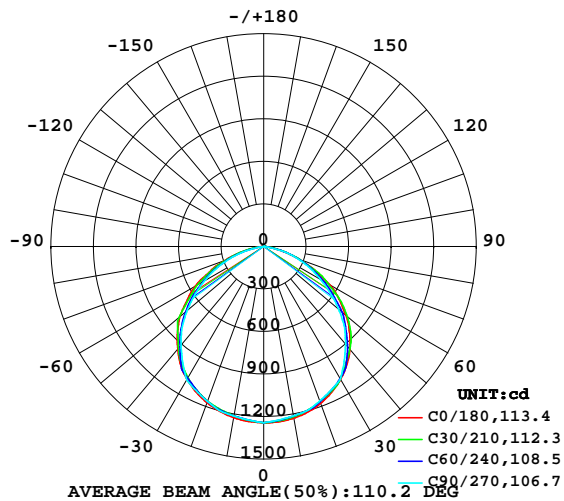


LUMINAIRE PHOTOMETRIC TEST REPORT

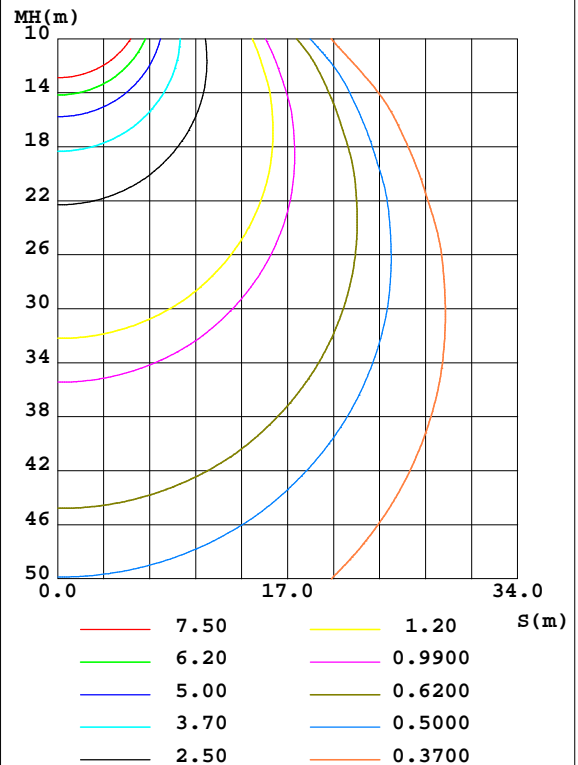
Test:U:120.31V I:0.1733A P:20.805W PF:0.9976 Freq:59.98Hz Lamp Flux:3369.21x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:20W	DIM.: 500*100mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 161.94 lm/W			
MODEL	GHW-03-U	Imax(cd)	1244	S/MH(C0/180)	1.29
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3369.2	η UP,DN(C0-180)	0.0,49.8
NOMINAL FLUX(lm)	3369.21	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.2
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	1229	1216	1213	1211	1226	1212	1215	1217	0- 10	117.1	117.1	3.48,3.48
20	1178	1172	1159	1159	1172	1162	1163	1174	10- 20	337.6	454.7	13.5,13.5
30	1085	1072	1082	1064	1082	1069	1087	1076	20- 30	517.9	972.6	28.9,28.9
40	946.5	949.0	898.8	944.3	943.8	950.5	906.9	954.3	30- 40	631.0	1604	47.6,47.6
50	757.5	732.0	691.1	734.6	772.0	743.5	704.4	738.1	40- 50	645.9	2250	66.8,66.8
60	534.5	513.9	458.9	508.2	555.0	514.5	479.7	513.9	50- 60	556.6	2806	83.3,83.3
70	267.1	282.1	257.4	271.4	295.2	272.7	256.4	276.9	60- 70	383.9	3190	94.7,94.7
80	50.02	56.65	0	61.42	71.79	55.36	0	56.12	70- 80	168.1	3358	99.7,99.7
90	0	0	0	0	3.822	0	0	0	80- 90	11.09	3369	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): 1930.9 lm

%lum = 57.3%

%lamp = 57.3%

Conical surface Flux(120deg): 2806.1 lm

%lum = 83.3%

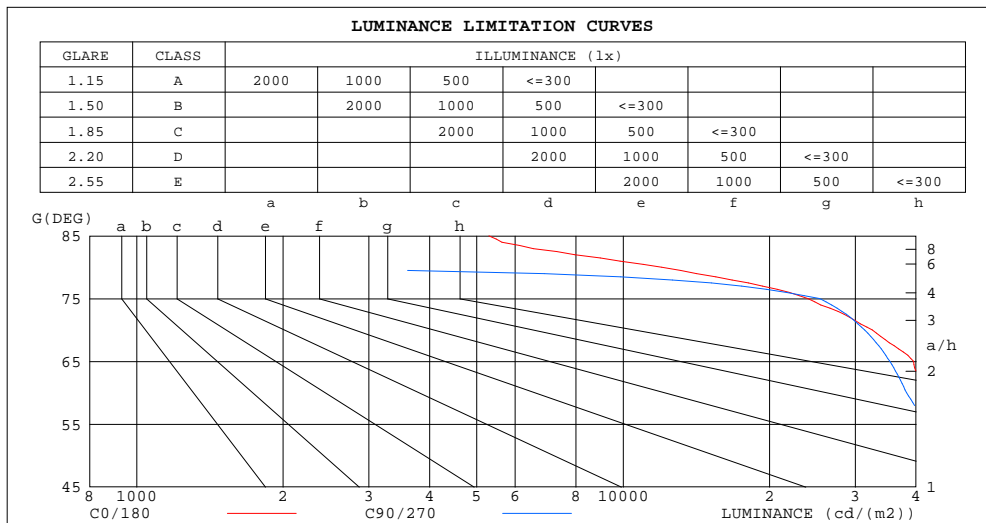
%lamp = 83.3%

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:120.31V I:0.1733A P:20.805W PF:0.9976 Freq:59.98Hz Lamp Flux:3369.21x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:20W	DIM.: 500*100mm	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	5295	0
80	12003	0
75	23992	25375
70	32537	31352
65	39560	35347
60	44544	38240
55	47195	41784
50	49101	44798
45	50469	47591

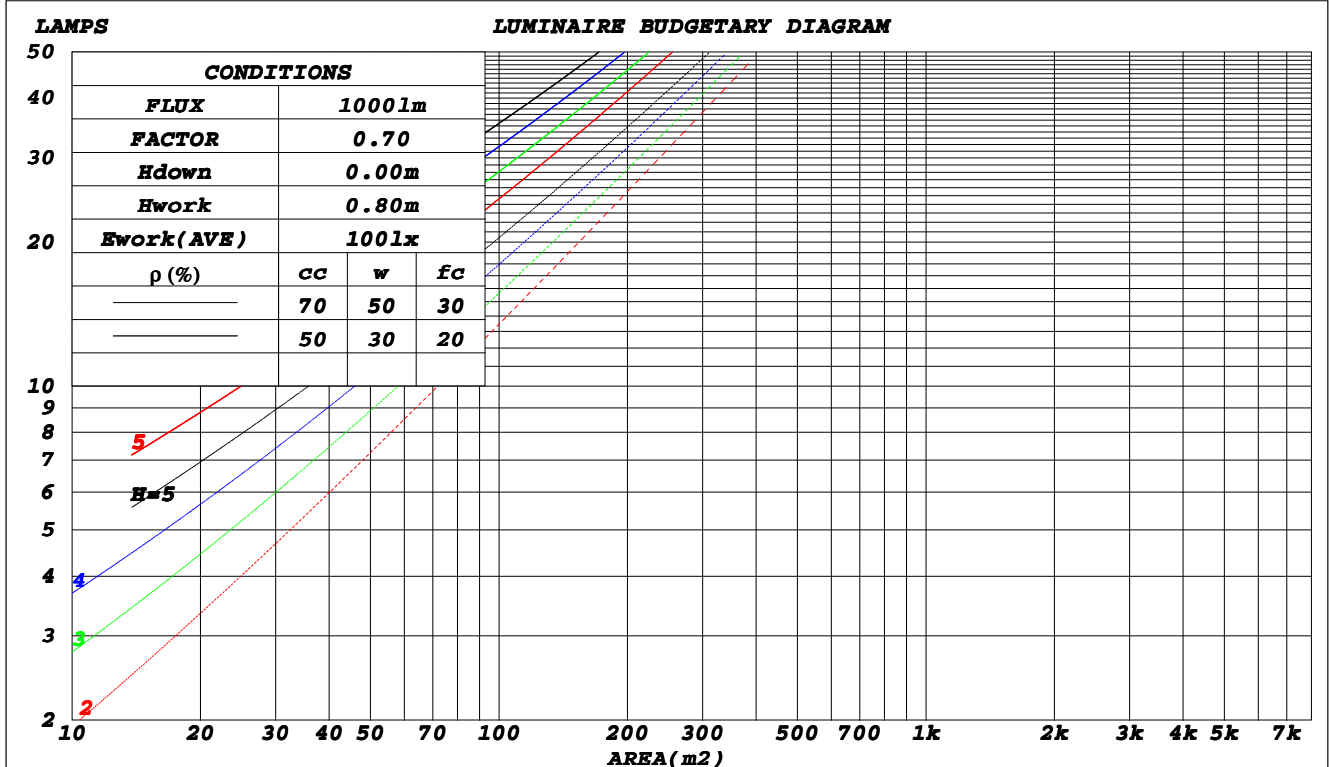
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-06

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:120.31V I:0.1733A P:20.805W PF:0.9976 Freq:59.98Hz Lamp Flux:3369.21x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:20W	DIM.: 500*100mm	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															



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:120.31V I:0.1733A P:20.805W PF:0.9976 Freq:59.98Hz Lamp Flux:3369.21x1 lm					
NAME: LED Linear Explosion-proof Light			TYPE:Flood Light		WEIGHT:N/A
SPEC.:20W			DIM.: 500*100mm		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	.281	.160	.051	.274	.156	.050	.261	.150	.048	.249	.144	.046	.238	.138	.044		
2.0	.273	.150	.046	.267	.147	.045	.255	.142	.044	.245	.137	.043	.235	.133	.042		
3.0	.257	.137	.041	.251	.135	.041	.241	.131	.040	.232	.127	.039	.223	.123	.038		
4.0	.239	.124	.037	.235	.123	.036	.226	.120	.036	.217	.117	.035	.209	.114	.035		
5.0	.223	.114	.033	.219	.112	.033	.211	.110	.032	.203	.107	.032	.196	.105	.032		
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	.185	.093	.027	.179	.092	.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	.076	.021	.150	.074	.021	.146	.073	.021		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.178	.156	.137	.153	.134	.118	.104	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.170	.132	.100	.145	.114	.087	.100	.079	.060	.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	.133	.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:2024-11-06

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:120.31V I:0.1733A P:20.805W PF:0.9976 Freq:59.98Hz Lamp Flux:3369.21x1 lm										
NAME: LED Linear Explosion-proof Light					TYPE:Flood Light			WEIGHT:N/A		
SPEC.:20W					DIM.: 500*100mm			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	21.5	23.0	21.8	23.2	23.4
3H	23.3	24.7	23.6	24.9	25.2	22.7	24.0	23.0	24.3	24.5
4H	23.6	24.9	23.9	25.2	25.4	23.0	24.3	23.3	24.6	24.8
6H	23.7	24.9	24.0	25.2	25.5	23.0	24.2	23.4	24.5	24.8
8H	23.7	24.8	24.0	25.1	25.4	23.0	24.1	23.3	24.4	24.7
12H	23.6	24.7	24.0	25.0	25.3	22.9	24.1	23.3	24.3	24.6
4H 2H	22.6	23.9	23.0	24.2	24.4	22.2	23.4	22.5	23.7	23.9
3H	23.9	25.1	24.3	25.4	25.7	23.4	24.6	23.8	24.8	25.2
4H	24.3	25.4	24.7	25.7	26.0	23.9	24.9	24.2	25.2	25.5
6H	24.5	25.4	24.9	25.7	26.1	23.9	24.8	24.3	25.1	25.5
8H	24.5	25.3	24.9	25.7	26.1	23.9	24.7	24.3	25.1	25.4
12H	24.5	25.2	24.9	25.6	26.0	23.8	24.6	24.2	25.0	25.4
8H 4H	24.5	25.3	24.9	25.7	26.0	24.0	24.8	24.4	25.2	25.6
6H	24.7	25.4	25.1	25.8	26.2	24.1	24.8	24.5	25.2	25.6
8H	24.7	25.3	25.2	25.7	26.2	24.0	24.6	24.5	25.1	25.5
12H	24.7	25.2	25.2	25.7	26.1	24.0	24.5	24.5	25.0	25.4
12H 4H	24.4	25.2	24.8	25.6	26.0	24.0	24.8	24.4	25.1	25.5
6H	24.7	25.3	25.1	25.7	26.1	24.1	24.7	24.5	25.1	25.5
8H	24.7	25.2	25.2	25.6	26.1	24.0	24.5	24.5	25.0	25.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.3				
1.5H	+ 0.3 / - 0.5					+ 0.2 / - 0.4				
2.0H	+ 0.3 / - 0.5					+ 0.4 / - 0.5				

CIE Pub.117, 3369 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 4.2$)
Area: 0.024 m²

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

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:120.31V I:0.1733A P:20.805W PF:0.9976 Freq:59.98Hz Lamp Flux:3369.21x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:20W	DIM.: 500*100mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

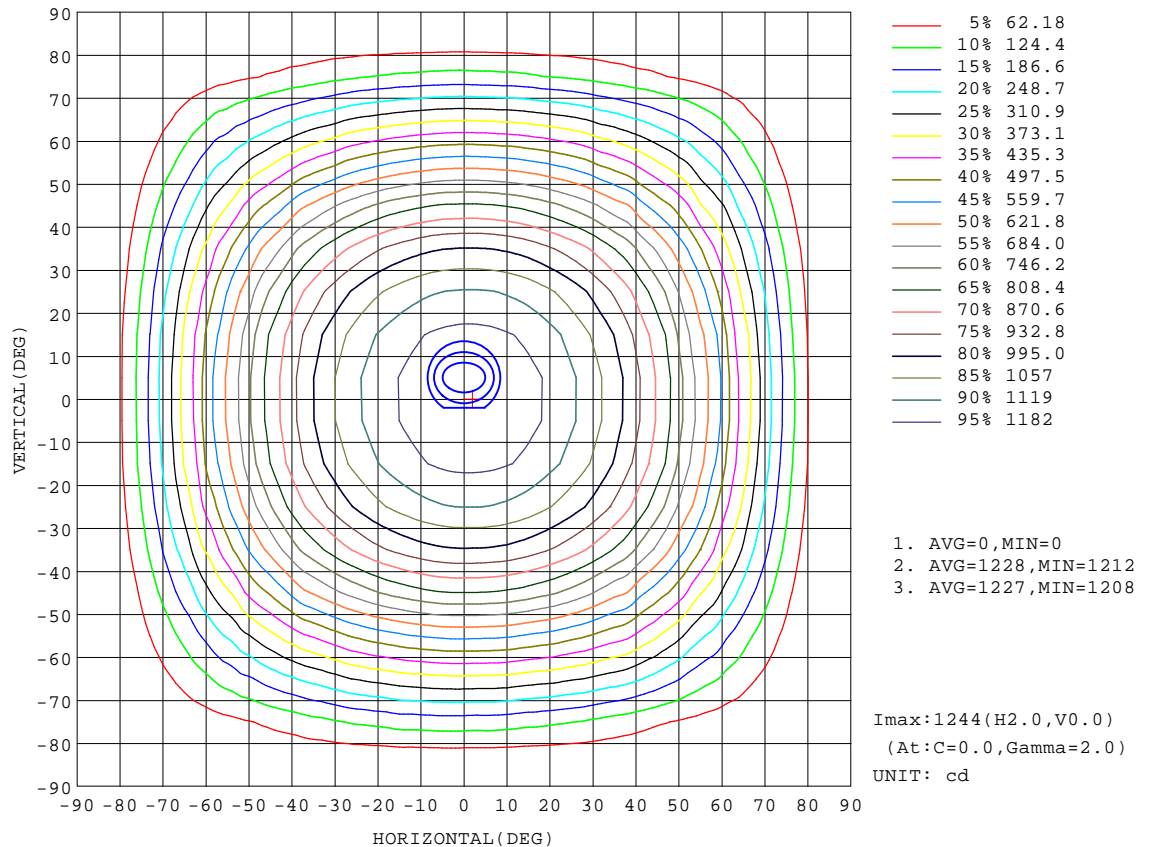
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	58	47	41	57	47	41	34
0.80	69	58	51	68	58	51	67	57	50	44
1.00	78	67	60	77	67	60	75	68	59	53
1.25	85	75	68	84	74	68	81	73	67	60
1.50	90	81	74	88	80	74	85	78	73	65
2.00	97	89	83	95	88	82	92	85	81	73
2.50	100	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	85
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:2024-11-06

$V(B)$ 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:120.31V I:0.1733A P:20.805W PF:0.9976 Freq:59.98Hz Lamp Flux:3369.21x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:20W	DIM.: 500*100mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A



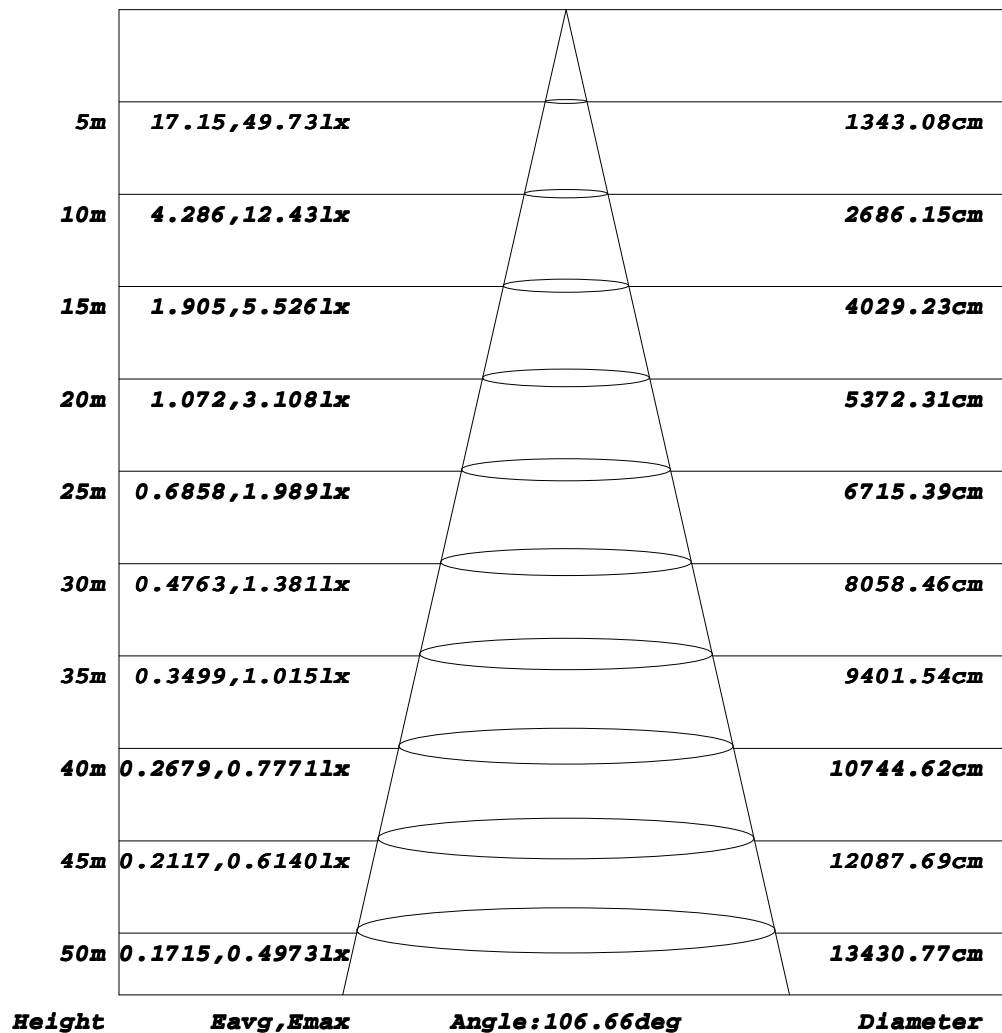
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-06

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:120.31V I:0.1733A P:20.805W PF:0.9976 Freq:59.98Hz Lamp Flux:3369.21x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:20W	DIM.: 500*100mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

Flux out:2459 lm



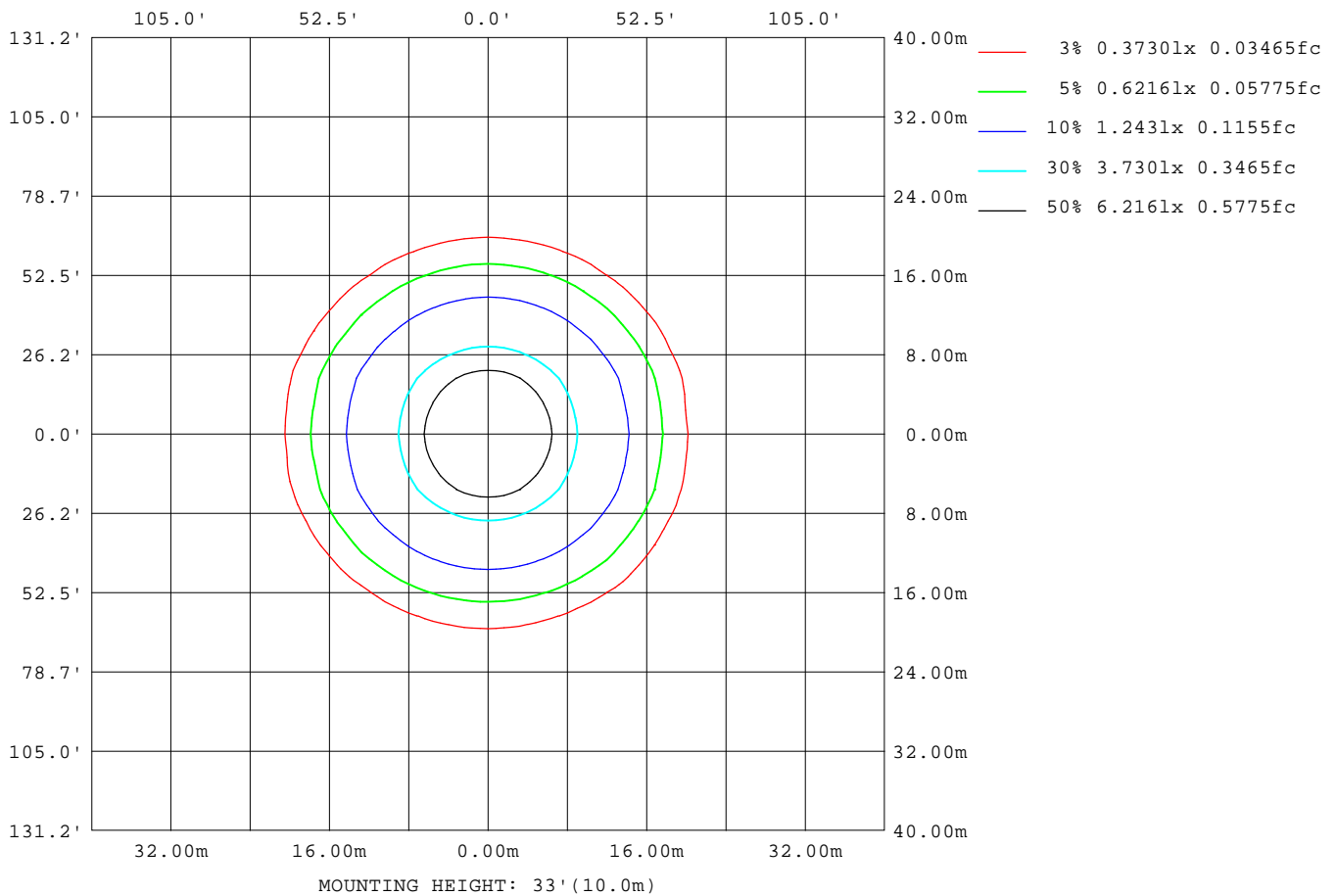
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.31V I:0.1733A P:20.805W PF:0.9976 Freq:59.98Hz Lamp Flux:3369.21x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:20W	DIM.: 500*100mm	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:120.31V I:0.1733A P:20.805W PF:0.9976 Freq:59.98Hz Lamp Flux:3369.21x1 lm		
NAME: LED Linear Explosion-proof Light	TYPE:Flood Light	WEIGHT:N/A
SPEC.:20W	DIM.: 500*100mm	SERIAL No.:N/A
MFR.: Grin Industrial Co., Ltd.	SUR.:N/A	Shielding Angle:N/A

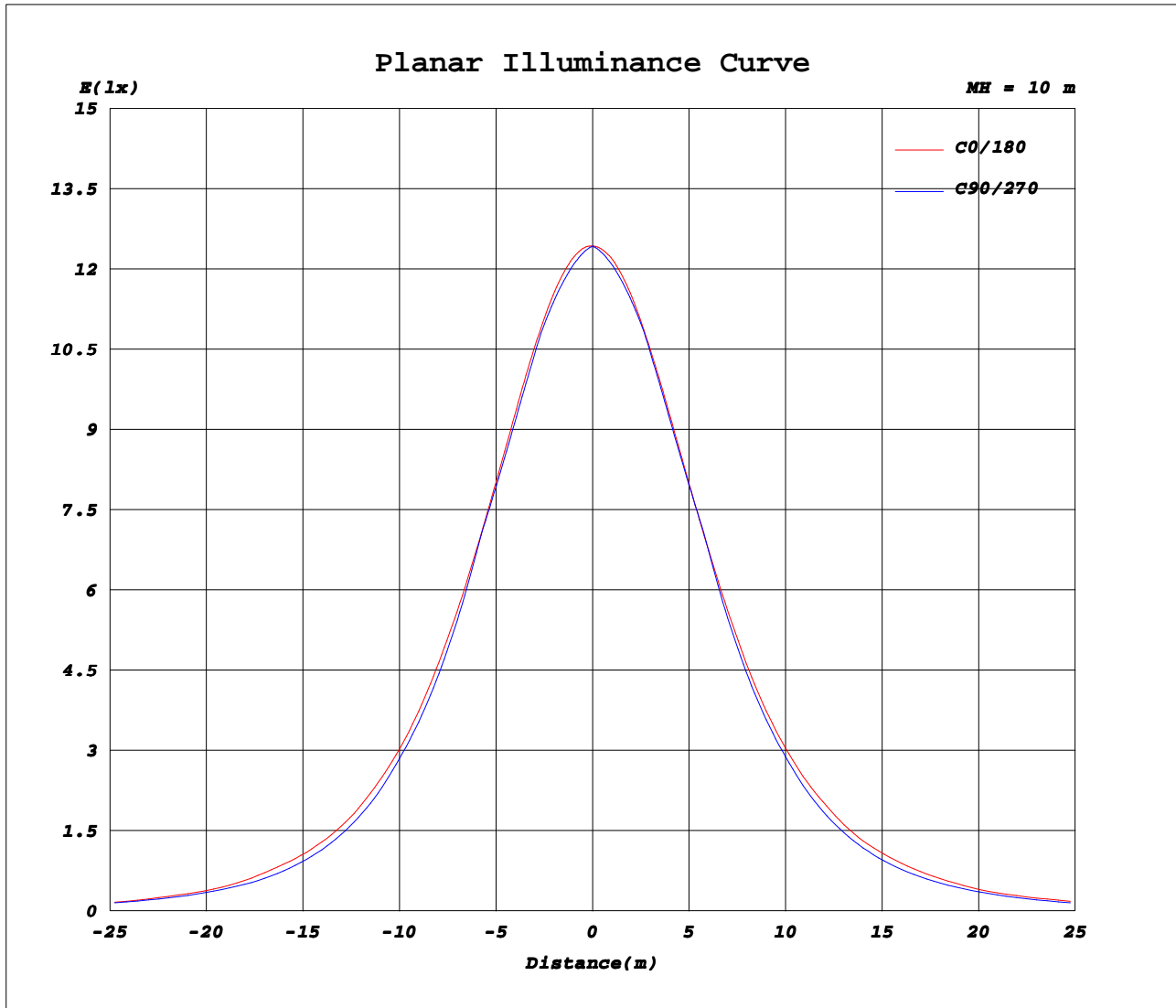
AvgL	cd/m2
L_0~180(65)av	40332
L_0~180(75)av	26311
L_0~180(85)av	6562
L_90~270(65)av	35828
L_90~270(75)av	24390
L_90~270(85)av	0
L_45(65)av	38546
L_45(75)av	26506
L_45(85)av	0

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	1243	1243	1243	1243	1243	1243	1243	1243	1243	1243
2.5	1243	1243	1242	1241	1241	1240	1240	1239	1239	1238
5.0	1241	1240	1238	1237	1236	1235	1234	1234	1233	1232
7.5	1236	1234	1233	1231	1230	1229	1228	1227	1226	1225
10.0	1229	1227	1225	1224	1222	1221	1220	1218	1217	1216
12.5	1220	1218	1216	1214	1213	1211	1209	1208	1206	1205
15.0	1208	1206	1204	1203	1201	1198	1196	1195	1194	1194
17.5	1195	1192	1190	1189	1186	1183	1181	1180	1182	1184
20.0	1178	1175	1173	1172	1167	1164	1163	1166	1169	1172
22.5	1157	1155	1154	1151	1146	1143	1146	1151	1155	1151
25.0	1136	1133	1133	1127	1122	1123	1128	1134	1128	1124
27.5	1111	1109	1109	1102	1097	1103	1110	1105	1099	1096
30.0	1085	1083	1082	1074	1073	1081	1081	1073	1069	1072
32.5	1055	1054	1051	1042	1048	1057	1047	1041	1044	1047
35.0	1022	1023	1017	1009	1020	1021	1011	1013	1018	1019
37.5	986.4	988.2	979.7	977.1	991.5	980.9	977.4	984.6	986.8	986.4
40.0	946.5	950.9	939.2	942.3	950.2	938.2	945.1	952.4	951.8	949.0
42.5	902.5	909.4	895.0	906.0	903.8	899.2	912.0	912.1	912.0	900.9
45.0	856.5	866.8	849.5	869.3	854.4	861.8	869.8	870.3	861.0	851.1
47.5	811.4	819.7	806.5	824.5	806.9	822.8	822.4	819.7	809.7	791.9
50.0	757.5	765.2	755.8	766.9	764.0	773.0	769.5	768.3	751.5	732.0
52.5	701.5	705.9	702.8	698.5	715.2	716.5	714.5	702.4	691.5	681.8
55.0	649.7	652.5	658.9	643.4	659.9	655.2	657.3	634.1	638.3	632.1
57.5	599.7	594.0	609.4	596.4	605.7	599.9	587.4	578.2	581.5	574.9
60.0	534.5	530.4	541.3	544.3	541.1	537.9	522.0	526.7	512.6	513.9
62.5	453.5	451.4	462.3	475.6	480.1	460.7	471.1	460.9	452.7	459.4
65.0	401.2	396.1	398.3	410.4	412.7	398.7	402.6	396.3	401.8	401.1
67.5	331.2	332.1	343.2	352.3	334.2	347.0	325.9	343.0	340.3	337.8
70.0	267.1	277.2	285.5	292.0	283.5	277.0	275.8	277.2	275.6	282.1
72.5	205.6	226.7	216.2	213.0	220.6	222.3	216.5	213.4	224.4	225.8
75.0	149.0	152.7	162.3	168.1	161.1	163.1	164.9	168.1	168.8	164.9
77.5	94.02	98.36	105.4	106.1	112.7	114.9	121.7	115.0	113.5	109.2
80.0	50.02	62.79	66.13	70.02	69.95	76.55	72.45	68.73	64.19	56.65
82.5	22.86	29.01	32.21	35.81	39.21	37.98	32.71	27.18	18.53	7.622
85.0	11.08	14.01	15.46	16.54	14.48	8.250	0	0	0	0
87.5	7.168	9.018	6.965	0	0	0	0	0	0	0
90.0	0	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	1243	1243	1243	1243	1243	1243	1243	1243	1243	1243
2.5	1238	1237	1237	1237	1236	1236	1236	1236	1235	1235
5.0	1232	1231	1230	1230	1229	1229	1228	1228	1228	1228
7.5	1224	1223	1223	1222	1222	1221	1221	1221	1220	1220
10.0	1215	1215	1214	1214	1214	1214	1213	1213	1213	1213
12.5	1205	1205	1205	1206	1206	1206	1206	1206	1205	1205
15.0	1195	1196	1197	1198	1198	1198	1198	1198	1198	1197
17.5	1185	1187	1186	1184	1183	1181	1180	1179	1179	1178
20.0	1171	1168	1165	1163	1162	1161	1160	1159	1159	1159
22.5	1148	1144	1143	1142	1142	1142	1141	1140	1140	1140
25.0	1121	1122	1123	1123	1123	1123	1122	1121	1120	1120
27.5	1098	1100	1102	1103	1103	1102	1102	1102	1101	1101
30.0	1075	1077	1078	1079	1081	1082	1082	1082	1082	1082
32.5	1049	1049	1052	1055	1049	1045	1040	1038	1036	1037
35.0	1019	1021	1015	1009	1004	999.6	995.2	992.0	990.4	991.1
37.5	985.1	976.2	968.9	963.9	957.8	953.1	948.7	946.0	944.6	945.9
40.0	938.6	930.3	920.9	913.6	908.6	905.0	901.8	899.9	898.8	900.8
42.5	891.4	878.8	869.4	862.5	860.2	858.5	856.1	854.2	853.2	855.1
45.0	836.0	825.2	819.7	815.9	814.6	813.1	810.7	808.6	807.6	809.1
47.5	779.0	775.9	773.5	770.1	764.4	759.0	754.2	750.5	749.4	751.7
50.0	729.2	728.5	721.6	711.3	702.9	698.6	695.2	691.8	691.1	693.8
52.5	679.7	669.9	659.2	650.8	642.9	639.9	637.5	633.9	633.1	635.0
55.0	616.7	606.9	599.1	594.1	585.9	582.4	580.1	575.9	575.2	576.0
57.5	555.3	550.2	543.2	538.4	528.0	523.2	521.5	517.3	517.0	518.1
60.0	502.6	496.1	486.0	478.1	468.4	463.0	462.5	458.8	458.9	460.2
62.5	449.8	437.1	427.5	417.5	412.7	409.4	410.9	408.5	408.7	409.4
65.0	393.2	378.6	373.2	366.4	362.0	359.1	360.8	358.5	358.5	359.0
67.5	336.8	325.6	321.2	314.7	310.4	307.3	309.3	308.2	307.9	309.3
70.0	281.8	270.7	266.0	260.4	257.7	255.1	257.5	258.0	257.4	259.7
72.5	222.1	213.0	209.4	207.0	205.8	204.1	207.1	207.8	207.5	209.8
75.0	162.3	158.0	156.8	155.7	154.6	153.5	156.9	157.7	157.6	159.8
77.5	107.1	103.6	101.1	95.74	89.39	83.94	81.88	79.76	78.81	80.83
80.0	51.21	43.04	34.72	25.73	17.08	9.892	4.602	1.172	0	1.188
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	1243	1243	1243	1243	1243	1243	1243	1243	1243	1243
2.5	1235	1235	1236	1236	1236	1236	1236	1237	1237	1238
5.0	1228	1227	1227	1227	1228	1228	1228	1229	1230	1230
7.5	1220	1220	1220	1220	1220	1220	1220	1220	1221	1221
10.0	1213	1213	1212	1212	1212	1212	1212	1211	1211	1211
12.5	1205	1204	1204	1204	1203	1203	1202	1201	1201	1200
15.0	1197	1196	1194	1193	1192	1191	1190	1190	1190	1188
17.5	1179	1179	1178	1178	1179	1178	1176	1175	1175	1175
20.0	1160	1160	1159	1159	1159	1159	1159	1159	1158	1157
22.5	1140	1139	1139	1139	1139	1139	1138	1138	1139	1138
25.0	1119	1118	1117	1116	1116	1116	1117	1116	1116	1116
27.5	1100	1098	1096	1093	1091	1090	1091	1093	1092	1091
30.0	1081	1079	1076	1073	1068	1064	1063	1064	1066	1065
32.5	1039	1042	1046	1053	1047	1042	1037	1033	1034	1038
35.0	992.3	994.2	997.6	1003	1011	1020	1014	1005	1000	1003
37.5	947.2	948.1	949.6	952.7	960.1	970.8	984.0	979.2	970.0	966.1
40.0	902.4	903.2	904.3	906.9	911.2	917.7	928.7	944.3	942.0	929.9
42.5	855.8	856.4	857.8	861.5	865.2	869.0	873.7	888.4	906.7	898.7
45.0	808.6	807.9	808.1	811.5	816.8	821.9	826.4	832.0	847.6	867.6
47.5	752.8	754.2	756.4	760.6	763.8	769.1	779.0	783.2	788.4	810.3
50.0	695.5	697.4	700.2	704.9	709.7	715.2	723.6	734.6	739.7	748.6
52.5	636.3	639.1	642.9	649.0	654.4	660.5	667.2	677.0	692.7	691.5
55.0	576.6	579.6	582.8	589.3	597.0	605.9	611.2	620.0	633.3	637.4
57.5	518.7	521.8	523.8	529.7	536.2	544.3	554.7	565.1	566.2	573.6
60.0	461.3	465.4	467.5	473.9	478.9	481.1	490.7	508.2	509.0	506.2
62.5	409.5	412.4	412.9	419.2	424.4	425.1	429.7	442.5	450.7	453.8
65.0	358.6	361.1	360.8	366.0	370.6	369.8	374.5	381.0	384.2	398.3
67.5	309.2	311.2	310.2	313.0	315.6	314.9	319.9	326.9	328.4	330.4
70.0	259.9	261.9	261.0	263.2	264.7	261.7	265.6	271.4	277.3	273.7
72.5	209.5	212.2	210.1	212.7	215.4	212.9	215.5	216.7	218.9	222.0
75.0	159.0	162.3	158.4	160.7	162.1	161.4	165.1	167.7	167.2	169.4
77.5	83.02	89.19	91.86	99.42	105.4	109.0	110.5	115.2	119.1	123.7
80.0	4.666	10.52	17.57	26.76	36.24	45.52	53.43	61.42	66.72	74.28
82.5	0	0	0	0	0	0	0	8.248	19.24	28.44
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	1243	1243	1243	1243	1243	1243	1243	1243	1243	1243
2.5	1238	1238	1239	1240	1240	1241	1242	1241	1240	1240
5.0	1231	1232	1233	1235	1236	1237	1239	1237	1236	1235
7.5	1222	1224	1225	1227	1229	1231	1233	1231	1229	1227
10.0	1211	1213	1215	1217	1219	1222	1226	1223	1220	1217
12.5	1200	1200	1202	1204	1207	1211	1215	1211	1208	1205
15.0	1187	1187	1187	1189	1193	1198	1203	1198	1194	1190
17.5	1174	1172	1171	1172	1177	1182	1189	1182	1177	1173
20.0	1158	1156	1155	1154	1158	1164	1172	1165	1159	1155
22.5	1138	1139	1136	1134	1137	1144	1153	1145	1138	1136
25.0	1115	1116	1116	1113	1113	1121	1132	1122	1114	1116
27.5	1091	1092	1094	1090	1087	1096	1108	1096	1088	1092
30.0	1064	1064	1066	1065	1061	1068	1082	1069	1062	1067
32.5	1036	1034	1036	1038	1032	1038	1054	1039	1034	1041
35.0	1006	1003	1003	1008	1001	1004	1022	1005	1003	1011
37.5	970.7	969.8	967.2	971.5	966.3	964.7	984.6	965.7	968.2	974.3
40.0	930.1	936.0	930.0	931.4	929.3	923.3	943.8	924.2	931.3	934.5
42.5	887.9	895.0	892.2	889.5	891.7	880.7	903.1	882.0	893.7	892.4
45.0	852.5	848.5	852.7	844.7	852.5	835.7	860.9	837.8	855.5	849.0
47.5	818.1	797.6	808.1	799.6	806.4	792.0	816.1	794.3	811.3	806.4
50.0	770.8	755.4	753.4	753.4	755.1	744.6	772.0	746.0	758.7	760.6
52.5	700.7	713.7	695.2	703.4	696.9	690.0	715.5	692.0	700.1	708.4
55.0	633.0	658.5	642.7	651.9	638.6	639.7	660.3	642.5	644.5	657.8
57.5	580.7	588.1	599.1	590.6	582.1	590.8	612.4	591.2	583.3	599.0
60.0	527.2	523.8	549.9	524.2	534.0	542.0	555.0	542.8	537.3	533.7
62.5	461.9	467.7	470.6	464.7	478.3	476.1	486.0	477.0	479.4	475.1
65.0	399.2	400.1	398.3	421.9	413.7	411.4	416.9	419.2	420.4	425.3
67.5	343.7	335.6	350.1	356.9	341.1	346.9	365.0	346.4	350.6	363.4
70.0	273.6	287.3	282.3	271.2	275.7	275.2	295.2	277.8	279.1	281.1
72.5	223.7	223.2	219.5	229.1	237.8	215.7	237.8	220.5	242.0	236.7
75.0	175.9	168.8	168.5	162.5	167.1	167.1	177.8	168.8	174.3	171.6
77.5	123.1	122.3	115.6	120.5	115.1	116.2	121.5	118.3	120.0	127.1

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-06

V(β) Range:-75 - 75DEG

V(β) 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	81.79	80.18	75.28	68.30	62.87	62.96	71.79	64.46	66.51	69.96
82.5	35.71	43.41	44.67	39.84	35.96	31.66	37.01	31.94	36.60	38.92
85.0	0	8.928	15.64	20.71	16.80	13.81	16.38	13.28	15.99	19.75
87.5	0	0	0	0	7.360	9.460	9.526	9.533	7.030	0
90.0	0	0	0	0	0	0	3.822	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	1243	1243	1243	1243	1243	1243	1243	1243	1243	1243
2.5	1239	1239	1238	1238	1237	1237	1237	1236	1236	1236
5.0	1234	1233	1232	1231	1230	1229	1229	1228	1228	1228
7.5	1226	1224	1223	1222	1221	1221	1221	1221	1221	1221
10.0	1215	1214	1212	1212	1212	1212	1213	1213	1213	1213
12.5	1202	1201	1201	1202	1202	1203	1204	1204	1205	1205
15.0	1188	1188	1189	1190	1191	1192	1192	1193	1194	1195
17.5	1173	1174	1175	1177	1177	1178	1179	1180	1181	1181
20.0	1156	1158	1160	1160	1160	1162	1163	1162	1162	1162
22.5	1139	1141	1141	1141	1142	1142	1142	1142	1143	1143
25.0	1119	1120	1120	1121	1120	1120	1121	1120	1120	1120
27.5	1098	1096	1097	1097	1097	1097	1095	1095	1095	1097
30.0	1069	1068	1069	1071	1072	1069	1068	1069	1073	1078
32.5	1039	1038	1040	1043	1040	1039	1042	1047	1053	1058
35.0	1007	1007	1011	1008	1006	1011	1019	1026	1017	1009
37.5	970.8	974.7	976.0	971.4	975.3	985.0	989.5	976.7	967.2	959.8
40.0	934.1	941.0	936.4	936.7	947.8	950.5	935.6	924.6	918.9	914.9
42.5	896.1	900.2	894.3	906.3	913.3	895.0	881.3	877.2	873.9	870.5
45.0	857.1	854.0	858.9	875.8	855.8	839.4	834.4	831.5	826.3	821.9
47.5	813.2	802.9	825.0	817.7	796.4	791.6	787.9	779.8	774.2	772.1
50.0	762.6	762.0	777.6	755.6	746.9	743.5	732.7	725.6	721.1	717.0
52.5	705.1	724.5	707.2	698.4	698.8	685.0	676.5	671.1	666.0	661.6
55.0	649.4	671.9	643.6	643.8	639.6	626.4	620.1	616.6	609.2	601.6
57.5	608.3	596.3	591.9	580.1	573.1	571.6	563.8	555.0	548.7	541.1
60.0	561.6	532.8	537.1	516.4	514.9	514.5	500.8	490.2	490.9	485.6
62.5	481.4	478.8	468.6	461.6	455.7	448.3	439.7	433.8	436.6	430.4
65.0	410.6	409.3	407.0	404.7	390.0	386.0	385.1	377.1	379.1	372.9
67.5	357.9	342.6	351.7	339.1	333.2	331.1	327.6	318.4	319.4	316.1
70.0	288.8	296.4	282.1	282.2	279.1	272.7	267.2	262.9	263.6	261.8
72.5	228.8	233.2	229.4	227.8	218.5	215.8	212.6	209.8	209.4	206.8
75.0	176.4	179.4	180.4	171.3	166.6	164.1	158.7	154.2	151.7	150.0
77.5	121.5	130.3	129.6	124.4	116.3	108.7	101.9	97.05	93.55	89.10
80.0	78.59	83.90	84.53	73.43	62.84	55.36	48.27	40.06	32.24	23.91
82.5	44.92	43.62	34.11	26.97	18.08	7.506	0	0	0	0
85.0	14.28	8.440	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	1243	1243	1243	1243	1243	1243	1243	1243	1243	1243
2.5	1236	1236	1236	1236	1236	1236	1236	1236	1237	1237
5.0	1228	1228	1228	1228	1229	1229	1229	1229	1230	1230
7.5	1221	1221	1221	1221	1222	1222	1222	1222	1223	1223
10.0	1213	1214	1214	1214	1215	1215	1215	1215	1215	1215
12.5	1205	1206	1206	1207	1207	1208	1208	1207	1207	1207
15.0	1196	1197	1198	1199	1200	1200	1200	1200	1200	1199
17.5	1181	1181	1181	1181	1181	1182	1182	1183	1184	1186
20.0	1162	1162	1162	1163	1163	1163	1163	1164	1164	1165
22.5	1142	1143	1143	1143	1144	1144	1144	1145	1145	1145
25.0	1121	1122	1123	1124	1125	1126	1126	1127	1126	1126
27.5	1101	1103	1104	1105	1106	1107	1107	1107	1107	1107
30.0	1082	1084	1086	1087	1087	1088	1088	1087	1086	1085
32.5	1052	1047	1044	1042	1042	1044	1047	1051	1055	1062
35.0	1004	1000	998.2	997.0	996.9	999.0	1002	1006	1011	1017
37.5	956.3	954.9	953.7	952.3	951.9	953.5	955.8	959.4	964.8	971.3
40.0	911.9	910.5	909.5	907.7	906.9	907.8	909.1	911.8	916.2	921.0
42.5	866.3	864.2	863.4	862.4	861.8	863.0	863.9	865.8	868.1	870.0
45.0	817.9	816.3	816.8	817.0	816.7	818.2	819.1	820.7	822.6	823.4
47.5	767.3	763.8	762.6	761.4	760.5	761.6	763.6	768.1	773.0	777.6
50.0	711.8	708.4	707.0	705.3	704.4	704.6	705.9	710.0	713.6	719.4
52.5	655.3	651.2	649.4	648.4	648.2	648.5	649.8	653.5	655.7	659.7
55.0	596.0	592.6	591.4	591.5	592.0	592.5	594.0	598.2	600.7	604.4
57.5	538.0	536.0	535.3	535.4	535.9	535.5	537.2	541.1	544.8	549.9
60.0	482.3	480.6	479.5	479.3	479.7	478.5	480.1	482.9	486.6	491.7
62.5	426.1	424.0	423.2	423.3	424.0	422.9	424.3	426.5	429.2	433.8
65.0	368.9	366.9	366.7	367.2	368.3	367.4	368.6	371.1	373.1	377.5
67.5	313.0	311.5	311.6	312.0	312.4	311.3	312.3	314.0	315.7	320.9
70.0	258.5	256.9	256.7	257.0	256.4	255.1	255.8	256.3	256.9	261.7

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]

72.5	203.1	201.4	200.7	201.1	200.9	199.4	199.9	200.1	199.3	203.2
75.0	147.0	145.7	144.5	145.2	145.4	143.9	144.1	144.5	142.9	146.5
77.5	83.44	78.85	74.91	73.29	72.69	72.65	74.83	78.10	80.61	86.78
80.0	15.97	9.299	4.209	1.077	0	1.068	4.208	9.199	15.42	23.32
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	1243	1243	1243	1243	1243	1243	1243	1243	1243	1243
2.5	1237	1238	1238	1239	1239	1239	1240	1240	1241	1242
5.0	1231	1232	1232	1233	1233	1234	1235	1236	1236	1237
7.5	1224	1224	1225	1226	1227	1227	1228	1229	1230	1232
10.0	1215	1216	1216	1217	1218	1219	1220	1221	1222	1224
12.5	1206	1206	1205	1206	1207	1208	1209	1211	1213	1214
15.0	1198	1197	1196	1195	1194	1195	1197	1199	1202	1203
17.5	1188	1187	1186	1184	1183	1181	1182	1184	1186	1189
20.0	1167	1169	1173	1174	1171	1168	1165	1166	1169	1173
22.5	1145	1147	1150	1153	1157	1153	1148	1145	1147	1151
25.0	1126	1125	1125	1127	1131	1137	1130	1125	1123	1128
27.5	1106	1105	1102	1100	1102	1107	1111	1104	1098	1102
30.0	1084	1083	1080	1076	1073	1076	1082	1082	1074	1074
32.5	1058	1055	1054	1052	1047	1043	1049	1058	1049	1044
35.0	1022	1027	1025	1024	1022	1015	1013	1022	1022	1011
37.5	975.9	982.5	991.7	992.0	990.8	986.9	979.1	983.2	993.9	979.6
40.0	927.7	936.3	944.8	954.3	954.6	953.8	947.1	941.3	953.8	944.8
42.5	875.8	884.9	897.7	906.0	913.4	913.9	914.6	902.1	906.4	907.5
45.0	825.6	831.3	842.5	856.4	863.6	872.9	872.8	864.2	855.7	869.5
47.5	779.2	782.2	786.2	797.2	813.5	822.9	825.2	824.9	808.4	824.9
50.0	727.9	735.0	737.1	738.1	755.2	772.1	772.5	776.0	766.2	767.7
52.5	667.5	677.4	688.9	688.7	696.5	706.2	718.2	720.3	718.2	701.1
55.0	609.5	615.2	624.0	638.5	644.4	638.0	661.7	660.4	665.2	642.1
57.5	555.3	558.2	560.4	576.8	587.4	582.5	592.8	606.8	607.9	597.9
60.0	498.5	502.6	505.5	513.9	515.0	531.4	529.1	544.4	545.6	548.1
62.5	439.0	438.4	449.2	456.5	452.6	465.9	478.0	464.9	482.1	483.6
65.0	381.5	376.6	385.6	395.7	399.1	402.1	412.5	399.7	417.5	411.6
67.5	325.2	322.3	326.8	332.3	338.0	347.6	335.1	347.9	343.0	352.6
70.0	265.6	266.5	272.5	276.9	276.4	286.0	285.2	283.0	289.9	290.1
72.5	204.6	207.7	213.3	221.8	225.0	227.5	227.7	231.9	221.6	216.1
75.0	148.5	151.0	154.7	161.9	169.1	178.6	174.5	170.8	164.6	169.8
77.5	91.90	95.42	99.97	107.4	112.9	120.5	127.4	118.0	114.9	107.7
80.0	31.61	39.52	47.22	56.12	62.64	69.85	74.41	77.77	71.67	70.19
82.5	0	0	0	7.557	17.98	26.67	31.84	37.47	39.12	34.34
85.0	0	0	0	0	0	0	0	7.797	13.29	15.39
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	1243	1243								
2.5	1242	1243								
5.0	1239	1240								
7.5	1233	1234								
10.0	1225	1227								
12.5	1216	1218								
15.0	1204	1206								
17.5	1191	1193								
20.0	1174	1175								
22.5	1154	1155								
25.0	1133	1133								
27.5	1109	1110								
30.0	1082	1084								
32.5	1052	1055								
35.0	1018	1023								
37.5	981.5	989.1								
40.0	940.6	951.6								
42.5	895.3	909.6								
45.0	849.6	866.8								
47.5	806.7	819.8								
50.0	756.2	765.5								
52.5	702.9	705.1								
55.0	655.4	652.0								
57.5	612.4	597.8								
60.0	547.5	534.4								
62.5	466.8	449.0								

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	393.7	396.5
67.5	343.9	335.9
70.0	288.8	278.1
72.5	220.0	227.1
75.0	164.9	153.7
77.5	107.5	98.92
80.0	67.48	64.07
82.5	30.87	29.67
85.0	14.05	13.75
87.5	6.784	9.380
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: