	116.0	133.1	150.5	174.4	193.5	228.3	229.3	239.3
82.5	0	0	0	18.00	42.32	61.66	75.68	99.18	119.5	115.7
85.0	0	0	0	0	0	0	0	18.65	35.03	43.23
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	4001	4001								
2.5	3987	3991								
5.0	3966	3973								
7.5	3939	3950								
10.0	3905	3918								
12.5	3866	3881								
15.0	3822	3837								
17.5	3771	3787								
20.0	3714	3729								
22.5	3651	3665								
25.0	3582	3595								
27.5	3504	3515								
30.0	3403	3428								
32.5	3293	3334								
35.0	3172	3231								
37.5	3044	3124								
40.0	2903	3007								
42.5	2754	2886								
45.0	2591	2758								
47.5	2446	2599								
50.0	2305	2429								
52.5	2161	2250								
55.0	2016	2060								
57.5	1858	1855								
60.0	1639	1647								
62.5	1420	1407								

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-10-15

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	1201	1221
67.5	1088	1053
70.0	954.5	882.2
72.5	706.0	715.5
75.0	561.8	481.1
77.5	363.4	324.9
80.0	246.5	244.7
82.5	110.3	120.6
85.0	45.42	54.15
87.5	15.55	19.27
90.0	0	0

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-15

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: