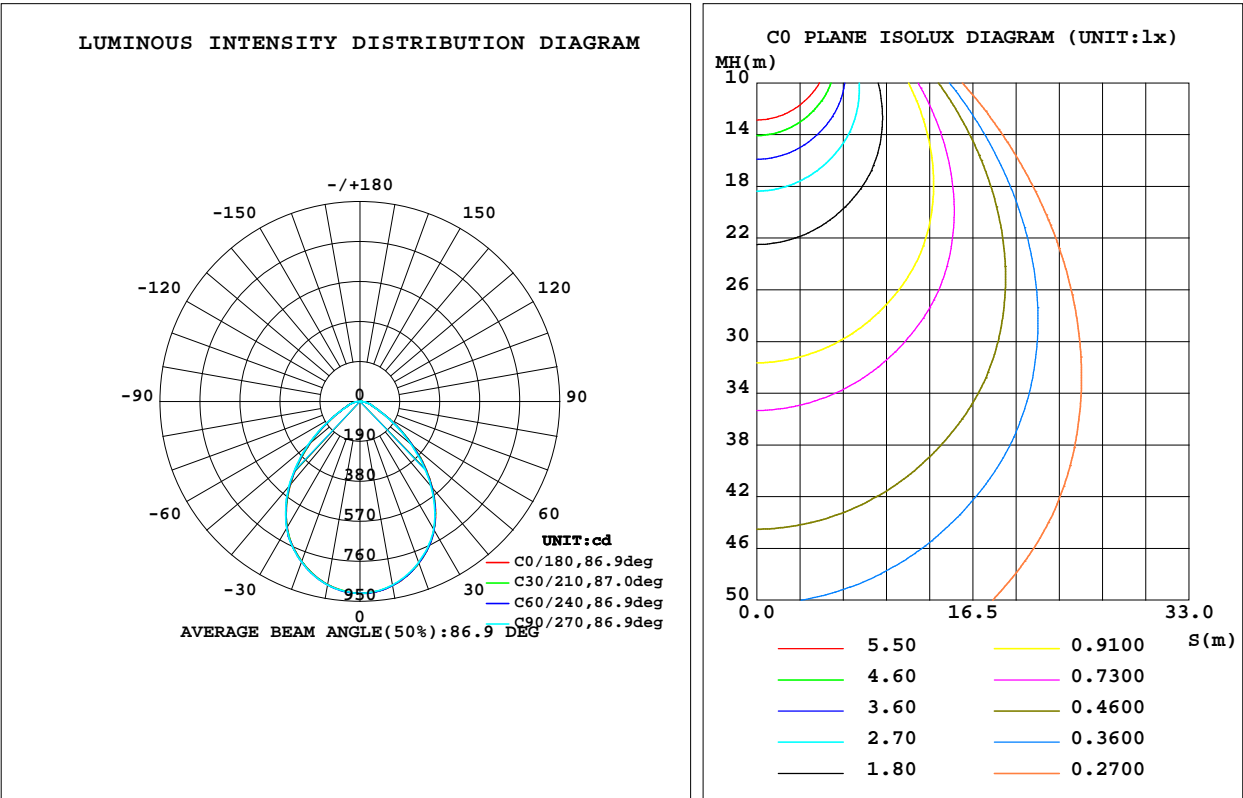


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.2V I:0.1311A P:15.30W PF:0.9706 Lamp Flux:1752.92x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-4000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 M-4000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 114.57 lm/W			
MODEL		Imax(cd)	912.1	S/MH(C0/180)	1.16
NOMINAL POWER(W)	15.3	LOR(%)	100.0	S/MH(C90/270)	1.15
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1752.9	h UP,DN(C0-180)	0.1,49.9
NOMINAL FLUX(lm)	1752.92	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,50.0
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



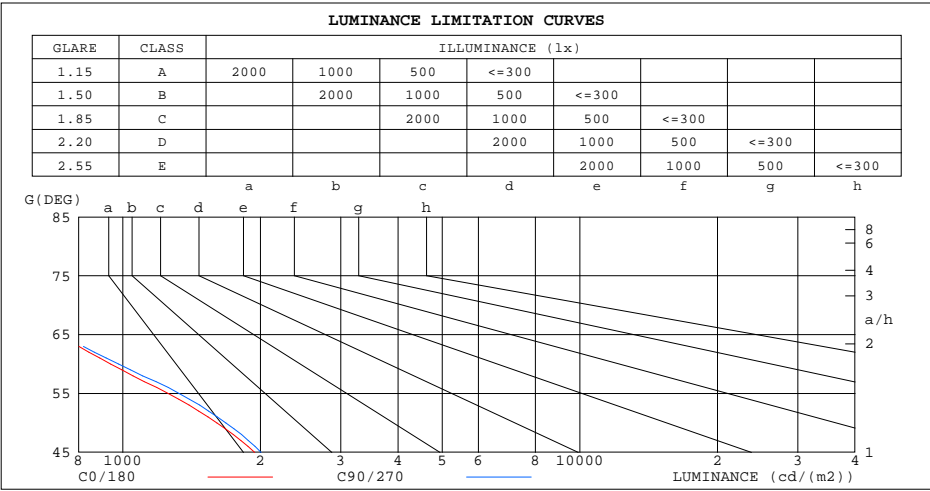
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-10-11

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	883.5	885.5	885.3	887.5	888.3	887.3	886.3	885.6	0- 10	85.79	85.79	4.89
20	808.9	811.6	811.8	815.1	818.0	816.9	813.7	811.9	10- 20	240.8	326.6	18.6
30	692.6	695.9	696.4	701.5	704.3	703.9	699.6	696.5	20- 30	350.4	677.0	38.6
40	515.3	519.6	525.0	533.0	535.7	531.3	524.8	517.7	30- 40	384.7	1062	60.6
50	309.9	313.4	323.6	328.5	329.6	328.3	316.8	311.0	40- 50	325.8	1387	79.2
60	141.1	144.5	146.6	150.3	150.5	149.5	147.0	141.2	50- 60	202.7	1590	90.7
70	64.79	64.68	64.70	65.67	65.61	65.25	65.14	64.62	60- 70	96.69	1687	96.2
80	30.87	30.74	28.92	29.89	30.38	30.16	30.34	30.67	70- 80	51.00	1738	99.1
90	0.0013	0	0	0	0	0	0	0	80- 90	12.86	1751	99.9
100	0	0	0	0	0	0	0	0	90-100	0.0000	1751	99.9
110	0	0	0	0	0	0	0	0	100-110	0	1751	99.9
120	0	0	0	0	0	0	0	0	110-120	0	1751	99.9
130	0.2029	0.2720	0.2031	0.2530	0.2963	0.2525	0.3145	0.2527	120-130	0.0799	1751	99.9
140	0.6346	0.6912	0.6153	0.6485	0.7035	0.6475	0.7273	0.6663	130-140	0.3505	1751	99.9
150	1.029	1.092	1.022	1.068	1.104	1.054	1.133	1.073	140-150	0.5437	1752	99.9
160	1.357	1.425	1.367	1.407	1.437	1.393	1.460	1.400	150-160	0.5732	1752	100
170	1.585	1.659	1.595	1.648	1.665	1.628	1.660	1.641	160-170	0.4303	1753	100
180	1.671	1.684	1.675	1.684	1.671	1.696	1.681	1.684	170-180	0.1579	1753	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	469	353
80	592	556
75	631	615
70	631	631
65	730	739
60	941	979
55	1258	1328
50	1607	1680
45	1945	2008

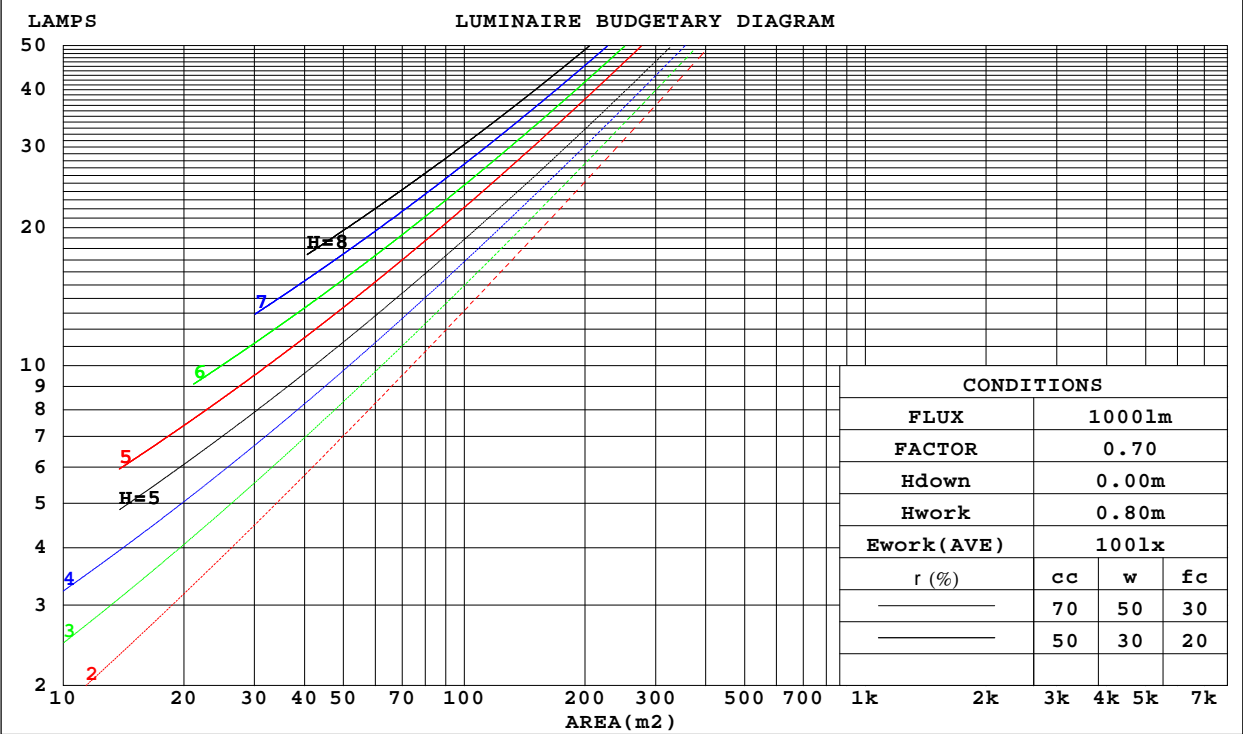
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-10-11

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:120.2V I:0.1311A P:15.30W PF:0.9706 Lamp Flux:1752.92x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-4000KTYPE:LED		WEIGHT:
SPEC.:F172#Selectfit downlight 8寸手板样 M-4000KDIM.:		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:120.2V I:0.1311A P:15.30W PF:0.9706 Lamp Flux:1752.92x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-4000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 M-4000KDIM.:	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	.250	.142	.045	.243	.139	.044	.230	.132	.042	.218	.126	.040	.207	.120	.039	
2.0	.240	.132	.040	.234	.129	.040	.223	.124	.039	.213	.119	.037	.203	.115	.036	
3.0	.227	.121	.036	.222	.119	.036	.212	.115	.035	.203	.111	.034	.194	.108	.033	
4.0	.213	.111	.033	.209	.109	.032	.200	.106	.032	.192	.103	.031	.184	.100	.031	
5.0	.200	.102	.030	.196	.101	.029	.189	.098	.029	.181	.096	.028	.175	.093	.028	
6.0	.189	.095	.027	.185	.093	.027	.178	.091	.027	.172	.089	.026	.166	.087	.026	
7.0	.178	.088	.025	.174	.087	.025	.168	.085	.024	.162	.083	.024	.157	.082	.024	
8.0	.168	.082	.023	.165	.081	.023	.159	.080	.023	.154	.078	.023	.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	.020	

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	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.177	.158	.140	.152	.135	.121	.104	.093	.083	.060	.054	.048	.019	.017	.016	
2.0	.166	.133	.105	.142	.115	.091	.098	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.157	.115	.081	.135	.099	.071	.092	.069	.049	.053	.040	.029	.017	.013	.010	
4.0	.149	.101	.065	.128	.087	.056	.088	.061	.040	.051	.036	.023	.016	.012	.008	
5.0	.142	.090	.053	.122	.078	.046	.084	.055	.032	.049	.032	.019	.016	.010	.006	
6.0	.135	.082	.044	.116	.071	.038	.080	.050	.027	.046	.029	.016	.015	.010	.005	
7.0	.128	.075	.037	.110	.065	.032	.076	.045	.023	.044	.027	.014	.014	.009	.005	
8.0	.122	.069	.032	.105	.060	.028	.073	.042	.020	.042	.025	.012	.014	.008	.004	
9.0	.117	.064	.028	.101	.055	.024	.070	.039	.017	.041	.023	.010	.013	.008	.003	
10.0	.112	.060	.025	.096	.052	.022	.067	.036	.015	.039	.022	.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:120.2V I:0.1311A P:15.30W PF:0.9706 Lamp Flux:1752.92x1 lm										
NAME: F172#Selectfit downlight 8寸手板样 M-4000KTYPE:LED								WEIGHT:		
SPEC.:F172#Selectfit downlight 8寸手板样 M-4000KDIM.:								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	12.9	14.2	13.1	14.4	14.6	13.0	14.3	13.3	14.5	14.7
3H	13.3	14.5	13.6	14.7	14.9	13.4	14.6	13.7	14.8	15.1
4H	13.5	14.6	13.8	14.9	15.1	13.6	14.7	13.9	15.0	15.2
6H	13.7	14.8	14.0	15.0	15.3	13.8	14.8	14.1	15.1	15.4
8H	13.8	14.8	14.1	15.1	15.3	13.8	14.8	14.1	15.1	15.4
12H	13.8	14.8	14.1	15.1	15.4	13.8	14.8	14.2	15.1	15.4
4H 2H	13.0	14.1	13.3	14.4	14.6	13.1	14.3	13.4	14.5	14.8
3H	13.6	14.6	13.9	14.8	15.1	13.7	14.7	14.0	15.0	15.3
4H	13.9	14.8	14.3	15.1	15.5	14.0	14.9	14.4	15.2	15.5
6H	14.3	15.1	14.7	15.4	15.8	14.3	15.1	14.7	15.4	15.8
8H	14.4	15.1	14.8	15.5	15.9	14.4	15.1	14.8	15.5	15.9
12H	14.4	15.1	14.9	15.5	15.9	14.4	15.1	14.8	15.5	15.9
8H 4H	14.0	14.8	14.4	15.1	15.5	14.1	14.8	14.5	15.2	15.6
6H	14.5	15.1	14.9	15.5	15.9	14.5	15.1	14.9	15.5	15.9
8H	14.7	15.2	15.1	15.6	16.1	14.7	15.2	15.1	15.6	16.1
12H	14.8	15.3	15.3	15.7	16.2	14.7	15.2	15.2	15.6	16.1
12H 4H	14.0	14.7	14.4	15.1	15.5	14.1	14.8	14.5	15.1	15.5
6H	14.5	15.0	15.0	15.5	15.9	14.5	15.1	15.0	15.5	15.9
8H	14.7	15.2	15.2	15.6	16.1	14.7	15.2	15.2	15.6	16.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.8					+ 0.6 / - 0.7				
1.5H	+ 0.3 / - 0.3					+ 0.4 / - 0.3				
2.0H	+ 1.4 / - 1.3					+ 1.5 / - 1.4				

CIE Pub.117 Corrected 1753 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.0)

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:120.2V I:0.1311A P:15.30W PF:0.9706 Lamp Flux:1752.92x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-4000K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 8寸手板样 M-4000K	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) $k(RI) \times RCR = 5$									
k = 0.60	67	57	51	66	56	51	65	56	50	45
0.80	77	67	61	76	66	61	74	66	60	54
1.00	85	75	69	83	75	69	81	76	69	63
1.25	91	82	77	90	82	76	87	80	76	69
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	97	93	102	96	92	98	94	90	83
3.00	106	101	97	104	99	95	100	96	93	86
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	102	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

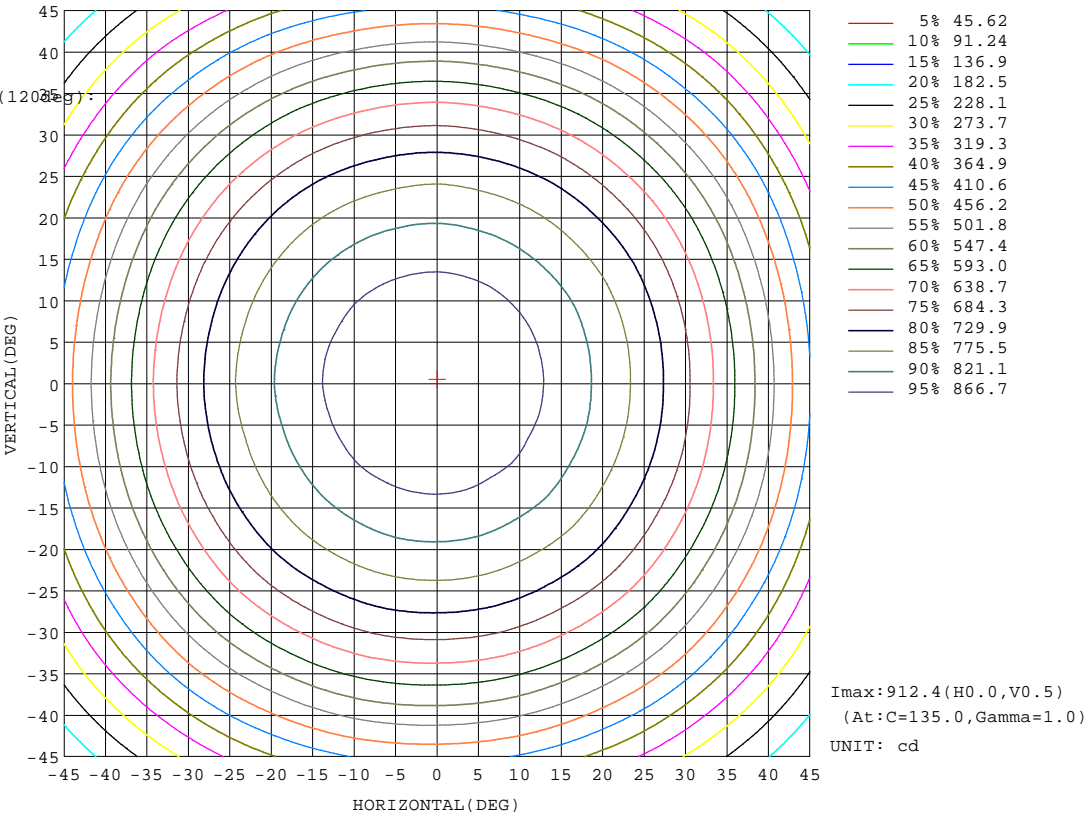
g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:10.627m [K=1.0000]
 Remarks: TRP-240925SHA-01_F172
 T409251

ISOCANDELA DIAGRAM

Test:U:120.2V I:0.1311A P:15.30W PF:0.9706 Lamp Flux:1752.92x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-4000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 M-4000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):
1237.4 lm
%lum = 70.6%
%lamp = 70.6%

Conical surface Flux(120deg):
1590.2 lm
%lum = 90.7%
%lamp = 90.7%

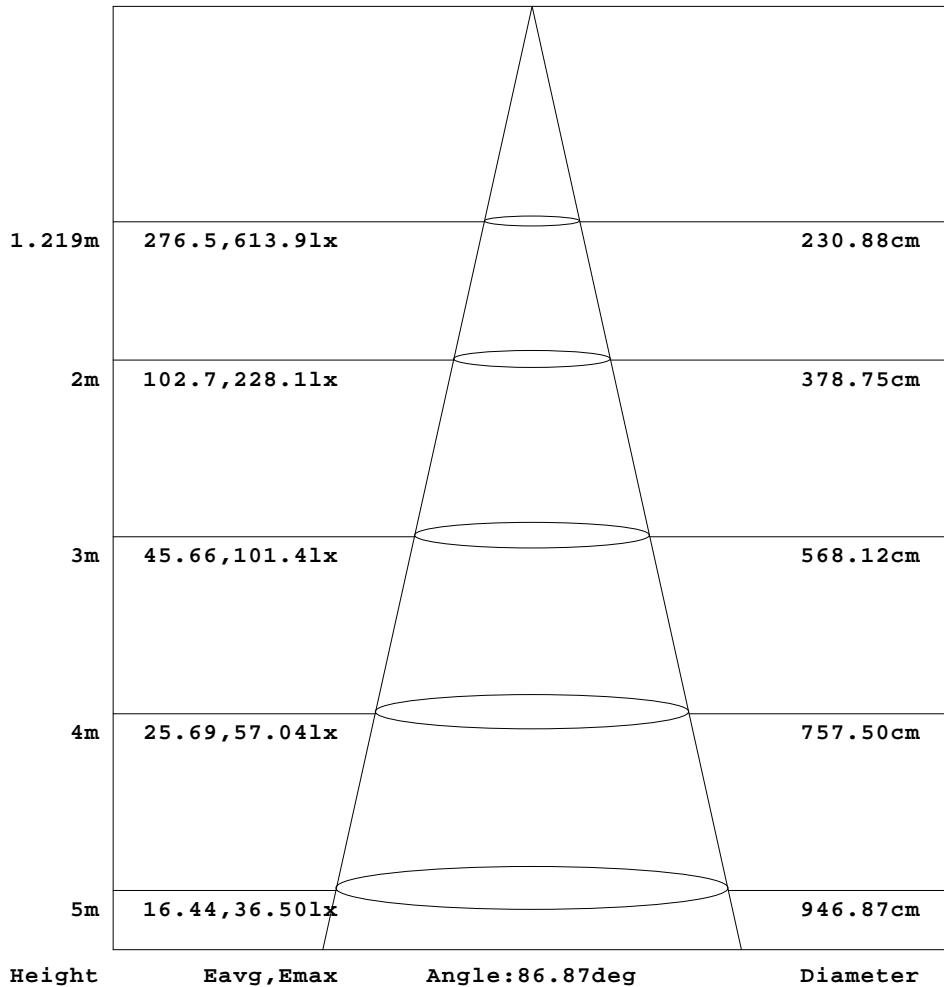


C Range: 0 - 360DEG	g Range: 0 - 180DEG
C Interval: 15.0DEG	g Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Temperature:25.3DEG	Humidity:65.0%
Operators:Aaron	Test Distance:10.627m [K=1.0000]
Test Date:2024-10-11	Remarks: TRP-240925SHA-01_F172
	T409251

AAI Figure

Test:U:120.2V I:0.1311A P:15.30W PF:0.9706 Lamp Flux:1752.92x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-4000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 M-4000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:1204 lm



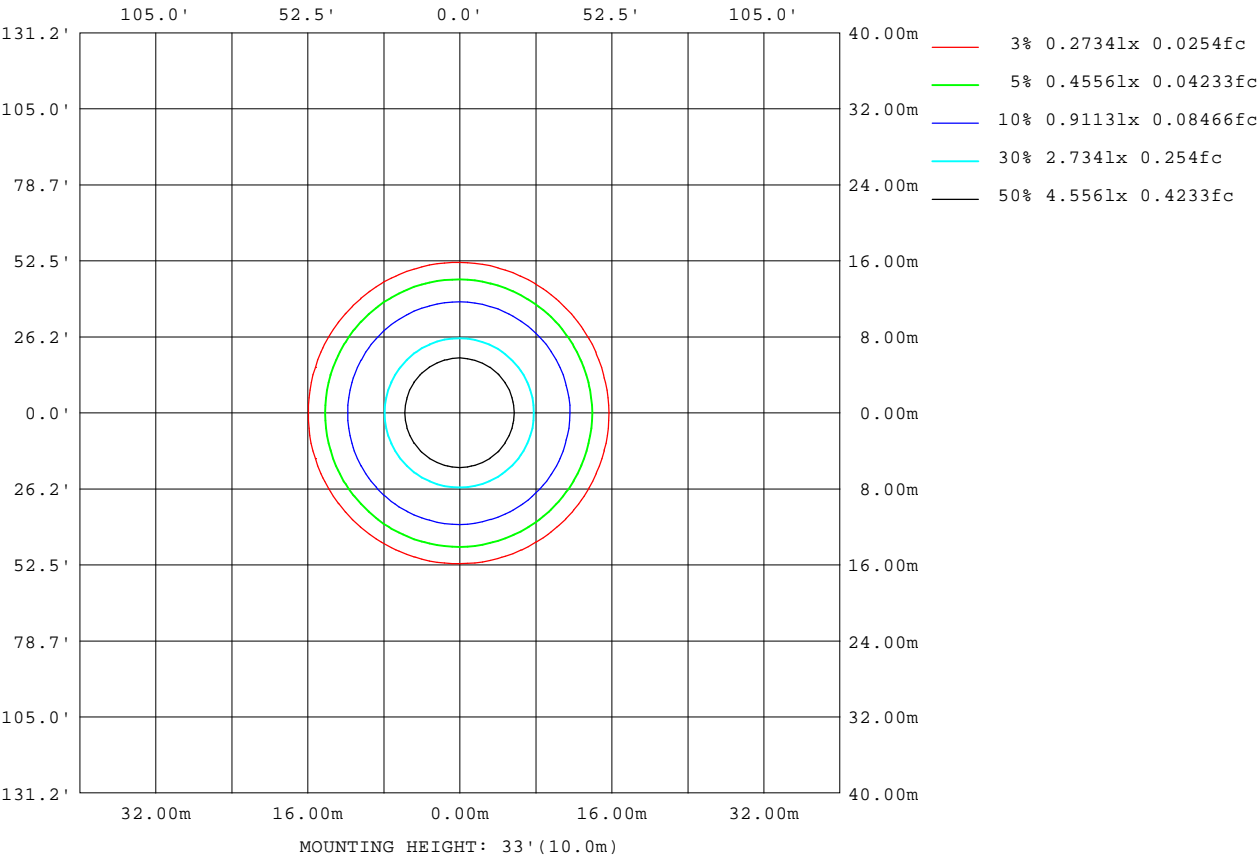
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

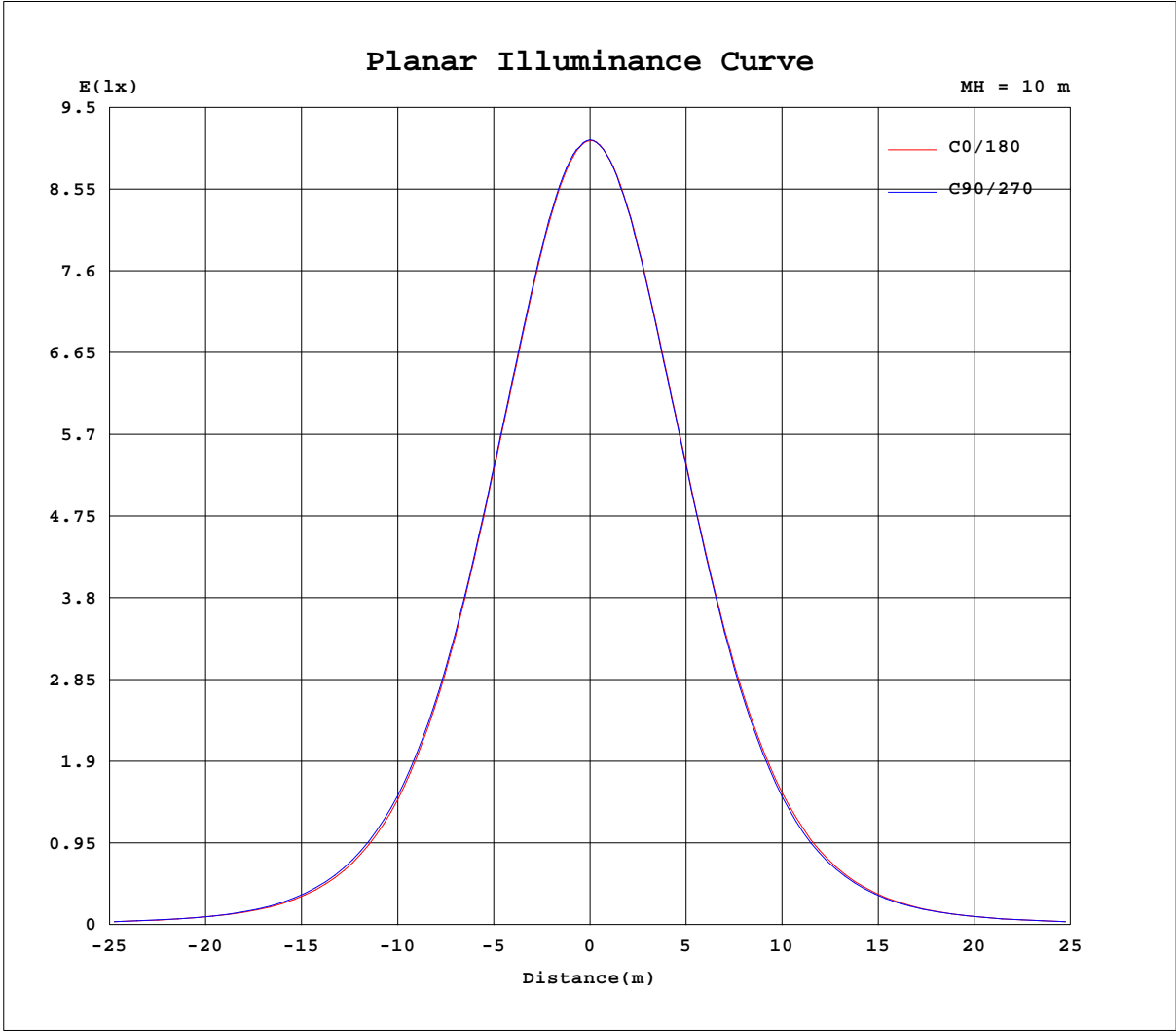
Test:U:120.2V I:0.1311A P:15.30W PF:0.9706 Lamp Flux:1752.92x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-4000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 M-4000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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