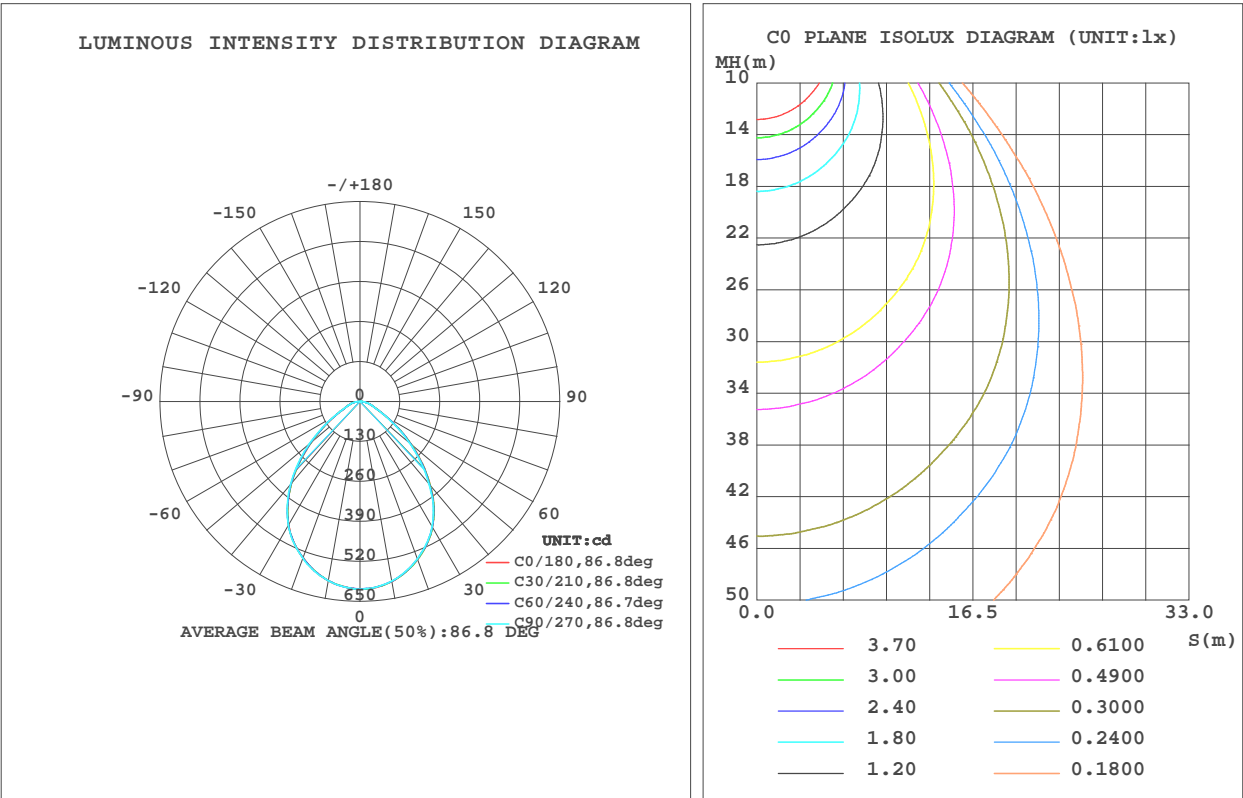


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.3V I:0.0952A P:10.88W PF:0.9495 Lamp Flux:1169.35x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 L-2700KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 L-2700KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 107.48 lm/W			
MODEL		Imax(cd)	610.1	S/MH(C0/180)	1.16
NOMINAL POWER(W)	10.88	LOR(%)	100.0	S/MH(C90/270)	1.15
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1169.4	h UP,DN(C0-180)	0.0,49.9
NOMINAL FLUX(lm)	1169.35	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,50.0
LAMPS INSIDE	1	h up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	h down(%)	99.9	CIBSE SHR MAX	1.25



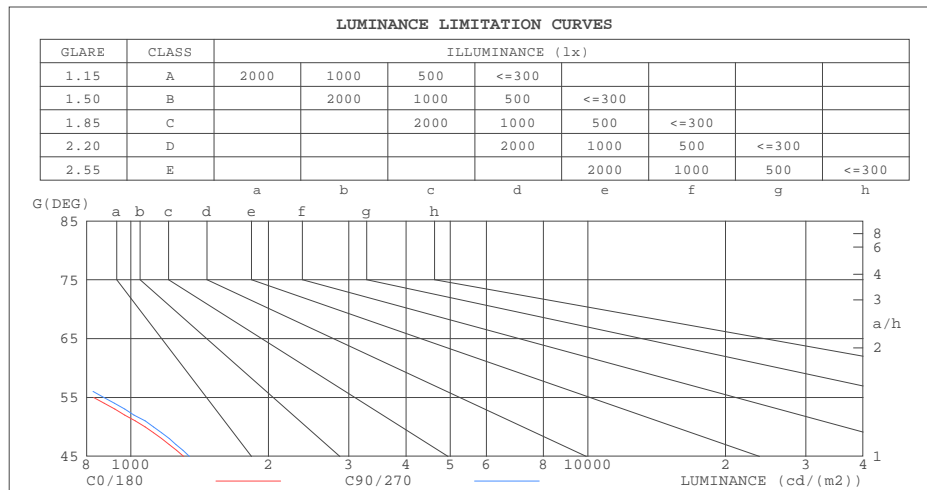
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-10-11

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.627m [K=1.0000]
Remarks: TRP-240925SHA-01_F172
T409251

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum
10	591.8	591.5	592.2	592.6	595.2	593.4	593.0	591.6	0~ 10	57.38	57.38	4.91
20	541.0	542.8	543.1	544.6	547.4	545.8	545.1	543.4	10~ 20	161.1	218.5	18.7
30	464.1	465.2	466.3	468.4	471.1	470.5	469.2	465.5	20~ 30	234.4	452.9	38.7
40	346.3	345.5	352.0	353.4	355.1	355.5	349.0	347.6	30~ 40	257.6	710.5	60.8
50	207.6	208.9	216.3	218.7	219.3	218.4	211.4	208.0	40~ 50	217.1	927.6	79.3
60	93.70	95.90	97.24	99.40	99.53	98.52	97.30	93.71	50~ 60	134.4	1062	90.8
70	43.22	43.02	43.08	43.70	43.64	43.29	43.32	42.95	60~ 70	64.09	1126	96.3
80	20.49	20.34	19.20	19.75	20.08	19.94	20.04	20.29	70~ 80	33.88	1160	99.2
90	0.0027	0	0	0	0	0	0	0	80~ 90	8.418	1168	99.9
100	0	0	0	0	0	0	0	0	90~100	0.0000	1168	99.9
110	0	0	0	0	0	0	0	0	100~110	0	1168	99.9
120	0	0	0	0	0	0	0	0	110~120	0	1168	99.9
130	0	0.0002	0	0.0000	0.0063	0	0.0187	0	120~130	0.0002	1168	99.9
140	0.1912	0.2653	0.1969	0.2528	0.2779	0.2219	0.2959	0.2403	130~140	0.0820	1169	99.9
150	0.4692	0.5303	0.4682	0.5241	0.5437	0.4930	0.5733	0.4991	140~150	0.2368	1169	99.9
160	0.6915	0.7646	0.7023	0.7583	0.7719	0.7210	0.7889	0.7456	150~160	0.2904	1169	100
170	0.8470	0.9125	0.8506	0.9123	0.9057	0.8568	0.9308	0.8689	160~170	0.2313	1169	100
180	0.9138	0.9494	0.9369	0.9614	0.9200	0.9432	0.9554	0.9553	170~180	0.0869	1169	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	307	228
80	393	369
75	420	409
70	421	420
65	485	491
60	624	649
55	829	874
50	1075	1122
45	1304	1343

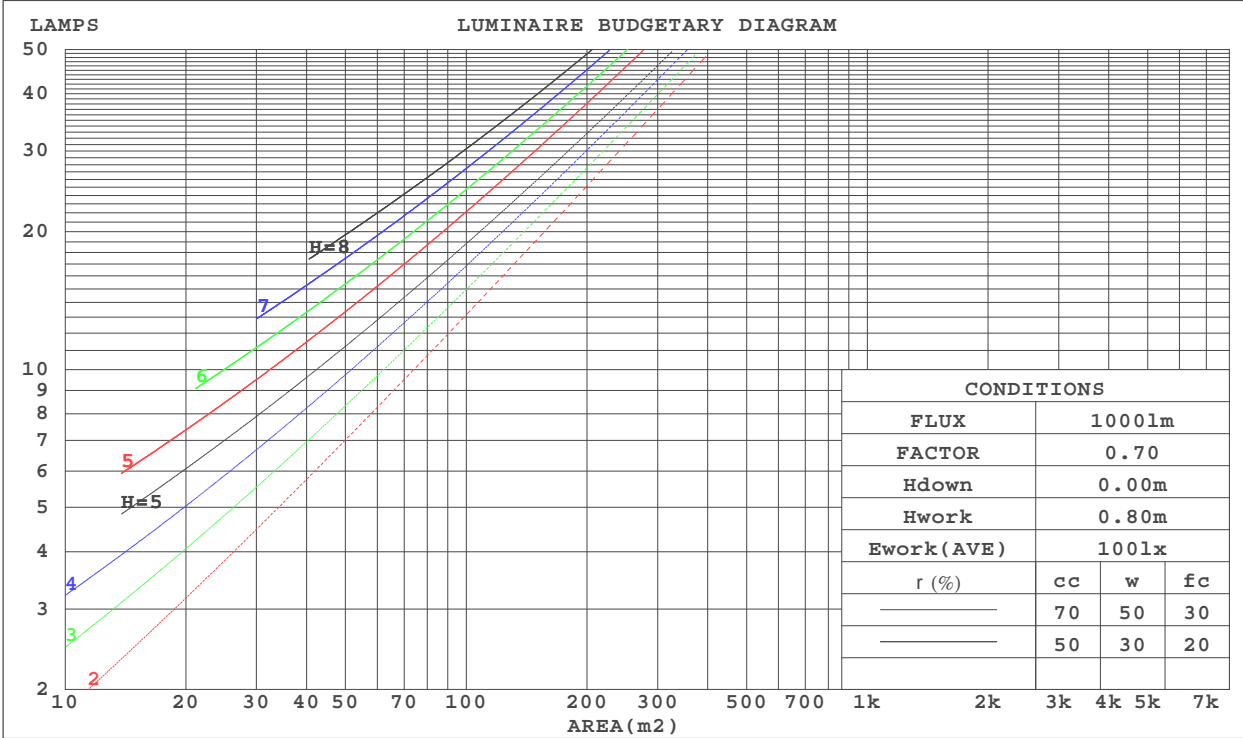
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-10-11

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.627m [K=1.0000]
Remarks: TRP-240925SHA-01_F172
T409251

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.3V I:0.0952A P:10.88W PF:0.9495 Lamp Flux:1169.35x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 L-2700KTYPE:LED		WEIGHT:
SPEC.:F172#Selectfit downlight 8寸手板样 L-2700KDIM.:		SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Aaron
 Test Date:2024-10-11

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:10.627m [K=1.0000]
 Remarks: TRP-240925SHA-01_F172
 T409251

WEC AND CCEC

Test:U:120.3V I:0.0952A P:10.88W PF:0.9495 Lamp Flux:1169.35x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 L-2700KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 L-2700KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)															
0.0																
1.0	.249	.142	.045	.242	.138	.044	.229	.132	.042	.217	.125	.040	.206	.120	.039	
2.0	.240	.131	.040	.234	.129	.040	.223	.124	.038	.212	.119	.037	.203	.115	.036	
3.0	.227	.121	.036	.221	.119	.036	.212	.115	.035	.202	.111	.034	.194	.107	.033	
4.0	.213	.111	.033	.209	.109	.032	.200	.106	.032	.192	.103	.031	.184	.100	.030	
5.0	.200	.102	.030	.196	.101	.029	.188	.098	.029	.181	.096	.028	.175	.093	.028	
6.0	.188	.094	.027	.185	.093	.027	.178	.091	.027	.171	.089	.026	.165	.087	.026	
7.0	.177	.088	.025	.174	.087	.025	.168	.085	.024	.162	.083	.024	.157	.082	.024	
8.0	.167	.082	.023	.165	.081	.023	.159	.079	.023	.154	.078	.022	.149	.077	.022	
9.0	.158	.077	.021	.156	.076	.021	.151	.075	.021	.146	.073	.021	.142	.072	.021	
10.0	.150	.072	.020	.148	.071	.020	.143	.070	.020	.139	.069	.020	.135	.068	.019	

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.177	.157	.140	.151	.135	.120	.103	.093	.083	.060	.054	.048	.019	.017	.016	
2.0	.166	.133	.105	.142	.114	.091	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.157	.115	.081	.134	.099	.070	.092	.069	.049	.053	.040	.029	.017	.013	.010	
4.0	.149	.101	.064	.127	.087	.056	.088	.061	.039	.051	.036	.023	.016	.012	.008	
5.0	.141	.090	.052	.121	.078	.045	.083	.054	.032	.048	.032	.019	.016	.010	.006	
6.0	.134	.081	.043	.115	.070	.038	.080	.049	.027	.046	.029	.016	.015	.009	.005	
7.0	.128	.074	.037	.110	.064	.032	.076	.045	.023	.044	.027	.014	.014	.009	.004	
8.0	.122	.068	.032	.105	.059	.028	.073	.042	.020	.042	.025	.012	.014	.008	.004	
9.0	.117	.064	.028	.100	.055	.024	.070	.039	.017	.041	.023	.010	.013	.008	.003	
10.0	.111	.059	.025	.096	.051	.021	.067	.036	.015	.039	.021	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-10-11

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.627m [K=1.0000]
Remarks: TRP-240925SHA-01_F172
T409251

UGR(Unified Glare Rating) Table

Test:U:120.3V I:0.0952A P:10.88W PF:0.9495 Lamp Flux:1169.35x1 lm										
NAME: F172#Selectfit downlight 8寸手板样 L-2700KTYPE:LED							WEIGHT:			
SPEC.:F172#Selectfit downlight 8寸手板样 L-2700KDIM.:							SERIAL No.:01			
MFR.: GREEN CREATIVE					SUR.:			PROTECTION ANGLE:		
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	11.4	12.8	11.7	13.0	13.1	11.6	12.9	11.8	13.1	13.3
3H	11.9	13.1	12.1	13.3	13.5	12.0	13.2	12.3	13.4	13.6
4H	12.1	13.2	12.4	13.5	13.7	12.2	13.3	12.5	13.6	13.8
6H	12.3	13.4	12.6	13.6	13.9	12.3	13.4	12.7	13.7	13.9
8H	12.3	13.4	12.7	13.6	13.9	12.4	13.4	12.7	13.7	14.0
12H	12.4	13.4	12.7	13.6	13.9	12.4	13.4	12.7	13.7	14.0
4H 2H	11.6	12.7	11.9	13.0	13.2	11.7	12.8	12.0	13.1	13.3
3H	12.2	13.1	12.5	13.4	13.7	12.3	13.2	12.6	13.5	13.8
4H	12.5	13.4	12.9	13.7	14.0	12.6	13.5	12.9	13.8	14.1
6H	12.8	13.6	13.2	14.0	14.3	12.9	13.7	13.3	14.0	14.4
8H	13.0	13.7	13.4	14.1	14.4	13.0	13.7	13.4	14.1	14.4
12H	13.0	13.7	13.4	14.1	14.5	13.0	13.7	13.4	14.0	14.4
8H 4H	12.6	13.3	13.0	13.7	14.1	12.7	13.4	13.1	13.8	14.1
6H	13.1	13.7	13.5	14.1	14.5	13.1	13.7	13.5	14.1	14.5
8H	13.2	13.8	13.7	14.2	14.7	13.2	13.8	13.7	14.2	14.6
12H	13.4	13.8	13.8	14.3	14.8	13.3	13.8	13.8	14.2	14.7
12H 4H	12.6	13.3	13.0	13.6	14.0	12.7	13.3	13.1	13.7	14.1
6H	13.1	13.6	13.5	14.0	14.5	13.1	13.6	13.6	14.1	14.5
8H	13.3	13.8	13.8	14.2	14.7	13.3	13.7	13.7	14.2	14.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.8					+ 0.6 / - 0.8				
1.5H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				
2.0H	+ 1.4 / - 1.3					+ 1.5 / - 1.4				

CIE Pub.117 Corrected 1169 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.5)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-10-11

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.627m [K=1.0000]
Remarks: TRP-240925SHA-01_F172
T409251

UTILIZATION FACTORS TABLE

Test:U:120.3V I:0.0952A P:10.88W PF:0.9495 Lamp Flux:1169.35x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 L-2700KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 L-2700KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

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	67	57	51	66	57	51	65	56	51	45
0.80	77	67	61	76	67	61	74	66	60	54
1.00	85	76	70	84	75	69	82	76	69	63
1.25	91	83	77	90	82	76	87	81	76	70
1.50	95	87	82	94	87	81	91	85	80	74
2.00	101	94	89	99	93	88	96	91	87	80
2.50	104	98	93	102	96	92	98	94	90	83
3.00	106	101	97	104	99	95	101	97	93	86
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	103	104	102	99	91
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Aaron
 Test Date:2024-10-11

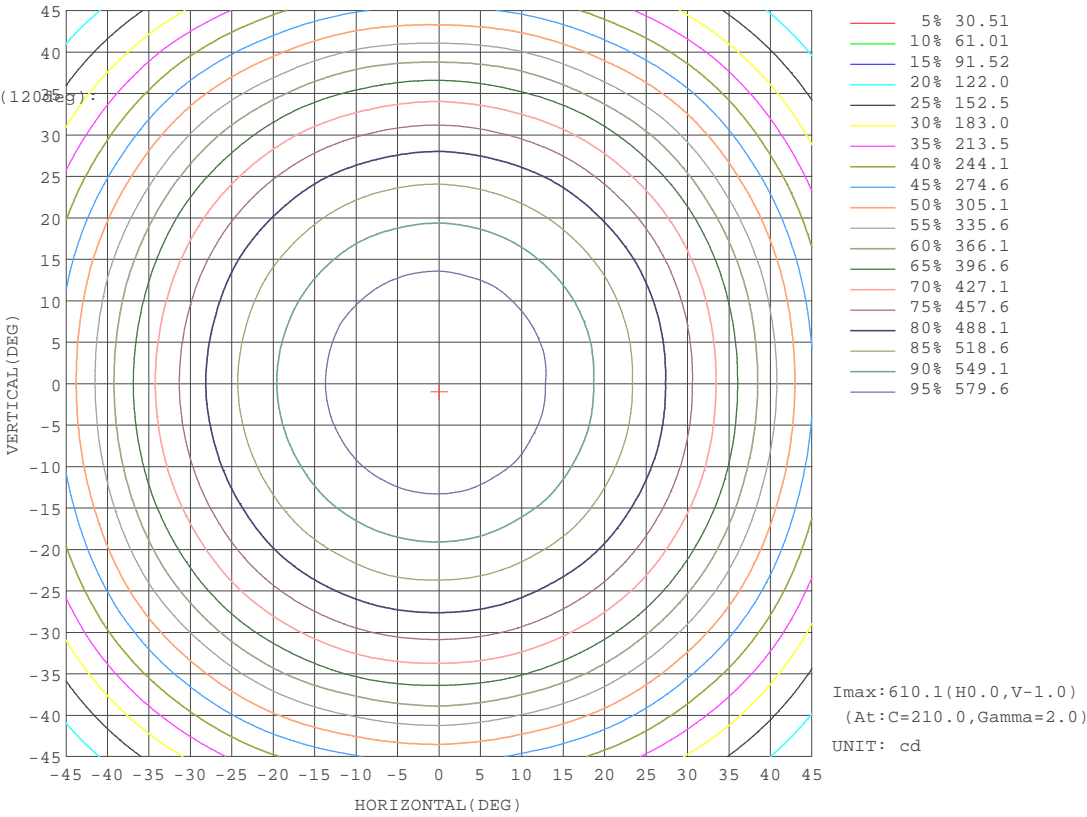
g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:10.627m [K=1.0000]
 Remarks: TRP-240925SHA-01_F172
 T409251

ISOCANDELA DIAGRAM

Test:U:120.3V I:0.0952A P:10.88W PF:0.9495 Lamp Flux:1169.35x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 L-2700KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 L-2700KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):
827.63 lm
%lum = 70.8%
%lamp = 70.8%

Conical surface Flux(120deg):
1062 lm
%lum = 90.8%
%lamp = 90.8%

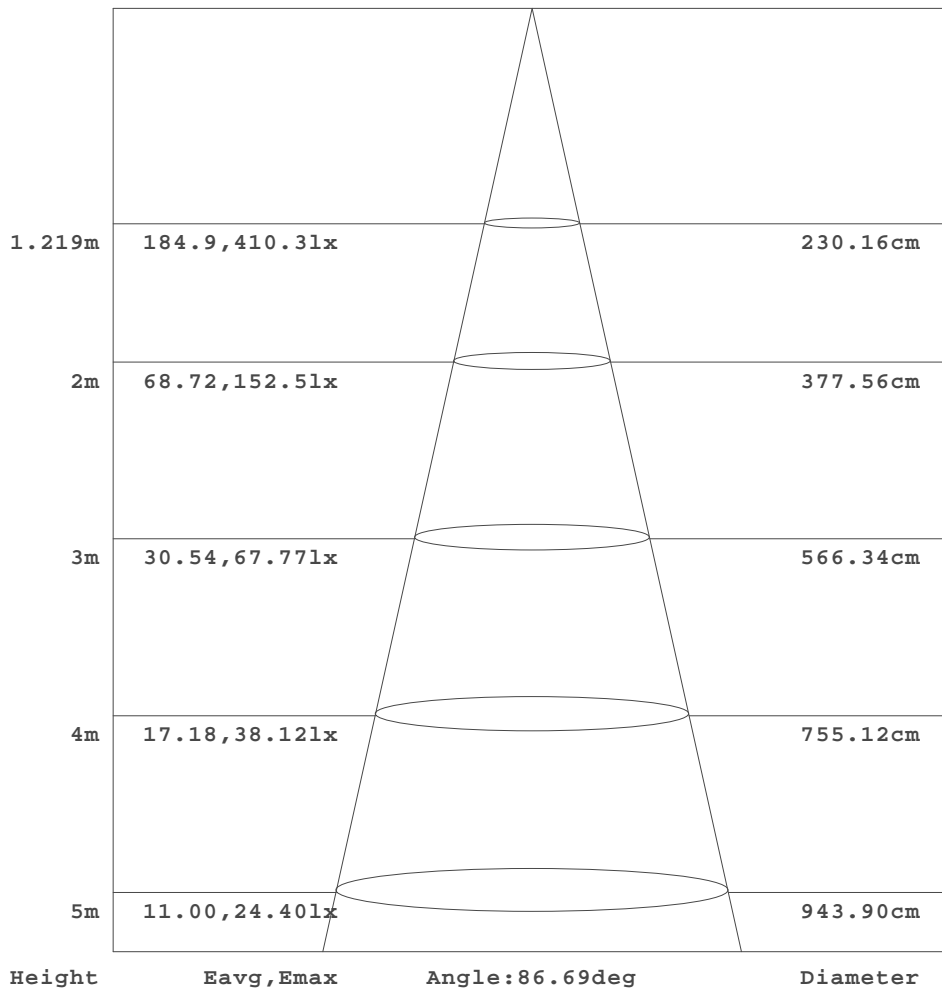


C Range: 0 - 360DEG	g Range: 0 - 180DEG
C Interval: 15.0DEG	g Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Temperature:25.3DEG	Humidity:65.0%
Operators:Aaron	Test Distance:10.627m [K=1.0000]
Test Date:2024-10-11	Remarks: TRP-240925SHA-01_F172
	T409251

AAI Figure

Test:U:120.3V I:0.0952A P:10.88W PF:0.9495 Lamp Flux:1169.35x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 L-2700KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 L-2700KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:805.4 lm



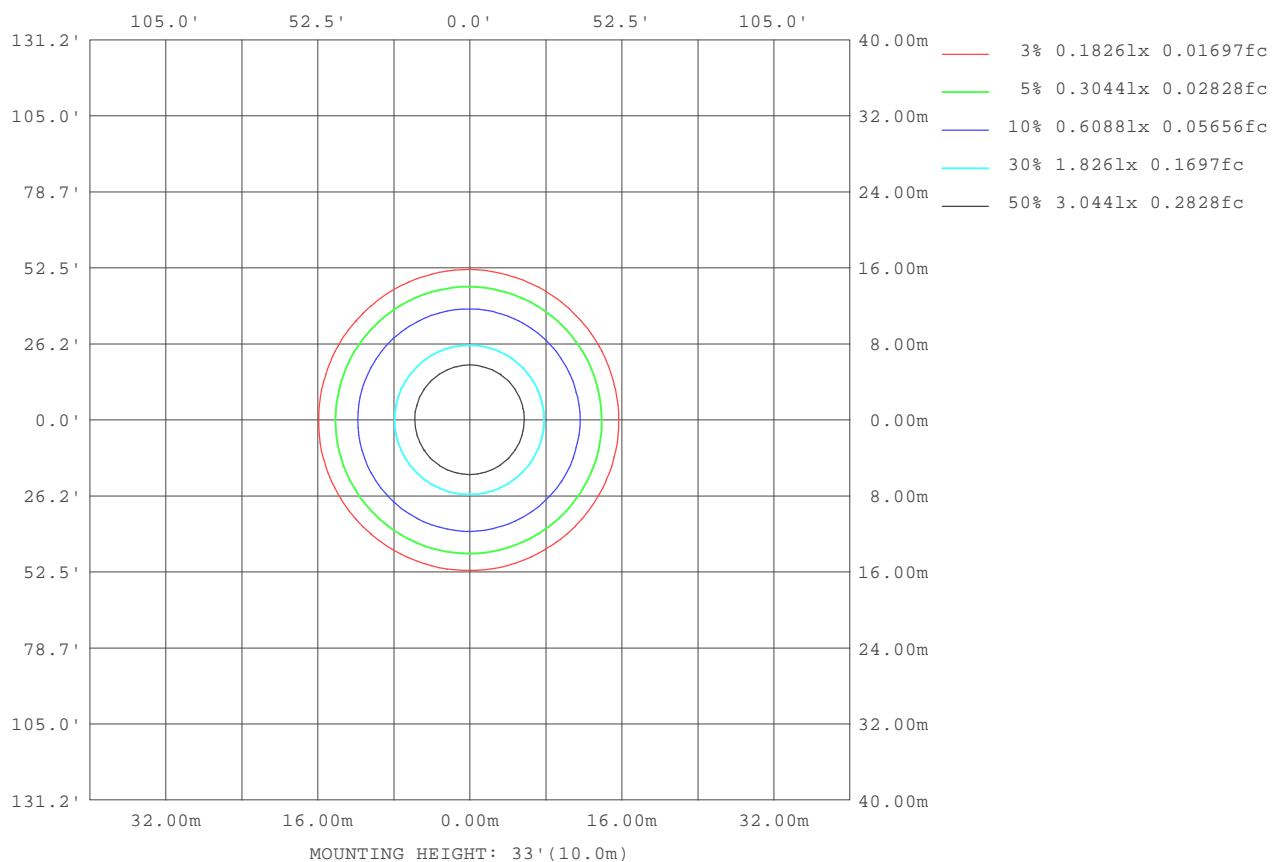
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-10-11

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.627m [K=1.0000]
Remarks: TRP-240925SHA-01_F172
T409251

ISOLUX DIAGRAM

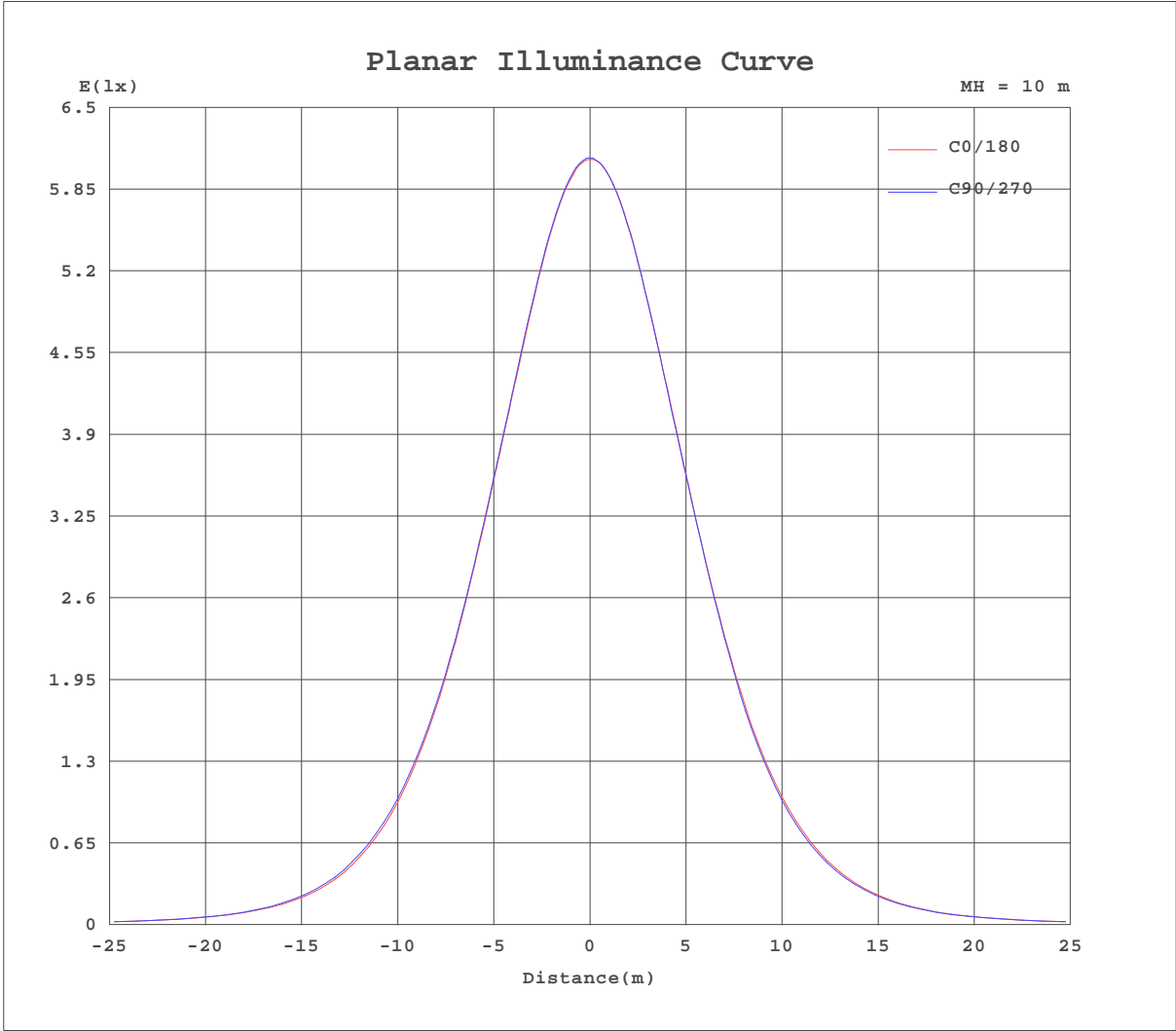
Test:U:120.3V I:0.0952A P:10.88W PF:0.9495 Lamp Flux:1169.35x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 L-2700KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 L-2700KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-10-11

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.627m [K=1.0000]
Remarks: TRP-240925SHA-01_F172
T409251

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-10-11

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.627m [K=1.0000]
Remarks: TRP-240925SHA-01_F172
T409251