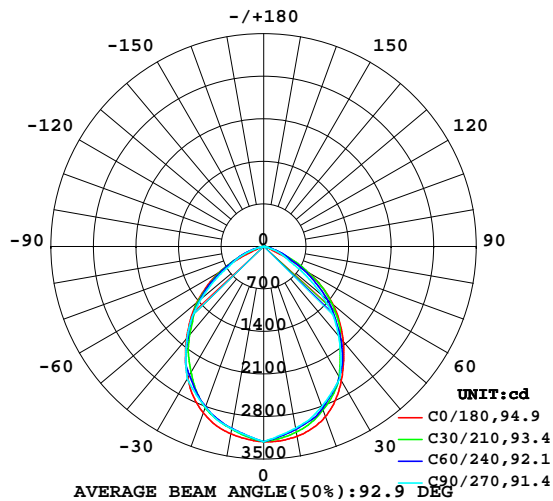


LUMINAIRE PHOTOMETRIC TEST REPORT

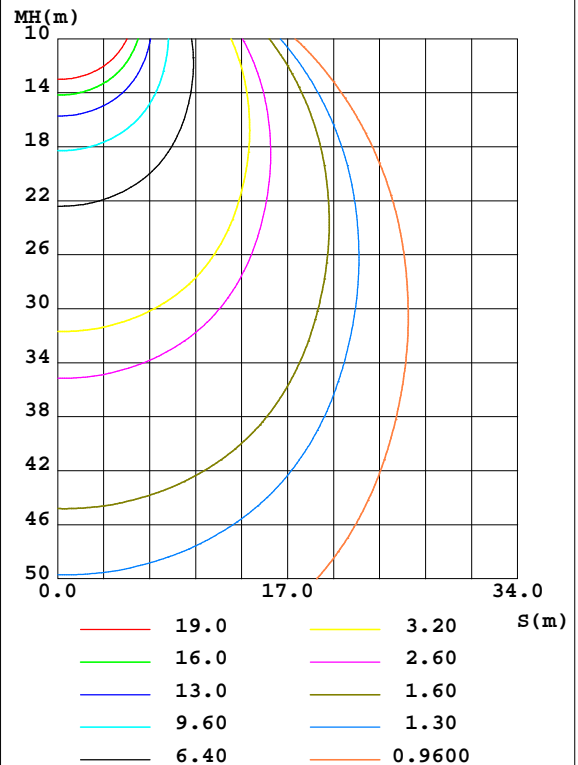
Test:U:120.21V I:0.3485A P:41.809W PF:0.9981 Freq:59.98Hz Lamp Flux:6578.34x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K/90°	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 157.34 lm/W			
MODEL	GHLV-07-U	Imax(cd)	3214	S/MH(C0/180)	1.17
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	6578.3	η UP,DN(C0-180)	0.0,49.5
NOMINAL FLUX(lm)	6578.34	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	1.30

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:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [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	3172	3074	3036	3031	3129	3041	3045	3077	0- 10	298.0	298.0	4.53,4.53
20	2978	2874	2802	2786	2911	2813	2814	2875	10- 20	837.6	1136	17.3,17.3
30	2556	2466	2509	2405	2502	2419	2518	2475	20- 30	1226	2361	35.9,35.9
40	2037	2010	1920	1968	1974	1969	1960	2015	30- 40	1384	3746	56.9,56.9
50	1494	1394	1253	1362	1437	1389	1342	1415	40- 50	1288	5033	76.5,76.5
60	824.2	754.3	509.2	736.9	836.1	786.1	665.3	796.4	50- 60	959.5	5993	91.1,91.1
70	104.0	191.6	214.8	184.2	109.7	246.4	278.5	241.6	60- 70	461.4	6454	98.1,98.1
80	36.60	39.88	0	37.74	40.29	45.60	0	48.75	70- 80	115.7	6570	99.9,99.9
90	0.8969	0	0	0	0.9383	0	0	0	80- 90	8.552	6578	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): 4415.7 lm

%lum = 67.1%

%lamp = 67.1%

Conical surface Flux(120deg): 5992.7 lm

%lum = 91.1%

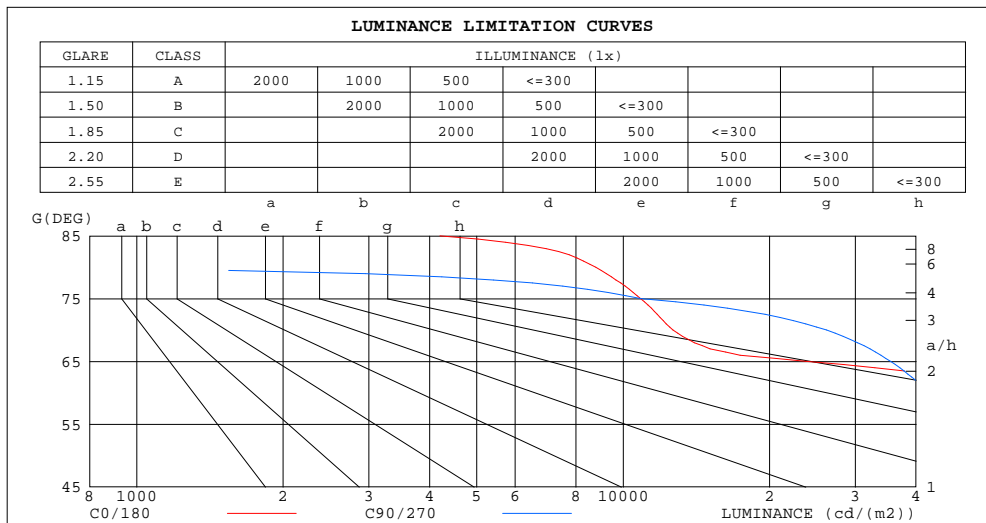
%lamp = 91.1%

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.21V I:0.3485A P:41.809W PF:0.9981 Freq:59.98Hz Lamp Flux:6578.34x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K/90°	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m ²)		
G(°)	C0/180	C90/270
85	4203	0
80	8781	0
75	10866	10882
70	12664	26171
65	23786	35459
60	68686	42436
55	86176	63833
50	96843	81245
45	104365	95740

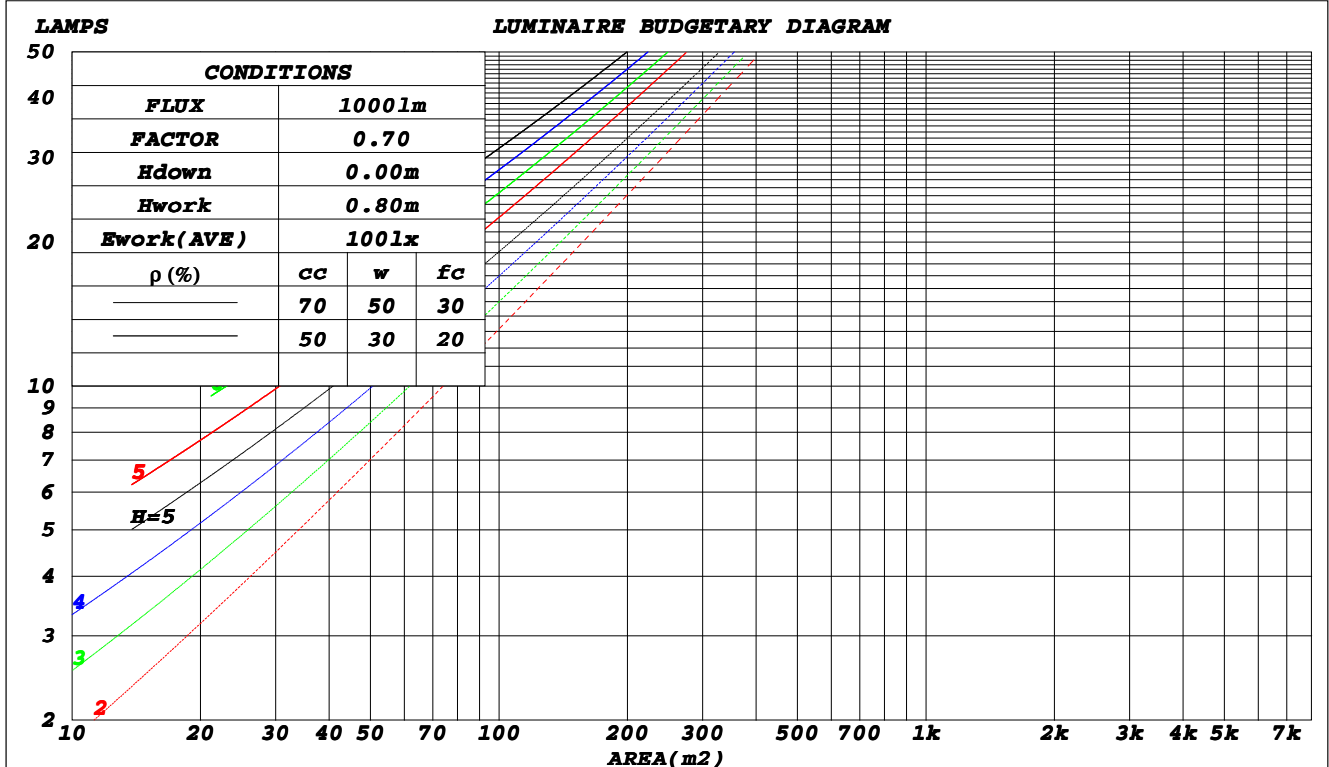
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.21V I:0.3485A P:41.809W PF:0.9981 Freq:59.98Hz Lamp Flux:6578.34x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K/90°	DIM.: 520*90mm	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	1.07	1.04	1.01	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.96	.90	.85	.94	.89	.84	.90	.86	.82	.87	.84	.80	.84	.81	.79	.77
3.0	.86	.79	.73	.84	.78	.72	.81	.76	.71	.79	.74	.70	.76	.72	.69	.67
4.0	.77	.69	.63	.76	.68	.63	.73	.67	.62	.71	.66	.61	.69	.64	.60	.58
5.0	.69	.61	.55	.68	.61	.55	.66	.60	.55	.64	.59	.54	.63	.58	.53	.52
6.0	.63	.55	.49	.62	.54	.49	.60	.54	.48	.59	.53	.48	.57	.52	.48	.46
7.0	.57	.49	.44	.57	.49	.44	.55	.48	.43	.54	.48	.43	.53	.47	.43	.41
8.0	.53	.45	.39	.52	.45	.39	.51	.44	.39	.50	.43	.39	.48	.43	.39	.37
9.0	.49	.41	.36	.48	.41	.36	.47	.40	.36	.46	.40	.35	.45	.39	.35	.33
10.0	.45	.38	.33	.44	.37	.33	.44	.37	.32	.43	.37	.32	.42	.36	.32	.31



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.21V I:0.3485A P:41.809W PF:0.9981 Freq:59.98Hz Lamp Flux:6578.34x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K/90°	DIM.: 520*90mm	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	.246	.140	.044	.239	.137	.043	.227	.130	.042	.215	.124	.040	.204	.118	.038		
2.0	.242	.132	.041	.236	.130	.040	.224	.125	.039	.214	.120	.038	.204	.116	.036		
3.0	.230	.123	.037	.225	.121	.036	.215	.117	.035	.206	.113	.035	.198	.109	.034		
4.0	.217	.113	.033	.213	.111	.033	.204	.108	.032	.196	.105	.032	.189	.102	.031		
5.0	.205	.104	.030	.201	.103	.030	.193	.100	.030	.186	.098	.029	.179	.096	.029		
6.0	.193	.097	.028	.189	.095	.027	.182	.093	.027	.176	.091	.027	.170	.089	.027		
7.0	.181	.090	.025	.178	.089	.025	.172	.087	.025	.166	.085	.025	.161	.084	.025		
8.0	.171	.084	.024	.168	.083	.023	.163	.081	.023	.157	.080	.023	.153	.078	.023		
9.0	.162	.078	.022	.159	.077	.022	.154	.076	.022	.149	.075	.021	.145	.074	.021		
10.0	.153	.073	.020	.151	.073	.020	.146	.072	.020	.142	.070	.020	.138	.069	.020		

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	.176	.157	.139	.151	.134	.120	.103	.093	.083	.059	.054	.048	.019	.017	.016	
2.0	.166	.132	.104	.142	.114	.090	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.157	.114	.080	.134	.098	.069	.092	.068	.049	.053	.040	.029	.017	.013	.009	
4.0	.149	.100	.063	.128	.087	.055	.088	.060	.039	.051	.035	.023	.016	.012	.007	
5.0	.142	.090	.051	.122	.077	.044	.084	.054	.031	.049	.032	.019	.016	.010	.006	
6.0	.135	.081	.042	.116	.070	.037	.080	.049	.026	.046	.029	.015	.015	.009	.005	
7.0	.129	.074	.036	.111	.064	.031	.077	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.123	.068	.031	.106	.059	.027	.073	.042	.019	.043	.024	.011	.014	.008	.004	
9.0	.117	.063	.027	.101	.055	.023	.070	.039	.017	.041	.023	.010	.013	.007	.003	
10.0	.112	.059	.024	.097	.051	.021	.067	.036	.015	.039	.021	.009	.013	.007	.003	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.21V I:0.3485A P:41.809W PF:0.9981 Freq:59.98Hz Lamp Flux:6578.34x1 lm										
NAME: LED Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:40W/5000K/90°					DIM.: 520*90mm			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	21.4	22.7	21.6	22.9	23.1	20.6	22.0	20.9	22.2	22.4
3H	21.4	22.6	21.7	22.9	23.1	21.0	22.3	21.3	22.5	22.7
4H	21.3	22.5	21.6	22.7	23.0	21.0	22.2	21.3	22.4	22.7
6H	21.3	22.3	21.6	22.6	22.9	20.9	22.0	21.2	22.3	22.5
8H	21.2	22.3	21.5	22.5	22.8	20.9	21.9	21.2	22.2	22.5
12H	21.2	22.2	21.5	22.5	22.8	20.8	21.8	21.2	22.1	22.4
4H 2H	21.5	22.7	21.9	23.0	23.2	20.9	22.1	21.2	22.3	22.6
3H	21.7	22.7	22.0	22.9	23.2	21.4	22.4	21.8	22.7	23.0
4H	21.6	22.5	22.0	22.8	23.2	21.4	22.4	21.8	22.7	23.0
6H	21.6	22.4	22.0	22.7	23.1	21.4	22.2	21.8	22.5	22.9
8H	21.5	22.3	21.9	22.6	23.0	21.3	22.1	21.7	22.4	22.8
12H	21.5	22.2	21.9	22.6	23.0	21.3	22.0	21.7	22.3	22.7
8H 4H	21.6	22.3	22.0	22.7	23.0	21.4	22.1	21.8	22.5	22.9
6H	21.5	22.1	22.0	22.5	23.0	21.3	21.9	21.7	22.3	22.7
8H	21.5	22.1	22.0	22.5	22.9	21.3	21.8	21.7	22.2	22.7
12H	21.5	22.0	22.0	22.4	22.9	21.2	21.7	21.7	22.1	22.6
12H 4H	21.5	22.2	21.9	22.6	23.0	21.3	22.0	21.8	22.4	22.8
6H	21.5	22.0	22.0	22.5	22.9	21.3	21.8	21.7	22.2	22.7
8H	21.5	21.9	22.0	22.4	22.9	21.2	21.7	21.7	22.1	22.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.7 / - 0.7					+ 0.7 / - 1.0				
1.5H	+ 0.6 / - 0.9					+ 0.4 / - 0.6				
2.0H	+ 0.9 / - 1.1					+ 1.3 / - 3.2				

CIE Pub.117, 6578 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 6.5$)
Area: 0.024 m²

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.21V I:0.3485A P:41.809W PF:0.9981 Freq:59.98Hz Lamp Flux:6578.34x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K/90°	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

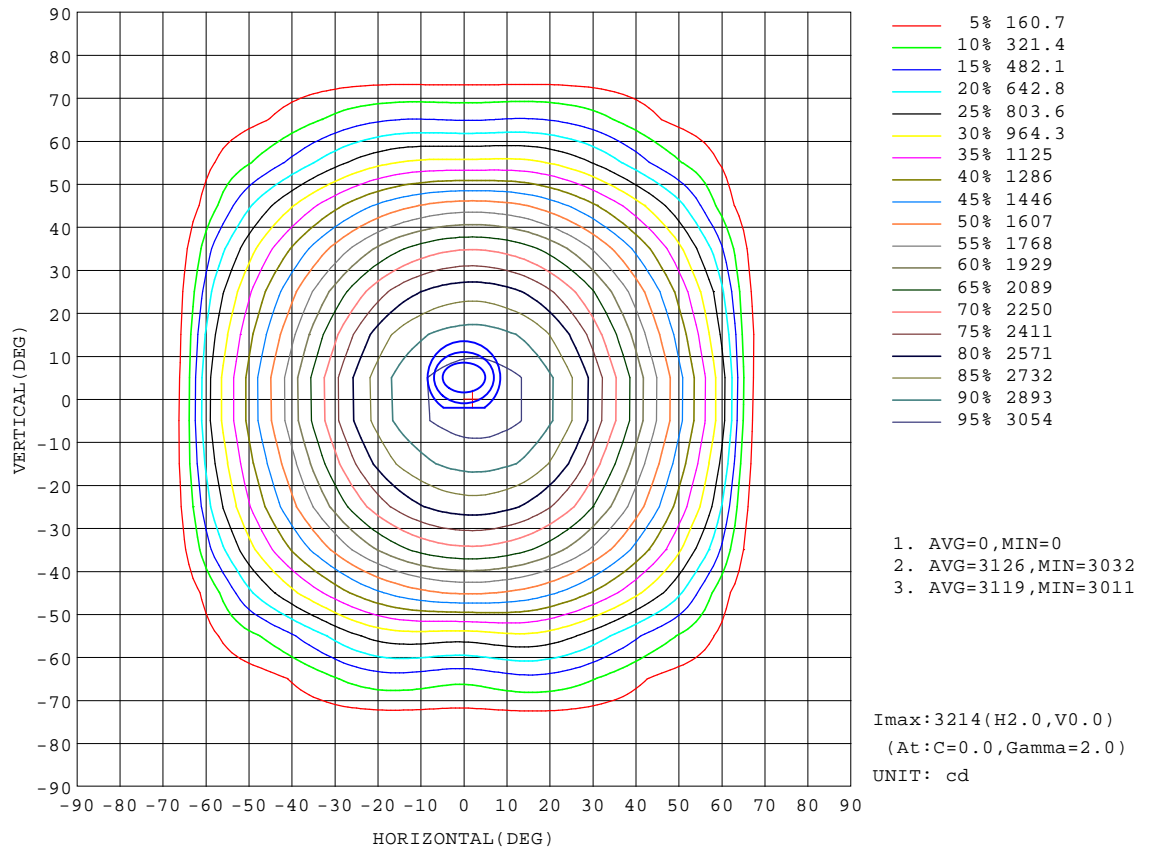
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	64	54	47	63	53	47	62	53	47	41
0.80	75	64	58	74	64	58	72	63	57	51
1.00	83	74	67	82	73	67	80	74	67	60
1.25	90	81	75	88	80	75	86	79	74	68
1.50	94	86	81	93	85	80	90	84	79	72
2.00	100	93	88	99	92	87	95	90	86	79
2.50	103	97	92	101	96	91	98	93	89	82
3.00	106	101	96	104	99	95	100	96	93	85
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	102	105	102	99	91
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.21V I:0.3485A P:41.809W PF:0.9981 Freq:59.98Hz Lamp Flux:6578.34x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K/90°	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



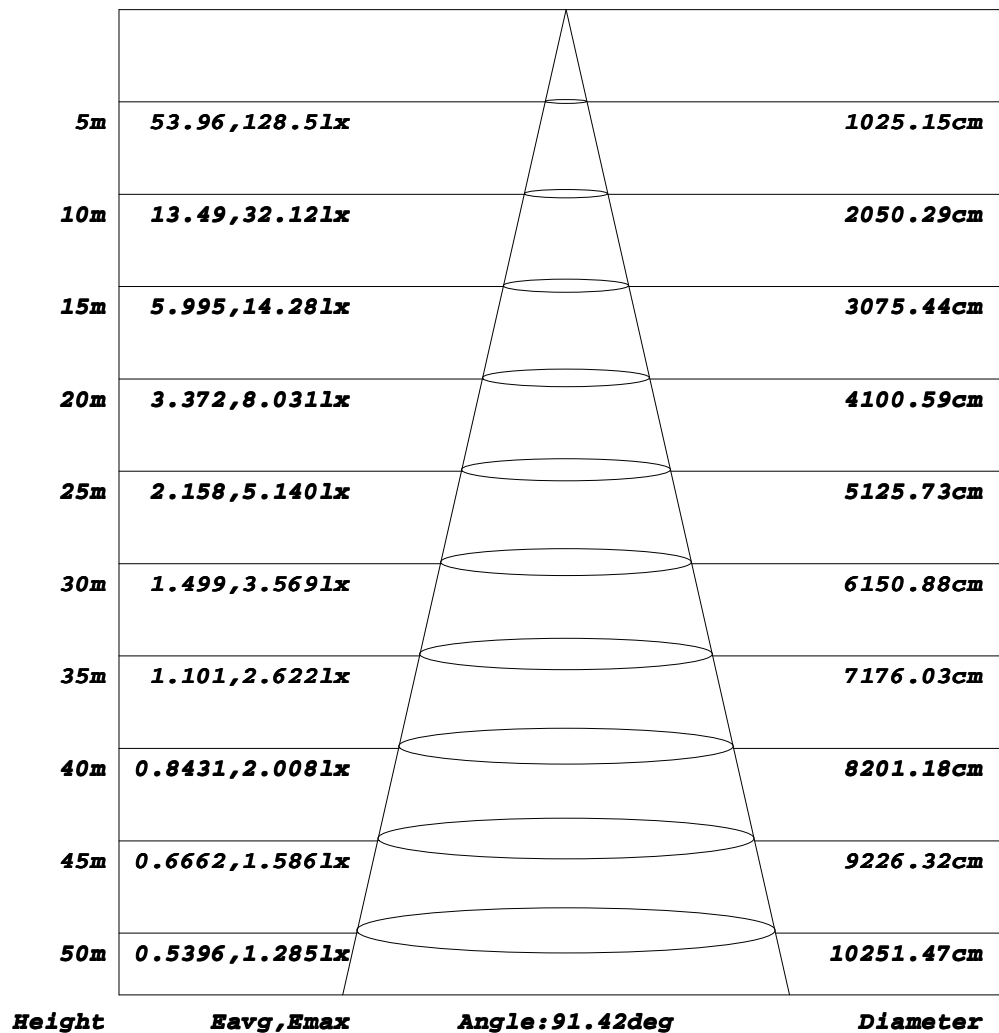
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.21V I:0.3485A P:41.809W PF:0.9981 Freq:59.98Hz Lamp Flux:6578.34x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K/90°	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:4544 lm



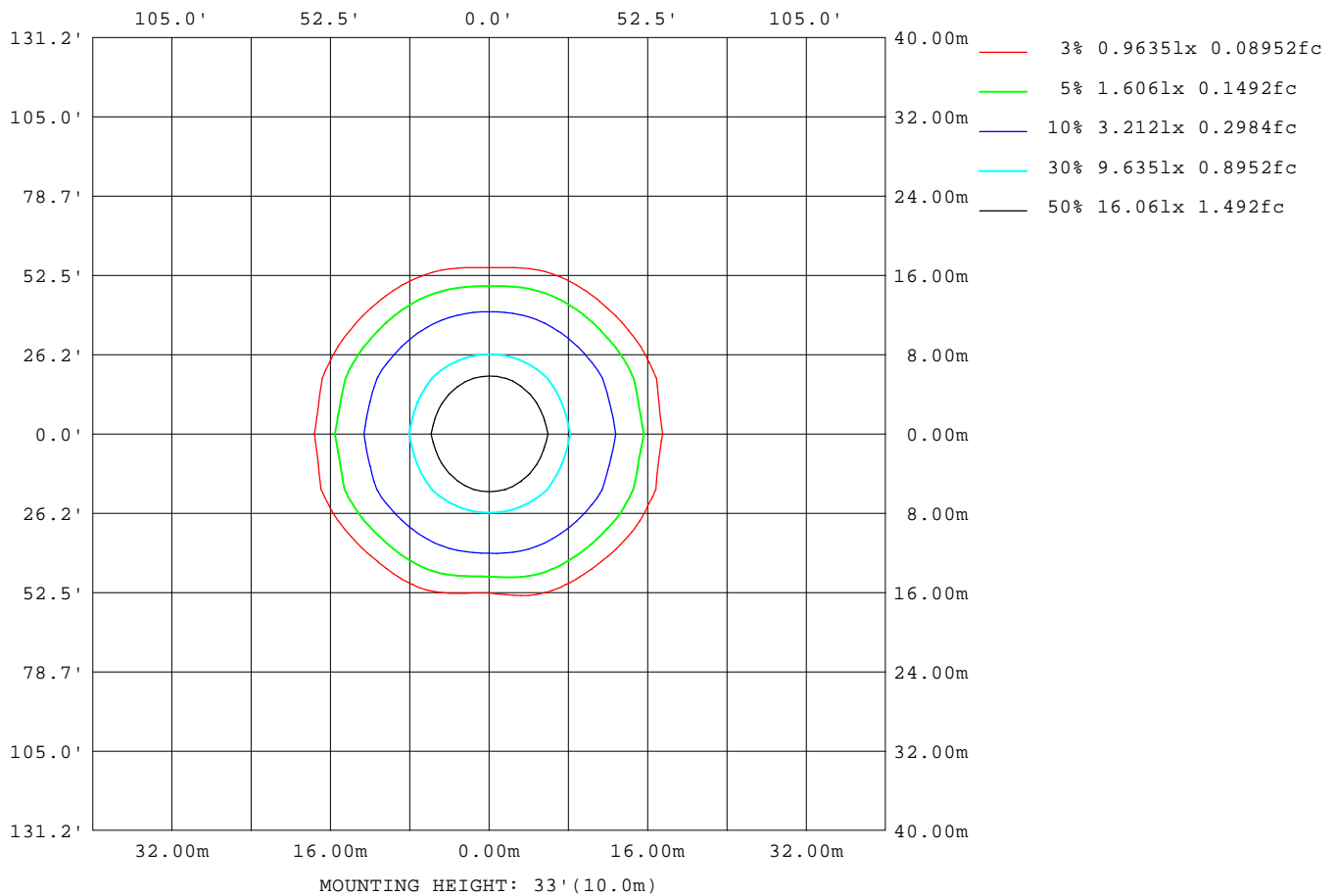
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessy
Test Date: 2024-12-03

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65%
Test Distance: 6.998m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.21V I:0.3485A P:41.809W PF:0.9981 Freq:59.98Hz Lamp Flux:6578.34x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K/90°	DIM.: 520*90mm	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:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.21V I:0.3485A P:41.809W PF:0.9981 Freq:59.98Hz Lamp Flux:6578.34x1 lm		
NAME: LED Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:40W/5000K/90°	DIM.: 520*90mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

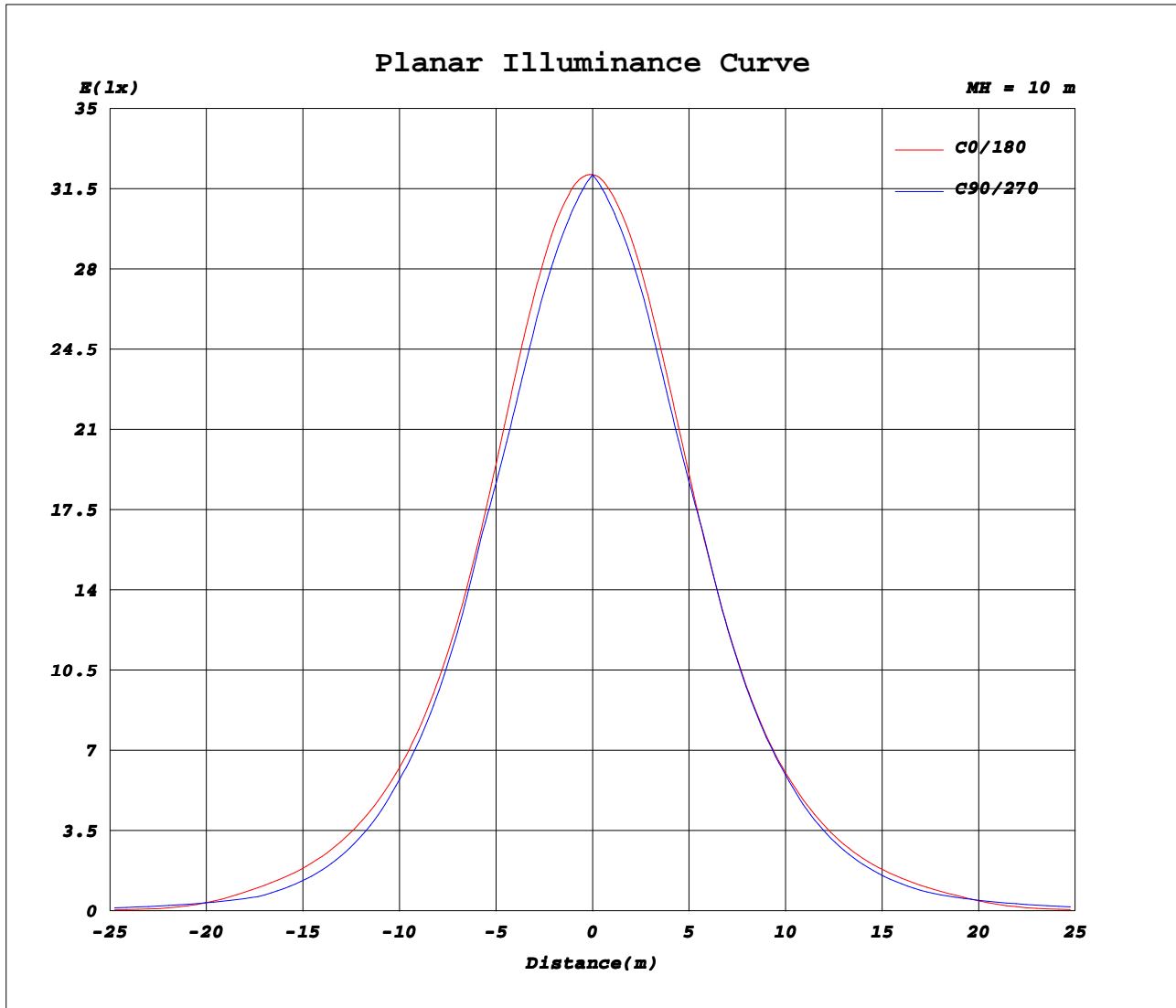
AvgL	cd/m2
L_0~180(65)av	27498
L_0~180(75)av	11156
L_0~180(85)av	5660
L_90~270(65)av	40992
L_90~270(75)av	12284
L_90~270(85)av	0
L_45(65)av	43746
L_45(75)av	19431
L_45(85)av	0

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:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [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:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [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	3212	3212	3212	3212	3212	3212	3212	3212	3212	3212
2.5	3214	3210	3206	3203	3199	3195	3192	3189	3186	3183
5.0	3211	3203	3196	3188	3181	3175	3168	3162	3157	3151
7.5	3192	3182	3172	3163	3154	3146	3138	3131	3124	3117
10.0	3172	3158	3145	3133	3122	3111	3102	3091	3082	3074
12.5	3141	3125	3110	3097	3085	3073	3059	3046	3035	3026
15.0	3098	3080	3064	3050	3038	3020	3005	2993	2982	2977
17.5	3045	3025	3008	2994	2973	2953	2937	2928	2928	2928
20.0	2978	2956	2939	2921	2894	2873	2860	2864	2869	2874
22.5	2893	2871	2855	2830	2800	2778	2783	2792	2802	2785
25.0	2793	2771	2758	2722	2689	2683	2697	2713	2692	2676
27.5	2680	2659	2646	2599	2567	2583	2603	2589	2572	2563
30.0	2556	2537	2517	2467	2453	2475	2478	2459	2450	2466
32.5	2427	2410	2381	2329	2335	2362	2338	2324	2349	2369
35.0	2297	2282	2243	2195	2218	2218	2197	2217	2249	2259
37.5	2168	2155	2106	2075	2103	2077	2075	2112	2133	2139
40.0	2037	2028	1969	1956	1969	1938	1968	2000	2006	2010
42.5	1904	1898	1828	1836	1827	1819	1865	1872	1876	1868
45.0	1771	1769	1688	1719	1683	1710	1739	1744	1734	1725
47.5	1636	1630	1559	1585	1549	1604	1605	1602	1595	1558
50.0	1494	1484	1429	1434	1434	1470	1467	1462	1426	1394
52.5	1343	1328	1294	1276	1317	1325	1325	1297	1256	1258
55.0	1186	1165	1157	1115	1179	1174	1177	1124	1120	1120
57.5	1015	991.4	1008	987.2	1016	1027	995.9	979.3	982.9	933.2
60.0	824.2	795.0	820.4	857.9	858.9	858.3	826.0	848.3	791.7	754.3
62.5	530.6	516.3	582.0	676.0	701.0	658.2	689.2	663.8	614.7	597.3
65.0	241.3	250.4	306.3	421.6	513.9	494.5	522.3	490.6	462.1	427.7
67.5	133.6	141.2	175.6	242.8	290.5	347.2	354.2	352.0	298.2	248.8
70.0	104.0	107.8	118.3	151.4	172.5	208.9	247.7	209.4	152.5	191.6
72.5	84.83	88.77	85.04	90.75	108.3	141.2	145.7	111.2	125.9	151.4
75.0	67.50	67.87	69.34	74.15	78.10	93.19	86.39	91.69	96.55	106.2
77.5	51.38	51.06	52.45	54.00	61.03	64.58	68.49	68.11	68.91	71.49
80.0	36.60	39.21	40.43	42.29	44.63	47.94	48.02	48.41	46.89	39.88
82.5	23.09	26.13	26.83	28.63	30.20	31.52	31.20	22.85	14.03	5.411
85.0	8.791	16.02	17.10	17.69	17.12	8.696	0	0	0	0
87.5	1.319	6.820	8.535	0	0	0	0	0	0	0
90.0	0.8969	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	3212	3212	3212	3212	3212	3212	3212	3212	3212	3212
2.5	3180	3177	3175	3173	3171	3170	3168	3167	3166	3166
5.0	3146	3142	3138	3134	3131	3128	3125	3123	3121	3119
7.5	3110	3104	3098	3094	3090	3086	3083	3081	3079	3077
10.0	3067	3061	3056	3051	3047	3043	3040	3038	3036	3034
12.5	3018	3012	3009	3007	3004	3000	2997	2994	2991	2986
15.0	2973	2968	2965	2962	2961	2958	2953	2950	2945	2939
17.5	2926	2923	2916	2904	2895	2889	2883	2878	2873	2868
20.0	2866	2849	2834	2823	2816	2811	2808	2805	2802	2797
22.5	2770	2758	2748	2742	2738	2737	2735	2732	2727	2722
25.0	2665	2666	2666	2665	2663	2663	2662	2659	2653	2646
27.5	2571	2579	2584	2585	2583	2584	2585	2585	2581	2575
30.0	2480	2489	2490	2492	2495	2500	2506	2510	2509	2504
32.5	2377	2380	2386	2395	2385	2377	2371	2366	2361	2358
35.0	2261	2268	2262	2253	2243	2234	2226	2220	2213	2209
37.5	2141	2129	2121	2112	2098	2085	2077	2071	2066	2064
40.0	2000	1989	1973	1957	1944	1932	1925	1922	1920	1919
42.5	1861	1834	1814	1800	1793	1785	1779	1776	1772	1770
45.0	1696	1673	1662	1658	1652	1642	1635	1630	1625	1621
47.5	1531	1529	1525	1520	1505	1484	1465	1449	1439	1439
50.0	1393	1393	1377	1358	1340	1317	1291	1268	1253	1256
52.5	1260	1229	1209	1192	1179	1154	1118	1085	1066	1073
55.0	1081	1054	1047	1040	1025	992.9	947.0	903.0	878.7	889.2
57.5	901.9	897.4	896.1	890.1	870.9	834.1	780.8	726.9	694.0	704.2
60.0	745.9	745.2	737.0	727.8	712.0	676.3	616.3	551.6	509.2	519.4
62.5	583.7	571.8	568.4	568.0	578.0	559.9	515.3	465.8	434.4	443.2
65.0	404.4	408.9	453.5	478.2	484.0	465.0	424.7	382.9	359.7	371.1
67.5	290.8	338.6	373.6	389.1	388.4	371.3	339.0	306.4	287.2	294.9
70.0	237.2	267.6	286.6	293.7	290.8	277.4	253.5	229.8	214.8	218.3
72.5	174.7	190.6	199.3	201.3	195.0	182.3	164.4	149.6	141.2	143.4
75.0	116.9	122.9	121.9	113.8	100.9	86.72	74.46	68.91	67.60	68.36
77.5	70.26	61.47	55.23	50.24	44.78	39.82	35.79	34.19	33.80	33.97
80.0	32.03	25.04	19.03	13.52	8.583	4.701	2.012	0.5024	0	0.4992
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:2024-12-03

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.998m [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	3212	3212	3212	3212	3212	3212	3212	3212	3212	3212
2.5	3166	3166	3166	3167	3168	3169	3171	3173	3175	3178
5.0	3119	3118	3118	3119	3120	3121	3124	3127	3130	3135
7.5	3075	3074	3073	3073	3073	3073	3075	3077	3081	3087
10.0	3032	3030	3029	3028	3027	3028	3029	3031	3034	3038
12.5	2983	2981	2979	2978	2978	2980	2981	2982	2985	2988
15.0	2934	2929	2925	2922	2921	2920	2922	2927	2932	2934
17.5	2865	2862	2860	2858	2858	2857	2857	2859	2865	2873
20.0	2794	2791	2788	2785	2784	2783	2784	2786	2789	2794
22.5	2718	2713	2710	2709	2709	2706	2704	2703	2702	2704
25.0	2639	2633	2626	2621	2619	2620	2621	2615	2608	2602
27.5	2568	2558	2546	2533	2523	2519	2518	2522	2511	2498
30.0	2498	2487	2473	2457	2437	2416	2406	2405	2408	2393
32.5	2359	2362	2370	2381	2356	2330	2303	2283	2281	2286
35.0	2207	2208	2213	2221	2232	2244	2212	2177	2152	2152
37.5	2062	2061	2061	2061	2070	2086	2107	2083	2041	2018
40.0	1919	1919	1920	1919	1918	1922	1941	1968	1944	1896
42.5	1769	1771	1776	1780	1780	1778	1775	1798	1833	1797
45.0	1618	1618	1622	1628	1637	1643	1638	1633	1662	1703
47.5	1447	1457	1467	1473	1481	1492	1504	1496	1494	1539
50.0	1272	1293	1311	1322	1329	1335	1345	1362	1359	1369
52.5	1097	1128	1155	1175	1182	1184	1185	1201	1228	1225
55.0	923.1	961.7	994.6	1016	1030	1038	1036	1044	1069	1093
57.5	747.3	797.2	837.0	855.6	865.4	873.3	885.2	893.3	908.4	938.4
60.0	572.0	634.6	684.6	707.9	710.1	702.8	711.0	736.9	757.1	775.8
62.5	481.2	524.0	557.2	564.9	565.2	554.7	544.4	561.4	600.2	629.6
65.0	404.3	439.0	465.0	467.8	452.0	416.0	396.6	399.6	429.0	484.7
67.5	321.6	351.0	372.6	373.1	358.4	327.8	288.3	252.4	279.2	327.5
70.0	237.5	261.5	281.7	286.7	277.6	250.6	217.1	184.2	155.4	195.9
72.5	155.3	172.6	190.4	200.7	202.4	188.1	165.5	137.2	117.4	108.5
75.0	72.95	83.66	98.39	112.5	122.3	123.8	118.5	104.8	90.77	83.49
77.5	35.33	38.77	43.54	48.80	53.60	59.38	68.77	70.74	68.32	65.68
80.0	1.986	4.576	8.343	13.13	18.46	24.07	30.45	37.74	44.25	46.42
82.5	0	0	0	0	0	0	0	5.119	13.13	21.20
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	3212	3212	3212	3212	3212	3212	3212	3212	3212	3212
2.5	3181	3184	3187	3190	3194	3198	3202	3198	3195	3191
5.0	3140	3145	3152	3158	3166	3174	3182	3174	3167	3160
7.5	3094	3103	3112	3122	3134	3146	3158	3147	3135	3125
10.0	3043	3054	3066	3080	3095	3112	3129	3113	3098	3084
12.5	2993	3000	3012	3029	3048	3070	3093	3072	3052	3035
15.0	2938	2943	2950	2968	2991	3017	3047	3020	2996	2975
17.5	2876	2878	2882	2892	2918	2949	2985	2952	2924	2900
20.0	2804	2805	2804	2808	2834	2870	2911	2873	2840	2817
22.5	2711	2723	2719	2719	2737	2779	2828	2782	2743	2728
25.0	2606	2618	2624	2620	2627	2675	2733	2679	2634	2630
27.5	2489	2499	2520	2510	2507	2558	2623	2561	2514	2521
30.0	2373	2371	2390	2394	2387	2432	2502	2435	2394	2405
32.5	2260	2238	2256	2276	2263	2299	2376	2303	2270	2287
35.0	2149	2119	2117	2149	2136	2162	2245	2166	2143	2160
37.5	2023	2002	1975	2007	2007	2022	2111	2027	2015	2019
40.0	1886	1889	1847	1862	1878	1882	1974	1887	1888	1876
42.5	1750	1757	1729	1721	1752	1743	1838	1748	1762	1736
45.0	1643	1620	1618	1584	1631	1608	1706	1613	1641	1599
47.5	1547	1485	1501	1458	1496	1481	1577	1485	1506	1471
50.0	1427	1380	1360	1341	1354	1343	1437	1346	1361	1348
52.5	1253	1281	1218	1222	1201	1204	1288	1206	1205	1223
55.0	1086	1144	1092	1097	1048	1067	1143	1068	1050	1092
57.5	953.7	966.1	986.6	943.1	898.4	929.1	996.3	928.7	898.0	934.2
60.0	813.7	804.3	861.7	786.5	766.7	781.4	836.1	778.6	761.2	775.9
62.5	646.0	667.8	667.1	643.7	615.3	595.7	613.5	588.3	603.2	629.5
65.0	496.9	494.0	485.1	502.9	417.3	339.1	316.6	323.8	396.2	478.2
67.5	374.3	315.6	346.0	298.2	202.9	157.7	156.3	148.2	185.0	273.5
70.0	235.3	232.2	186.0	146.0	113.1	104.4	109.7	103.4	108.5	136.8
72.5	135.7	143.5	112.1	104.2	90.79	81.18	88.37	81.61	89.10	102.2
75.0	83.55	88.86	82.33	71.39	68.03	67.30	71.09	67.52	67.81	72.15
77.5	63.48	62.90	58.42	56.93	52.83	52.26	55.00	52.49	52.91	58.03

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-12-03

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.998m [K=1.0000]

Remarks:

Photometric Data Table [cd]

80.0	47.73	45.71	43.07	38.88	36.97	36.35	40.29	36.24	37.38	39.65
82.5	28.83	30.83	30.00	27.56	26.21	24.98	27.22	24.54	26.51	28.25
85.0	0	7.999	15.66	17.98	16.23	13.71	14.89	12.43	16.41	18.65
87.5	0	0	0	0	7.504	6.220	3.523	4.157	7.109	0
90.0	0	0	0	0	0	0	0.9383	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	3212	3212	3212	3212	3212	3212	3212	3212	3212	3212
2.5	3188	3185	3182	3179	3177	3175	3173	3171	3170	3169
5.0	3154	3148	3143	3138	3134	3131	3128	3126	3124	3123
7.5	3116	3107	3100	3093	3088	3085	3083	3081	3080	3080
10.0	3071	3061	3051	3047	3044	3041	3040	3039	3038	3038
12.5	3020	3009	3004	3000	2997	2996	2995	2994	2993	2992
15.0	2960	2955	2952	2949	2948	2944	2940	2939	2940	2941
17.5	2893	2892	2893	2893	2886	2882	2880	2880	2881	2879
20.0	2817	2820	2822	2815	2813	2813	2811	2806	2804	2804
22.5	2732	2740	2730	2727	2728	2728	2728	2727	2727	2725
25.0	2638	2635	2627	2626	2631	2636	2642	2638	2634	2635
27.5	2534	2517	2511	2519	2531	2540	2535	2534	2537	2543
30.0	2405	2389	2392	2410	2424	2419	2420	2428	2447	2464
32.5	2270	2256	2276	2299	2293	2293	2312	2339	2362	2384
35.0	2132	2134	2162	2163	2159	2183	2217	2249	2241	2232
37.5	1991	2016	2034	2025	2045	2085	2110	2096	2085	2079
40.0	1862	1899	1893	1901	1946	1969	1949	1936	1939	1944
42.5	1743	1765	1754	1799	1834	1805	1788	1799	1807	1813
45.0	1627	1624	1643	1702	1670	1647	1657	1670	1670	1667
47.5	1507	1484	1543	1539	1505	1517	1529	1524	1521	1519
50.0	1363	1376	1420	1372	1375	1389	1377	1372	1373	1372
52.5	1212	1273	1249	1232	1248	1233	1225	1227	1230	1227
55.0	1078	1133	1087	1105	1091	1079	1081	1085	1080	1070
57.5	967.5	953.0	957.2	953.0	934.2	935.6	936.8	925.4	919.1	911.5
60.0	842.0	796.2	818.9	792.9	791.7	786.1	769.8	761.4	767.8	766.9
62.5	657.0	669.2	653.9	653.2	642.6	616.5	610.5	619.1	627.2	626.2
65.0	482.4	507.3	512.0	513.4	475.8	463.8	470.8	484.8	510.9	521.8
67.5	346.4	334.6	393.5	357.4	332.6	326.6	360.1	389.0	409.5	420.0
70.0	187.7	248.0	255.8	230.2	212.8	246.4	275.4	301.9	320.3	326.2
72.5	115.4	153.8	154.5	141.1	159.2	184.2	210.3	227.9	236.2	232.5
75.0	84.81	95.96	98.13	104.0	120.5	138.7	150.1	151.7	147.0	136.4
77.5	60.72	68.23	72.88	80.70	87.99	90.54	86.36	75.03	68.89	63.49
80.0	45.14	49.44	54.94	55.71	53.16	45.60	37.82	30.46	23.71	17.07
82.5	31.74	33.71	33.06	24.93	15.61	6.174	0	0	0	0
85.0	16.85	8.789	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	3212	3212	3212	3212	3212	3212	3212	3212	3212	3212
2.5	3168	3168	3168	3168	3169	3169	3170	3172	3173	3175
5.0	3123	3123	3123	3124	3125	3127	3129	3132	3134	3138
7.5	3080	3081	3082	3083	3085	3087	3089	3092	3095	3099
10.0	3039	3040	3041	3043	3045	3046	3048	3051	3053	3056
12.5	2993	2994	2996	2998	3002	3004	3007	3009	3011	3013
15.0	2944	2947	2949	2953	2958	2962	2965	2968	2969	2969
17.5	2879	2879	2880	2882	2886	2889	2894	2898	2904	2911
20.0	2805	2806	2807	2810	2814	2816	2818	2820	2824	2830
22.5	2725	2727	2730	2734	2738	2742	2744	2745	2747	2747
25.0	2638	2644	2650	2657	2663	2669	2671	2672	2672	2672
27.5	2555	2567	2577	2585	2591	2594	2594	2594	2593	2593
30.0	2479	2493	2504	2513	2518	2519	2516	2512	2506	2502
32.5	2376	2372	2371	2374	2378	2383	2388	2394	2400	2408
35.0	2226	2224	2226	2231	2237	2245	2251	2258	2265	2273
37.5	2081	2085	2089	2094	2099	2104	2110	2118	2128	2139
40.0	1947	1950	1954	1957	1960	1963	1967	1973	1981	1990
42.5	1810	1809	1811	1816	1820	1825	1829	1834	1837	1839
45.0	1664	1663	1668	1674	1680	1686	1692	1699	1704	1703
47.5	1516	1512	1510	1509	1511	1519	1530	1546	1562	1571
50.0	1368	1359	1351	1344	1342	1350	1364	1382	1397	1411
52.5	1217	1203	1189	1177	1173	1181	1200	1221	1237	1246
55.0	1059	1044	1027	1011	1004	1013	1037	1065	1085	1095
57.5	904.9	889.6	866.0	844.0	834.4	845.6	875.3	906.7	931.6	948.2
60.0	757.9	737.9	706.6	677.7	665.3	678.8	714.0	748.1	773.6	789.1
62.5	627.8	618.5	598.2	578.1	568.6	577.4	603.0	626.0	637.7	632.5
65.0	522.8	515.4	498.5	481.0	471.9	478.3	500.6	522.8	536.3	534.9
67.5	420.6	413.1	397.3	382.1	375.2	381.2	399.6	419.1	433.3	437.7
70.0	322.1	311.4	295.8	283.0	278.5	284.1	298.7	315.1	328.3	334.7

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-12-03

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.998m [K=1.0000]

Remarks:

Photometric Data Table [cd]

72.5	222.7	209.4	194.8	184.7	181.8	185.7	196.5	211.1	225.1	234.3
75.0	122.3	107.1	93.73	86.30	85.01	87.28	94.01	107.1	123.5	138.3
77.5	57.37	51.01	45.64	42.85	42.50	43.35	45.72	50.83	57.87	65.05
80.0	10.99	6.023	2.568	0.6298	0	0.6371	2.571	6.001	11.09	17.50
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	3212	3212	3212	3212	3212	3212	3212	3212	3212	3212
2.5	3177	3179	3182	3184	3187	3190	3193	3196	3200	3203
5.0	3141	3145	3149	3154	3159	3164	3170	3176	3182	3189
7.5	3103	3108	3114	3120	3127	3134	3140	3147	3155	3164
10.0	3060	3065	3070	3077	3084	3093	3104	3113	3123	3134
12.5	3015	3017	3021	3028	3036	3047	3059	3073	3085	3097
15.0	2971	2972	2974	2977	2983	2993	3005	3020	3038	3051
17.5	2921	2925	2926	2928	2929	2930	2940	2955	2975	2996
20.0	2838	2850	2867	2875	2871	2868	2865	2877	2897	2924
22.5	2752	2761	2774	2790	2808	2798	2788	2782	2804	2833
25.0	2672	2672	2673	2684	2699	2719	2703	2689	2695	2726
27.5	2592	2588	2581	2571	2580	2597	2611	2591	2577	2608
30.0	2500	2500	2490	2475	2459	2468	2490	2490	2467	2479
32.5	2398	2392	2388	2379	2357	2336	2353	2381	2352	2341
35.0	2278	2281	2272	2267	2257	2228	2212	2236	2235	2206
37.5	2143	2147	2150	2144	2140	2122	2087	2091	2117	2085
40.0	2002	2012	2013	2015	2011	2008	1976	1948	1981	1966
42.5	1847	1860	1878	1878	1880	1876	1871	1828	1837	1846
45.0	1701	1703	1718	1741	1742	1746	1744	1718	1692	1726
47.5	1569	1563	1558	1576	1607	1609	1611	1611	1555	1592
50.0	1426	1433	1425	1415	1441	1472	1474	1475	1442	1445
52.5	1259	1274	1295	1284	1274	1311	1333	1333	1328	1286
55.0	1100	1104	1121	1150	1141	1139	1187	1186	1190	1126
57.5	953.3	953.3	949.1	969.7	1006	995.0	1008	1040	1025	994.5
60.0	800.0	807.9	801.2	796.4	820.8	864.0	841.5	874.9	865.7	870.4
62.5	638.5	641.8	646.4	646.9	647.9	682.2	708.4	681.5	721.2	706.4
65.0	520.4	484.7	472.2	483.8	500.3	512.8	546.7	525.1	547.5	473.2
67.5	430.7	403.4	355.0	308.2	337.4	376.7	381.1	381.9	327.8	290.3
70.0	334.3	320.9	290.2	241.6	190.4	232.1	270.0	236.8	200.9	181.9
72.5	237.2	231.9	215.8	190.5	156.5	129.6	160.5	160.5	124.2	98.60
75.0	149.3	152.1	146.1	133.1	118.7	107.0	95.85	103.3	84.74	78.16
77.5	71.93	78.91	88.13	88.66	83.28	78.85	76.66	70.03	65.20	56.66
80.0	24.79	32.21	40.15	48.75	56.39	56.70	54.44	52.76	47.52	44.33
82.5	0	0	0	6.603	16.85	27.19	36.78	35.80	32.76	30.11
85.0	0	0	0	0	0	0	0	10.11	19.45	19.05
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	3212	3212								
2.5	3207	3210								
5.0	3196	3203								
7.5	3173	3182								
10.0	3146	3158								
12.5	3110	3125								
15.0	3064	3080								
17.5	3010	3026								
20.0	2940	2957								
22.5	2857	2872								
25.0	2761	2773								
27.5	2651	2662								
30.0	2524	2541								
32.5	2388	2414								
35.0	2250	2285								
37.5	2113	2158								
40.0	1975	2031								
42.5	1833	1900								
45.0	1692	1771								
47.5	1566	1633								
50.0	1438	1488								
52.5	1303	1333								
55.0	1167	1170								
57.5	1017	995.1								
60.0	831.6	803.5								
62.5	611.6	540.2								

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-12-03

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.998m [K=1.0000]

Remarks:

Photometric Data Table [cd]

65.0	351.2	276.0
67.5	208.2	154.3
70.0	132.0	111.1
72.5	89.18	89.57
75.0	71.91	68.50
77.5	54.14	51.63
80.0	41.82	39.94
82.5	27.60	26.98
85.0	17.31	15.30
87.5	8.301	4.114
90.0	0	0

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-03

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks: