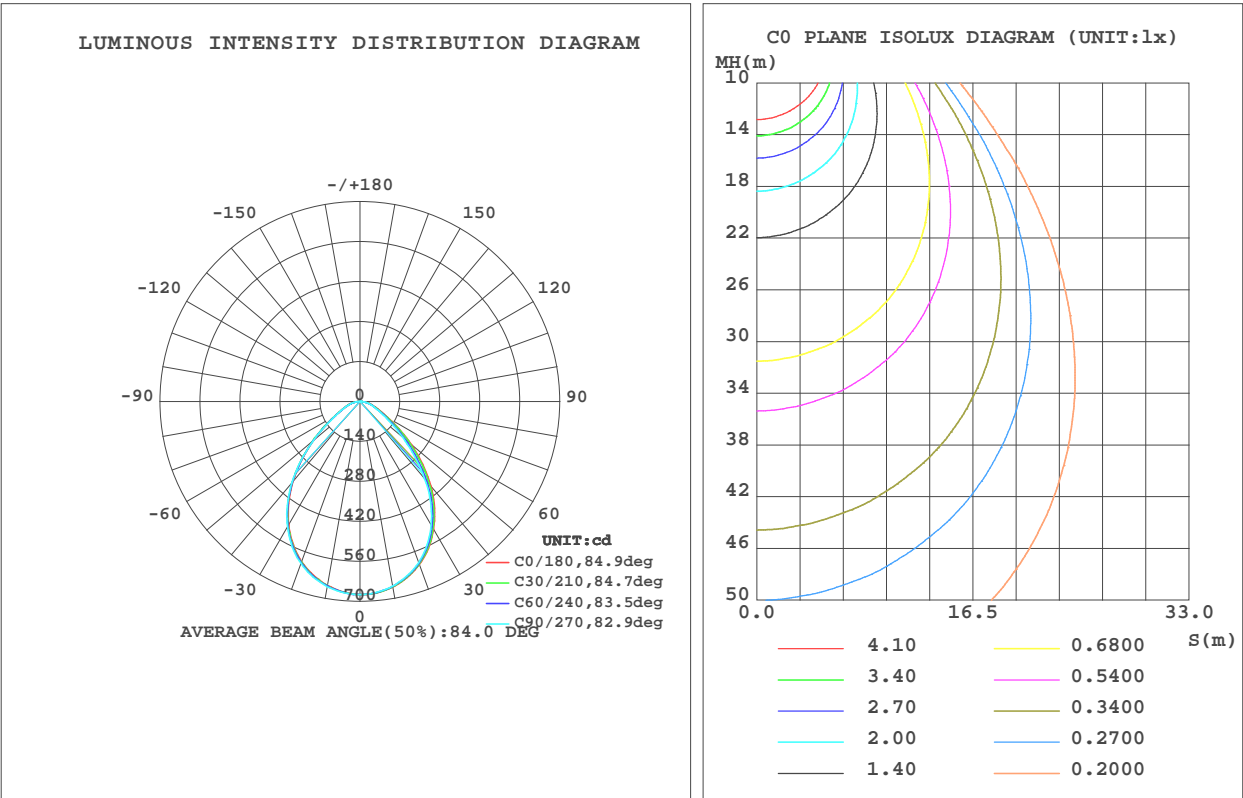


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.2V I:0.1054A P:11.80W PF:0.9339 Lamp Flux:1256.39x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 M-2700KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 M-2700KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 106.47 lm/W			
MODEL		Imax(cd)	676.8	S/MH(C0/180)	1.15
NOMINAL POWER(W)	11.8	LOR(%)	100.0	S/MH(C90/270)	1.12
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1256.4	h UP,DN(C0-180)	0.0,50.4
NOMINAL FLUX(lm)	1256.39	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,49.5
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



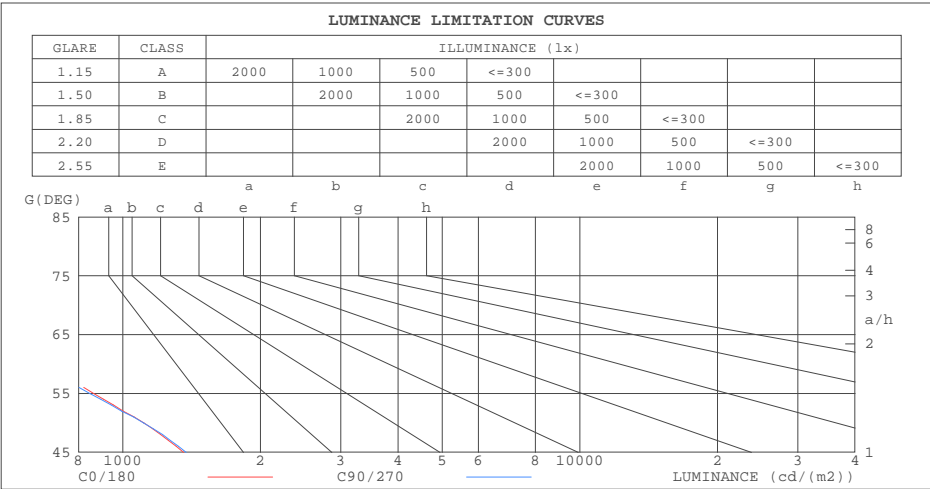
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-14

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-240913SHA-02_F172
T409132

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	654.7	656.1	658.5	658.4	660.1	657.2	656.2	653.9	0~ 10	63.61	63.61	5.06
20	597.4	601.3	604.1	606.7	607.9	604.1	600.8	597.7	10~ 20	178.5	242.1	19.3
30	499.1	504.6	507.6	515.2	516.5	508.1	499.3	498.0	20~ 30	256.8	498.9	39.7
40	364.5	368.6	371.5	386.5	388.2	373.6	351.3	358.4	30~ 40	275.3	774.2	61.6
50	214.6	216.8	214.3	232.4	235.5	221.6	196.0	205.8	40~ 50	224.7	998.9	79.5
60	101.9	102.4	98.66	109.7	113.0	103.5	93.07	95.83	50~ 60	136.7	1136	90.4
70	52.01	50.70	50.13	52.93	55.14	51.56	49.26	49.48	60~ 70	72.37	1208	96.1
80	23.16	21.69	19.97	23.12	23.25	22.45	20.27	21.62	70~ 80	39.03	1247	99.2
90	0	0	0	0	0	0	0	0	80~ 90	8.353	1255	99.9
100	0	0	0	0	0	0	0	0	90~100	0	1255	99.9
110	0	0	0	0	0	0	0	0	100~110	0	1255	99.9
120	0	0	0	0	0	0	0	0	110~120	0	1255	99.9
130	0	0.0374	0	0	0.0371	0	0.0619	0.0429	120~130	0.0018	1255	99.9
140	0.2528	0.3211	0.2342	0.2405	0.3333	0.2465	0.3582	0.3145	130~140	0.1082	1255	99.9
150	0.5490	0.6353	0.5424	0.5432	0.6172	0.5607	0.6661	0.6042	140~150	0.2731	1256	99.9
160	0.8325	0.8815	0.8258	0.8142	0.8762	0.8504	0.9189	0.8572	150~160	0.3311	1256	100
170	0.9685	1.045	0.9744	1.012	1.024	0.9923	1.045	0.9867	160~170	0.2637	1256	100
180	1.055	1.066	1.061	1.061	1.043	1.060	1.067	1.042	170~180	0.0988	1256	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	292	158
80	444	383
75	494	456
70	507	489
65	569	543
60	679	658
55	864	847
50	1112	1111
45	1360	1375

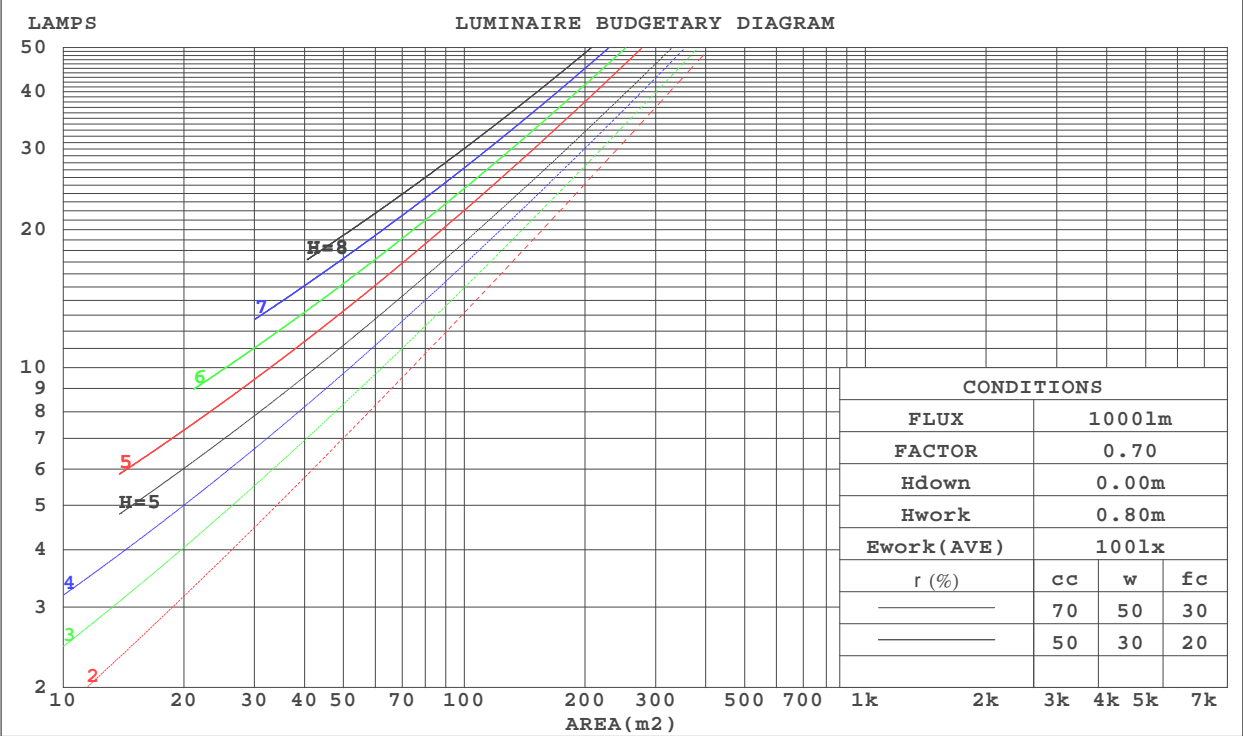
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-14

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-240913SHA-02_F172
T409132

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.2V I:0.1054A P:11.80W PF:0.9339 Lamp Flux:1256.39x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 M-2700KTYPE:LED		WEIGHT:
SPEC.:F172#Selectfit downlight 6寸手板样 M-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			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	.00
1.0	1.07	1.04	1.00	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.96	.90	.86	.94	.89	.85	.91	.86	.83	.87	.84	.81	.85	.82	.79	.77
3.0	.86	.79	.74	.85	.78	.73	.82	.76	.72	.79	.75	.71	.77	.73	.70	.68
4.0	.78	.70	.65	.77	.70	.64	.74	.68	.63	.72	.67	.63	.70	.65	.62	.60
5.0	.71	.63	.57	.70	.62	.57	.68	.61	.56	.66	.60	.56	.64	.59	.55	.53
6.0	.65	.57	.51	.64	.56	.51	.62	.55	.50	.60	.55	.50	.59	.54	.50	.48
7.0	.59	.51	.46	.58	.51	.46	.57	.50	.45	.56	.50	.45	.54	.49	.45	.43
8.0	.55	.47	.42	.54	.47	.42	.53	.46	.41	.51	.45	.41	.50	.45	.41	.39
9.0	.50	.43	.38	.50	.43	.38	.49	.42	.38	.48	.42	.38	.47	.41	.37	.36
10.0	.47	.40	.35	.46	.39	.35	.45	.39	.35	.45	.39	.34	.44	.38	.34	.33



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-14

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-240913SHA-02_F172
T409132

WEC AND CCEC

Test:U:120.2V I:0.1054A P:11.80W PF:0.9339 Lamp Flux:1256.39x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 M-2700KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 M-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	.131	.042	.217	.125	.040	.206	.119	.038	
2.0	.239	.131	.040	.233	.129	.040	.222	.123	.038	.212	.119	.037	.202	.114	.036	
3.0	.226	.120	.036	.221	.118	.036	.211	.114	.035	.202	.111	.034	.193	.107	.033	
4.0	.212	.110	.032	.208	.109	.032	.199	.106	.032	.191	.103	.031	.183	.100	.030	
5.0	.199	.102	.029	.195	.100	.029	.188	.098	.029	.180	.095	.028	.174	.093	.028	
6.0	.187	.094	.027	.184	.093	.027	.177	.091	.026	.171	.089	.026	.165	.087	.026	
7.0	.176	.087	.025	.173	.086	.025	.167	.085	.024	.161	.083	.024	.156	.081	.024	
8.0	.167	.081	.023	.164	.081	.023	.158	.079	.023	.153	.078	.022	.148	.076	.022	
9.0	.158	.076	.021	.155	.075	.021	.150	.074	.021	.145	.073	.021	.141	.072	.021	
10.0	.149	.072	.020	.147	.071	.020	.142	.070	.020	.138	.069	.020	.134	.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	.148	.101	.064	.127	.087	.056	.088	.061	.039	.051	.036	.023	.016	.012	.008	
5.0	.141	.090	.052	.121	.078	.046	.083	.054	.032	.048	.032	.019	.016	.010	.006	
6.0	.134	.081	.044	.115	.070	.038	.079	.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	.116	.063	.028	.100	.055	.024	.069	.039	.017	.040	.023	.010	.013	.008	.003	
10.0	.111	.059	.025	.096	.051	.022	.066	.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:2024-09-14

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-240913SHA-02_F172
 T409132

UGR(Unified Glare Rating) Table

Test:U:120.2V I:0.1054A P:11.80W PF:0.9339 Lamp Flux:1256.39x1 lm										
NAME: F172#Selectfit downlight 6寸手板样 M-2700KTYPE:LED							WEIGHT:			
SPEC.:F172#Selectfit downlight 6寸手板样 M-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	11.6	12.9	11.9	13.1	13.3	11.5	12.8	11.8	13.0	13.2
3H	12.2	13.4	12.5	13.6	13.8	12.0	13.2	12.3	13.5	13.7
4H	12.5	13.6	12.8	13.8	14.1	12.3	13.4	12.6	13.7	13.9
6H	12.7	13.8	13.0	14.0	14.3	12.5	13.5	12.8	13.8	14.1
8H	12.7	13.8	13.1	14.0	14.3	12.5	13.5	12.8	13.8	14.1
12H	12.8	13.7	13.1	14.0	14.3	12.5	13.5	12.8	13.7	14.0
4H 2H	11.8	12.9	12.1	13.2	13.4	11.7	12.8	12.0	13.1	13.3
3H	12.5	13.5	12.9	13.8	14.1	12.4	13.4	12.7	13.7	14.0
4H	12.9	13.8	13.3	14.2	14.5	12.8	13.7	13.1	14.0	14.3
6H	13.3	14.1	13.7	14.4	14.8	13.1	13.8	13.4	14.2	14.5
8H	13.4	14.2	13.8	14.5	14.9	13.1	13.9	13.5	14.2	14.6
12H	13.5	14.1	13.9	14.5	14.9	13.1	13.8	13.5	14.2	14.6
8H 4H	13.1	13.8	13.5	14.1	14.5	12.9	13.6	13.3	14.0	14.4
6H	13.5	14.1	14.0	14.5	15.0	13.3	13.9	13.7	14.3	14.7
8H	13.7	14.2	14.2	14.7	15.1	13.4	13.9	13.9	14.4	14.8
12H	13.8	14.3	14.3	14.7	15.2	13.4	13.9	13.9	14.3	14.8
12H 4H	13.0	13.7	13.5	14.1	14.5	12.9	13.6	13.3	13.9	14.3
6H	13.6	14.1	14.0	14.5	15.0	13.3	13.8	13.8	14.3	14.7
8H	13.8	14.2	14.2	14.7	15.1	13.4	13.9	13.9	14.3	14.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.7					+ 0.6 / - 0.8				
1.5H	+ 0.3 / - 0.4					+ 0.4 / - 0.4				
2.0H	+ 1.3 / - 1.0					+ 1.4 / - 1.1				

CIE Pub.117 Corrected 1256 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.8)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-14

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-240913SHA-02_F172
T409132

UTILIZATION FACTORS TABLE

Test:U:120.2V I:0.1054A P:11.80W PF:0.9339 Lamp Flux:1256.39x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 M-2700K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 6寸手板样 M-2700K	DIM.:	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) x RCR = 5									
k = 0.60	67	58	52	67	57	52	66	57	51	46
0.80	77	68	62	76	67	61	75	66	61	55
1.00	85	76	70	84	75	70	82	76	69	63
1.25	91	83	77	90	82	77	87	81	76	70
1.50	95	88	82	94	87	82	91	85	81	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	96	101	97	93	86
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	106	103	105	102	100	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:2024-09-14

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-240913SHA-02_F172
T409132

ISOCANDELA DIAGRAM

Test:U:120.2V I:0.1054A P:11.80W PF:0.9339 Lamp Flux:1256.39x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 M-2700KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 M-2700KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

896.5 lm

%lum = 71.4%

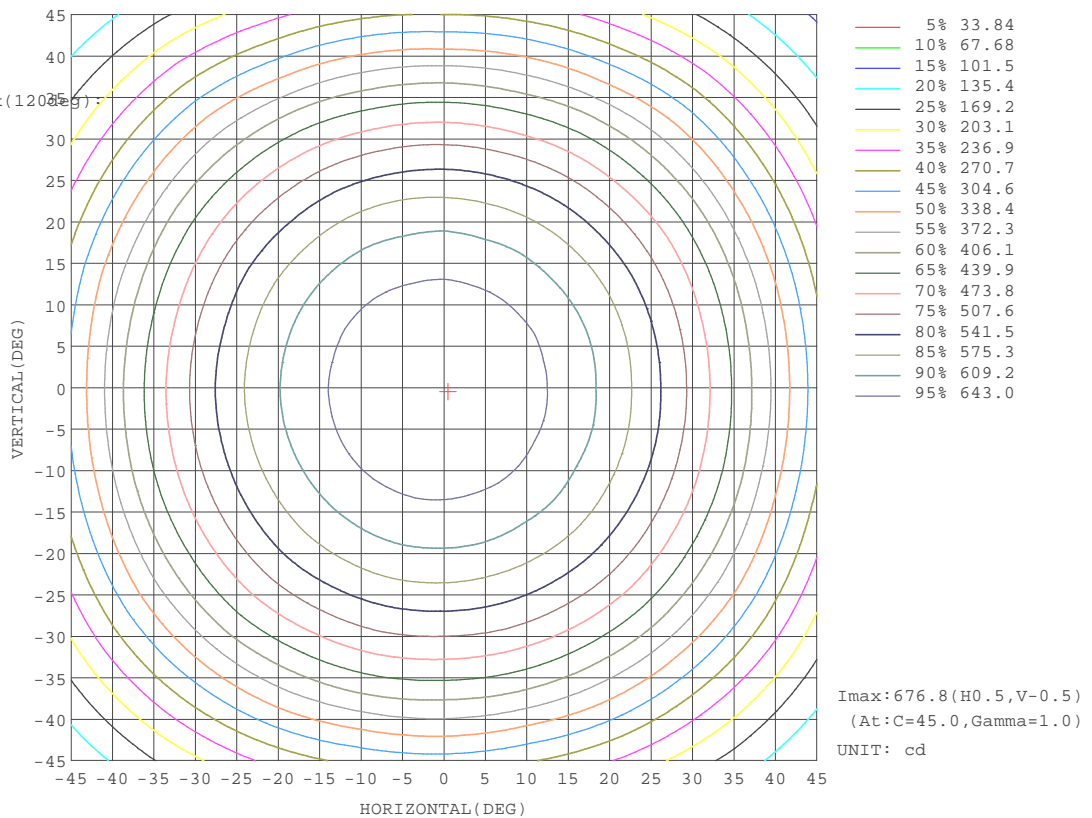
%lamp = 71.4%

Conical surface Flux(120deg):

1135.6 lm

%lum = 90.4%

%lamp = 90.4%



C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Aaron

Test Date:2024-09-14

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]

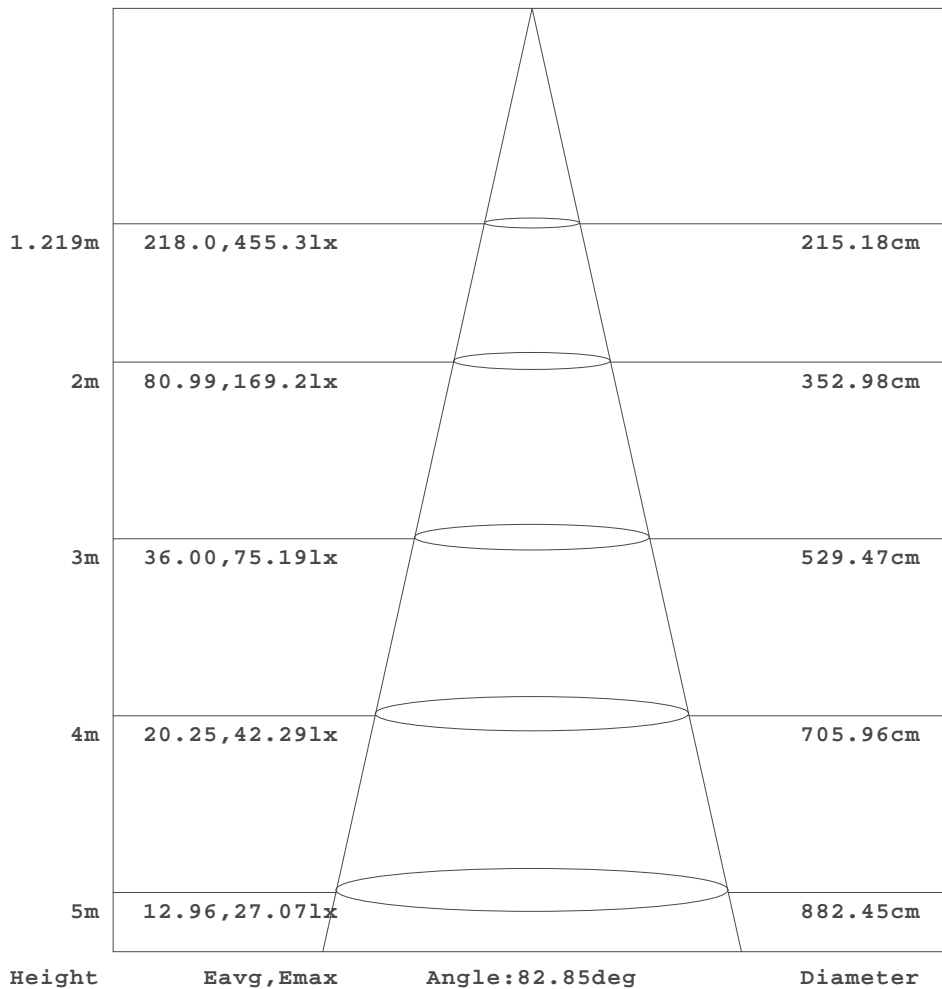
Remarks: TRP-240913SHA-02_F172

T409132

AAI Figure

Test:U:120.2V I:0.1054A P:11.80W PF:0.9339 Lamp Flux:1256.39x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 M-2700KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 M-2700KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:825.2 lm



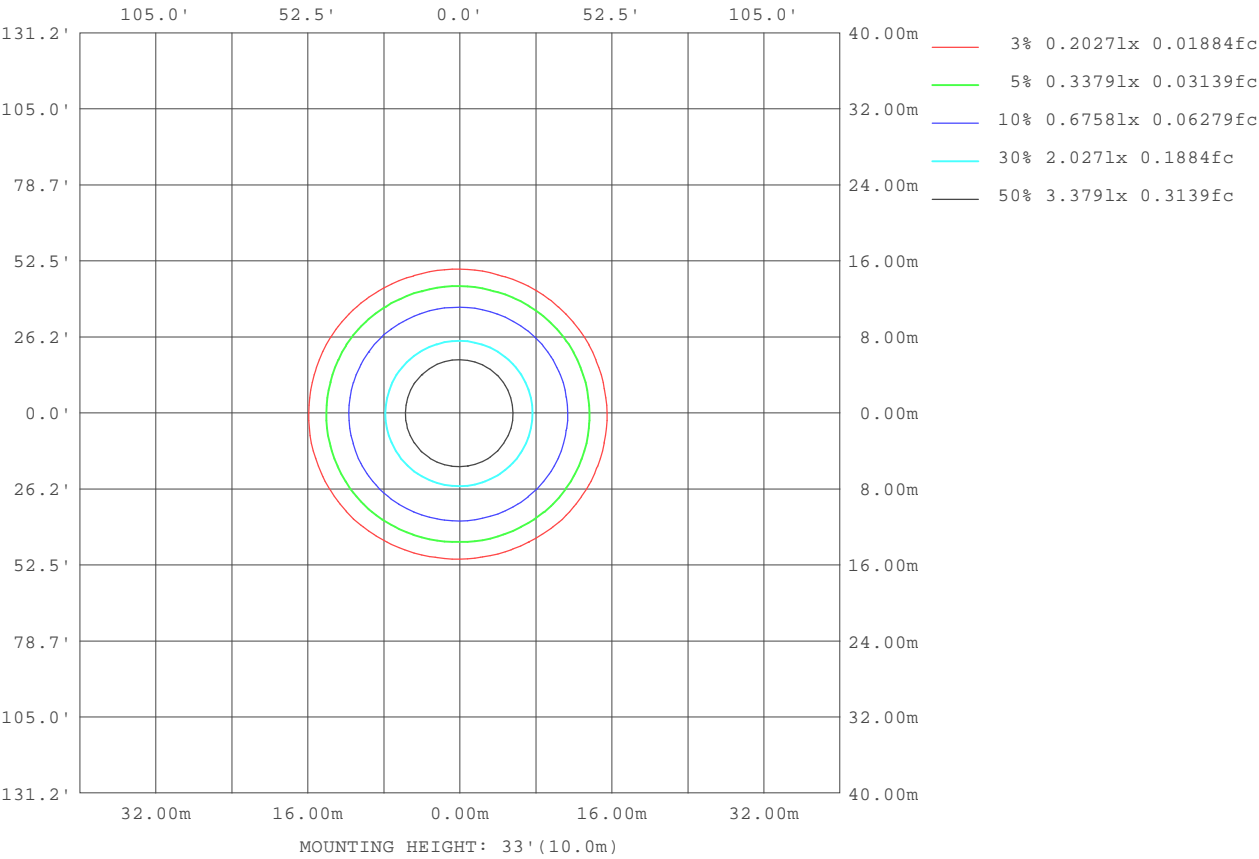
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-14

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-240913SHA-02_F172
T409132

ISOLUX DIAGRAM

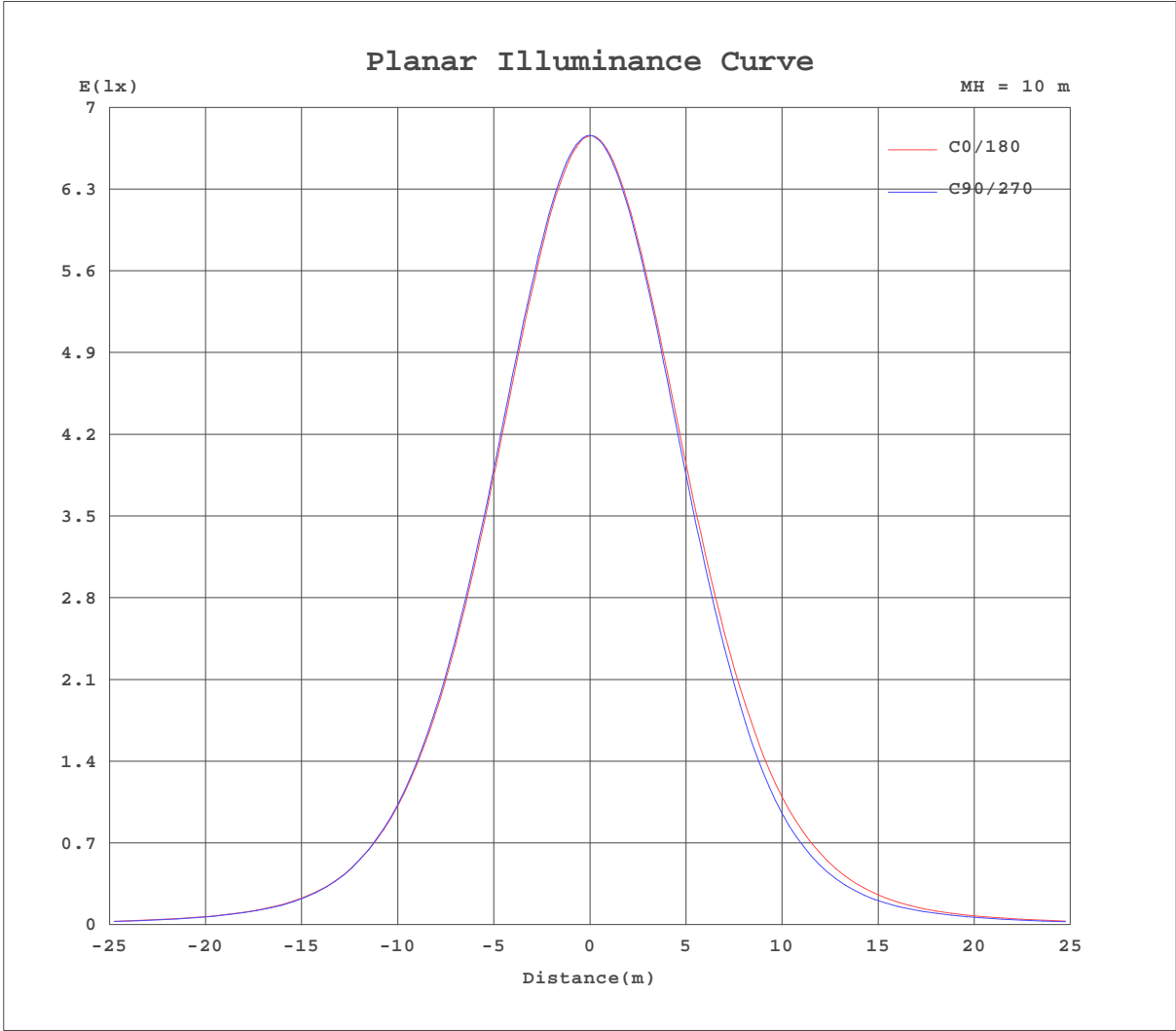
Test:U:120.2V I:0.1054A P:11.80W PF:0.9339 Lamp Flux:1256.39x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 M-2700KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 M-2700KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-14

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-240913SHA-02_F172
T409132

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-14

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-240913SHA-02_F172
T409132