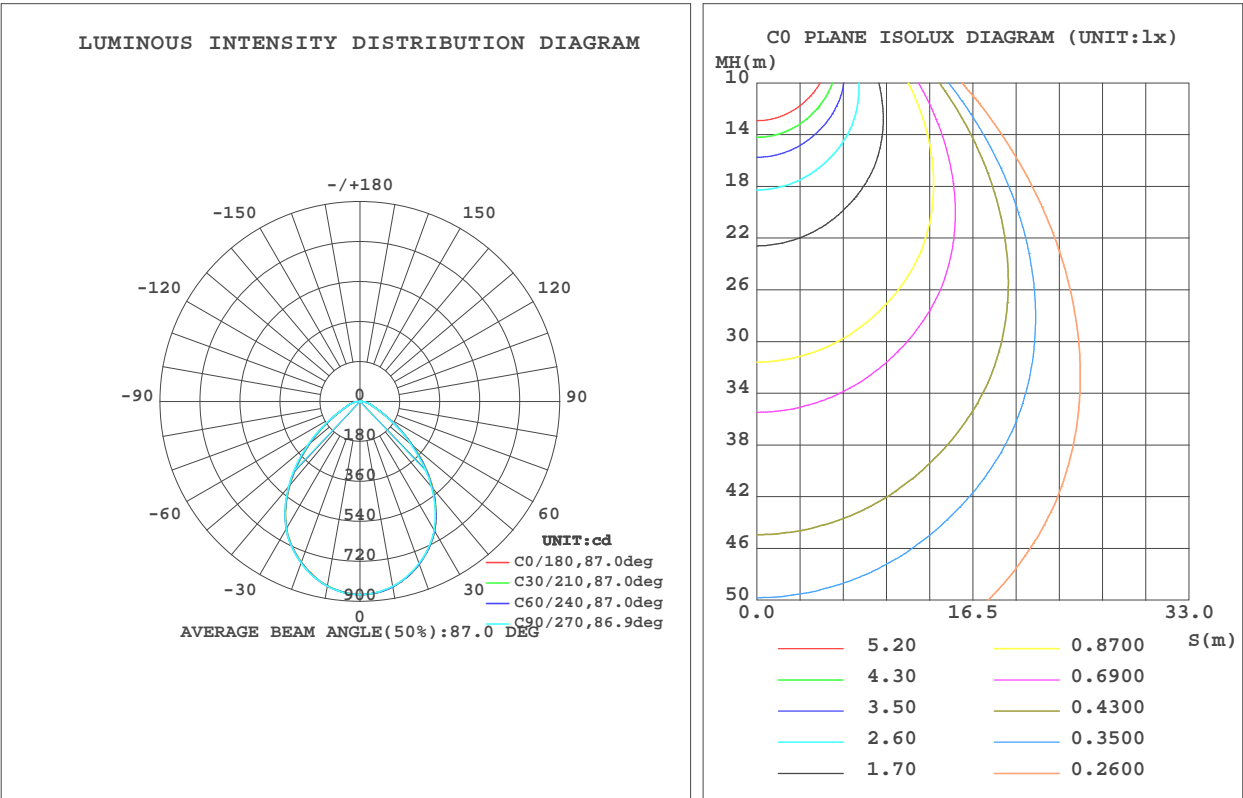


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.2V I:0.1317A P:15.40W PF:0.9707 Lamp Flux:1670.52x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-3000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 M-3000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 108.48 lm/W			
MODEL		Imax(cd)	869.7	S/MH(C0/180)	1.16
NOMINAL POWER(W)	15.4	LOR(%)	100.0	S/MH(C90/270)	1.15
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1670.5	h UP,DN(C0-180)	0.1,49.9
NOMINAL FLUX(lm)	1670.52	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



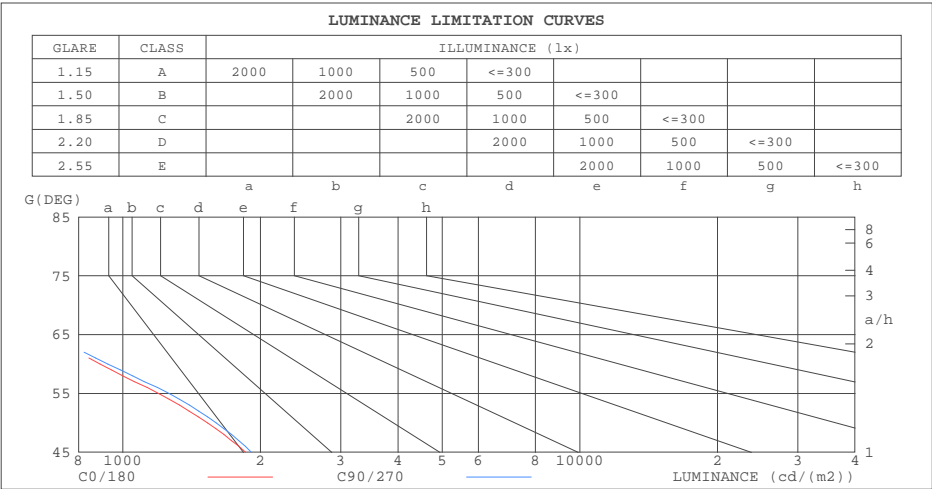
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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	843.0	842.3	844.2	846.0	846.9	845.6	845.2	843.6	0- 10	81.80	81.80	4.9
20	771.1	772.0	774.6	777.2	779.3	778.0	776.3	773.5	10- 20	229.6	311.4	18.6
30	661.1	662.5	664.5	668.6	671.8	670.3	668.7	664.4	20- 30	334.1	645.5	38.6
40	492.5	496.6	501.1	507.9	510.7	506.2	501.3	495.2	30- 40	367.2	1013	60.6
50	295.7	297.8	308.9	312.5	313.1	311.4	301.5	296.6	40- 50	310.5	1323	79.2
60	133.8	137.1	139.1	142.5	142.7	141.2	139.3	134.0	50- 60	192.6	1516	90.7
70	61.73	61.56	61.74	62.61	62.49	62.06	61.99	61.58	60- 70	91.80	1608	96.2
80	29.39	29.29	27.64	28.48	28.89	28.69	28.90	29.19	70- 80	48.61	1656	99.2
90	0.0024	0	0	0	0	0	0	0	80- 90	12.24	1669	99.9
100	0	0	0	0	0	0	0	0	90-100	0.0000	1669	99.9
110	0	0	0	0	0	0	0	0	100-110	0	1669	99.9
120	0	0	0	0	0	0	0	0	110-120	0	1669	99.9
130	0.1664	0.2346	0.1600	0.2100	0.2471	0.1970	0.2779	0.2093	120-130	0.0594	1669	99.9
140	0.5606	0.6288	0.5424	0.5985	0.6360	0.5848	0.6721	0.6166	130-140	0.3108	1669	99.9
150	0.9434	1.017	0.9428	0.9877	1.024	0.9733	1.048	0.9870	140-150	0.4997	1669	99.9
160	1.270	1.337	1.270	1.314	1.345	1.281	1.369	1.313	150-160	0.5331	1670	100
170	1.474	1.547	1.479	1.548	1.532	1.503	1.561	1.511	160-170	0.4016	1670	100
180	1.598	1.590	1.566	1.585	1.561	1.571	1.572	1.573	170-180	0.1481	1671	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	446	337
80	564	531
75	601	586
70	601	602
65	694	702
60	892	928
55	1198	1263
50	1533	1602
45	1857	1912

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Aaron

Test Date:2024-09-30

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]

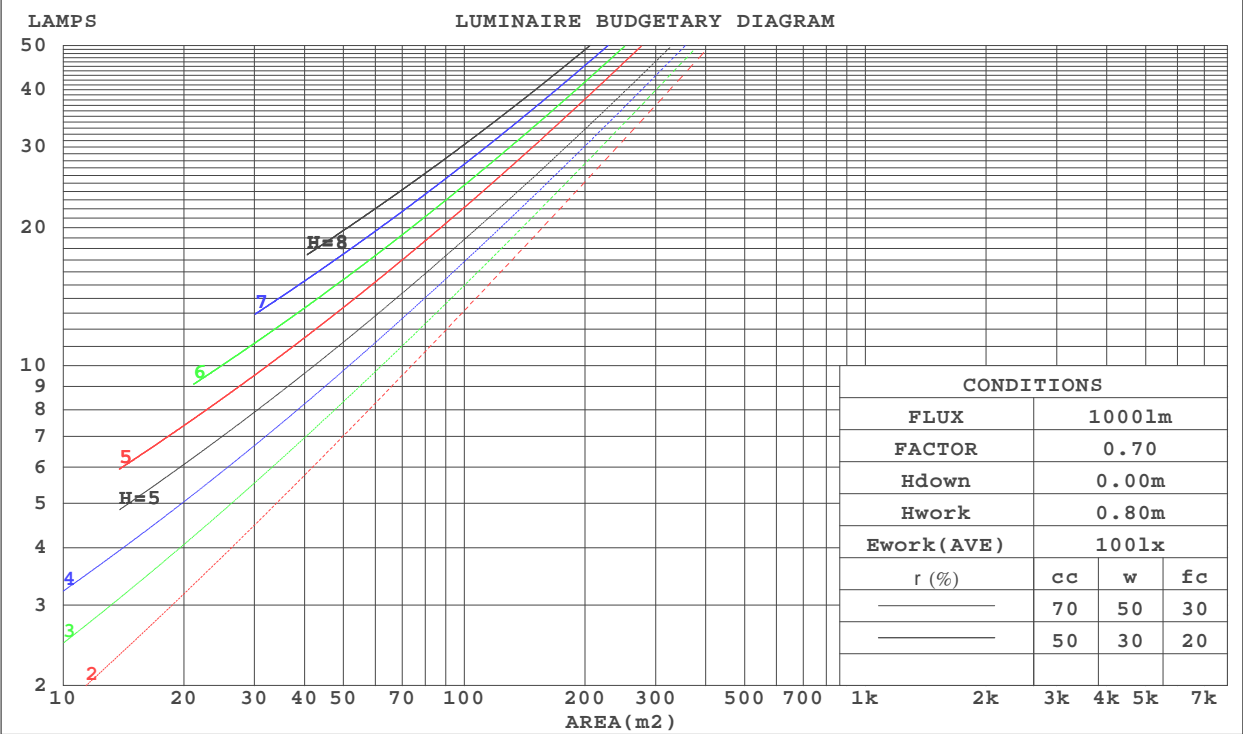
Remarks: TRP-240925SHA-01_F172

T409251

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.2V I:0.1317A P:15.40W PF:0.9707 Lamp Flux:1670.52x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-3000KTYPE:LED		WEIGHT:
SPEC.:F172#Selectfit downlight 8寸手板样 M-3000KDIM.:		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:2024-09-30

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:0.1317A P:15.40W PF:0.9707 Lamp Flux:1670.52x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-3000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 M-3000KDIM.:	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	.138	.044	.230	.132	.042	.218	.126	.040	.207	.120	.039	
2.0	.240	.132	.040	.234	.129	.040	.223	.124	.038	.212	.119	.037	.203	.115	.036	
3.0	.227	.121	.036	.222	.119	.036	.212	.115	.035	.203	.111	.034	.194	.107	.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	.188	.094	.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	.151	.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	.070	.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	.141	.090	.053	.122	.078	.046	.084	.055	.032	.048	.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:2024-09-30

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:0.1317A P:15.40W PF:0.9707 Lamp Flux:1670.52x1 lm										
NAME: F172#Selectfit downlight 8寸手板样 M-3000KTYPE:LED								WEIGHT:		
SPEC.:F172#Selectfit downlight 8寸手板样 M-3000KDIM.:								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	12.7	14.0	12.9	14.2	14.4	12.8	14.2	13.1	14.3	14.5
3H	13.1	14.3	13.4	14.5	14.8	13.2	14.4	13.5	14.7	14.9
4H	13.3	14.5	13.6	14.7	15.0	13.4	14.6	13.7	14.8	15.1
6H	13.5	14.6	13.9	14.9	15.1	13.6	14.7	13.9	14.9	15.2
8H	13.6	14.6	13.9	14.9	15.2	13.6	14.7	14.0	15.0	15.2
12H	13.6	14.6	14.0	14.9	15.2	13.6	14.6	14.0	14.9	15.2
4H 2H	12.8	14.0	13.1	14.2	14.5	13.0	14.1	13.3	14.3	14.6
3H	13.4	14.4	13.7	14.7	15.0	13.5	14.5	13.8	14.8	15.1
4H	13.8	14.7	14.1	15.0	15.3	13.8	14.7	14.2	15.0	15.4
6H	14.1	14.9	14.5	15.2	15.6	14.1	14.9	14.5	15.3	15.6
8H	14.2	14.9	14.6	15.3	15.7	14.2	14.9	14.6	15.3	15.7
12H	14.3	14.9	14.7	15.3	15.7	14.2	14.9	14.7	15.3	15.7
8H 4H	13.9	14.6	14.3	15.0	15.3	13.9	14.7	14.3	15.0	15.4
6H	14.3	14.9	14.8	15.3	15.7	14.3	14.9	14.8	15.3	15.8
8H	14.5	15.0	15.0	15.5	15.9	14.5	15.0	14.9	15.4	15.9
12H	14.6	15.1	15.1	15.5	16.0	14.6	15.0	15.0	15.5	15.9
12H 4H	13.8	14.5	14.3	14.9	15.3	13.9	14.6	14.3	15.0	15.4
6H	14.3	14.9	14.8	15.3	15.7	14.4	14.9	14.8	15.3	15.8
8H	14.6	15.0	15.0	15.5	15.9	14.5	15.0	15.0	15.4	15.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.8					+ 0.6 / - 0.8				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				
2.0H	+ 1.4 / - 1.3					+ 1.5 / - 1.4				

CIE Pub.117 Corrected 1671 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.8)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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:0.1317A P:15.40W PF:0.9707 Lamp Flux:1670.52x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-3000K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 8寸手板样 M-3000K	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	67	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	98	93	102	96	92	98	94	90	83
3.00	106	101	97	104	99	95	100	97	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:2024-09-30

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:0.1317A P:15.40W PF:0.9707 Lamp Flux:1670.52x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-3000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 M-3000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

1180.4 lm

%lum = 70.7%

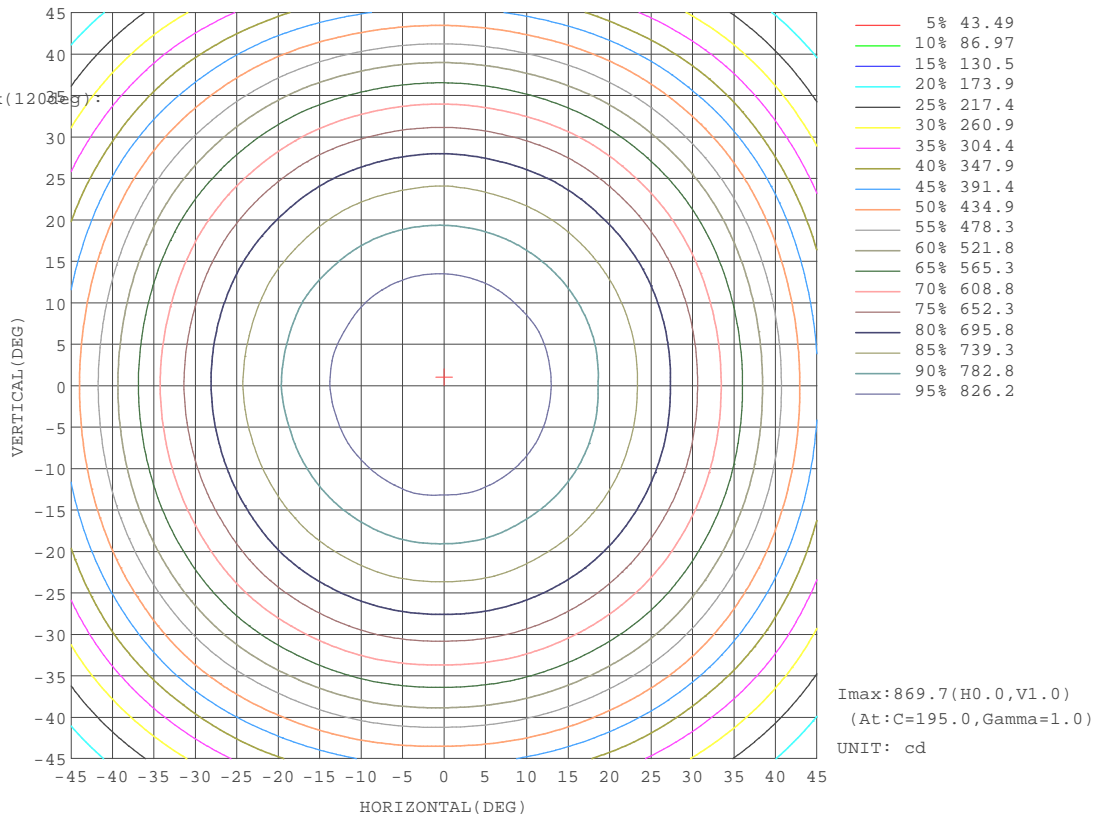
%lamp = 70.7%

Conical surface Flux(120deg):

1515.9 lm

%lum = 90.7%

%lamp = 90.7%



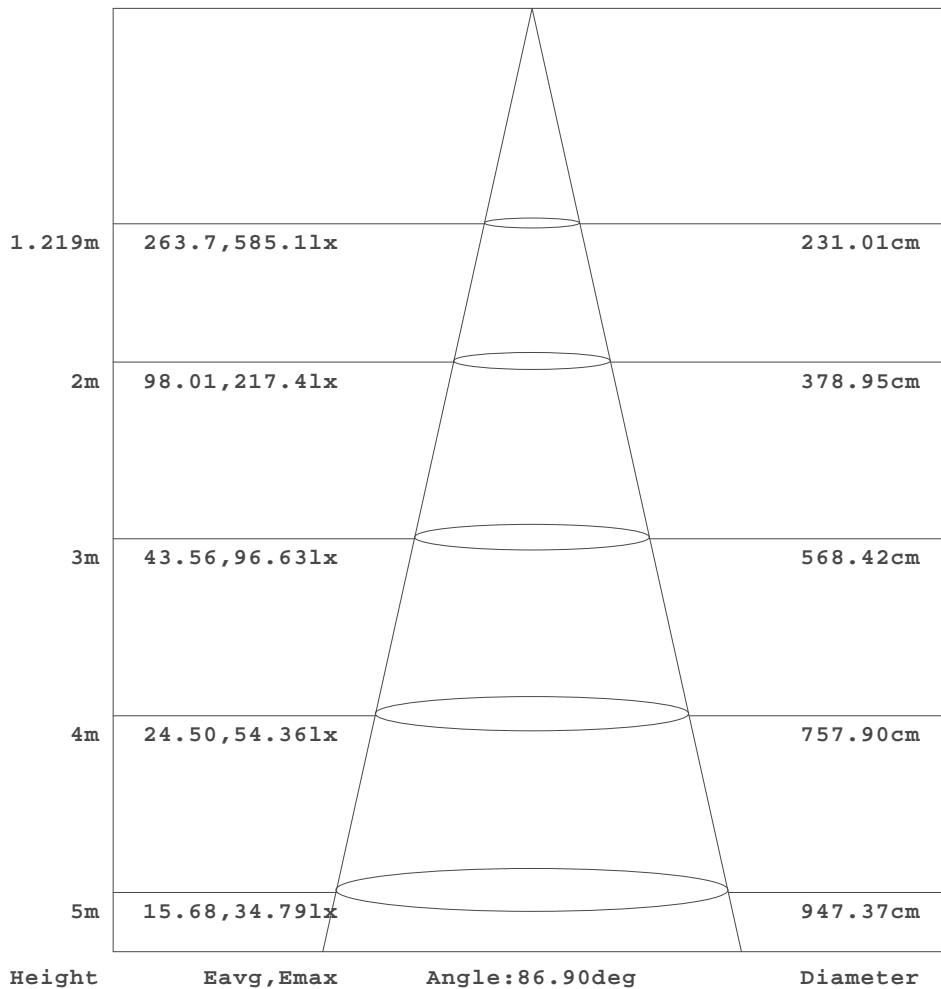
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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

AAI Figure

Test:U:120.2V I:0.1317A P:15.40W PF:0.9707 Lamp Flux:1670.52x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-3000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 M-3000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:1149 lm



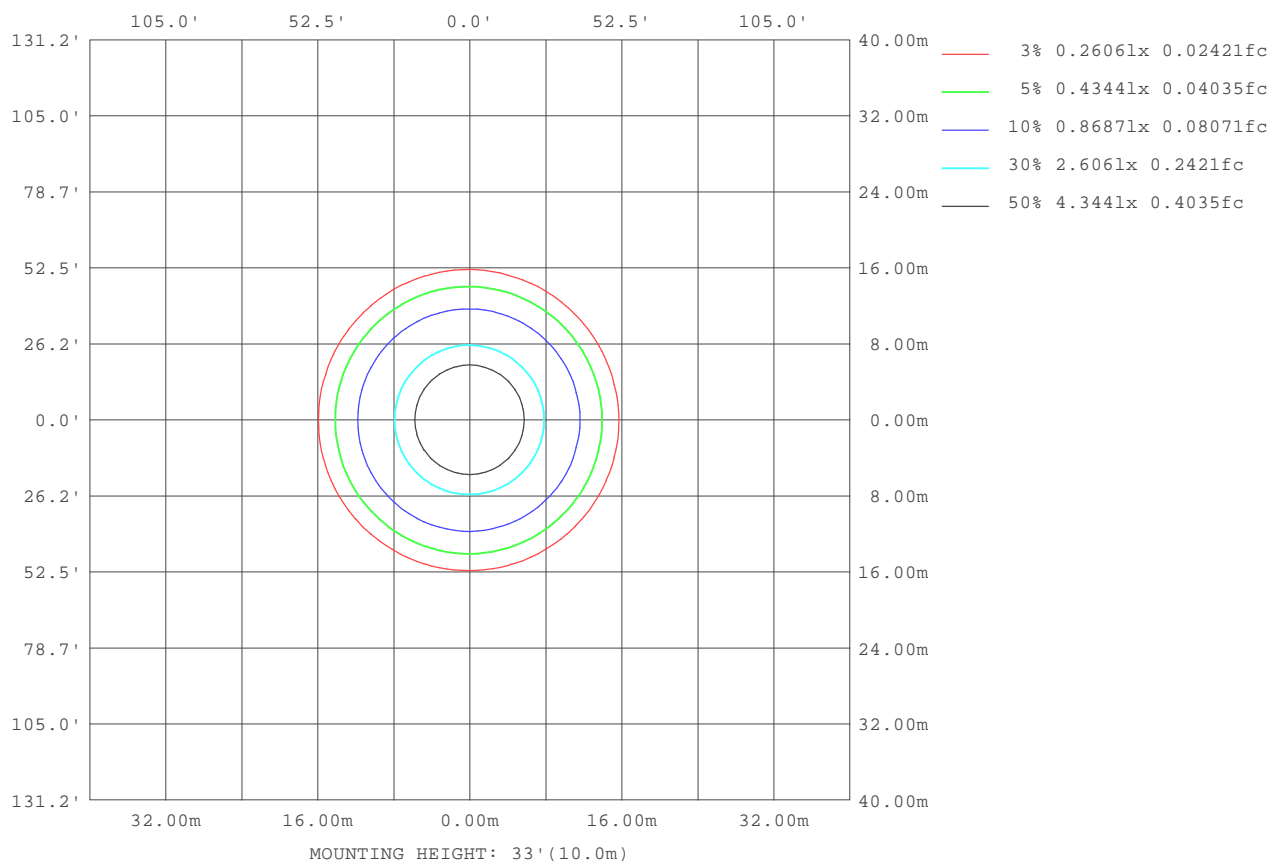
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Aaron
 Test Date:2024-09-30

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

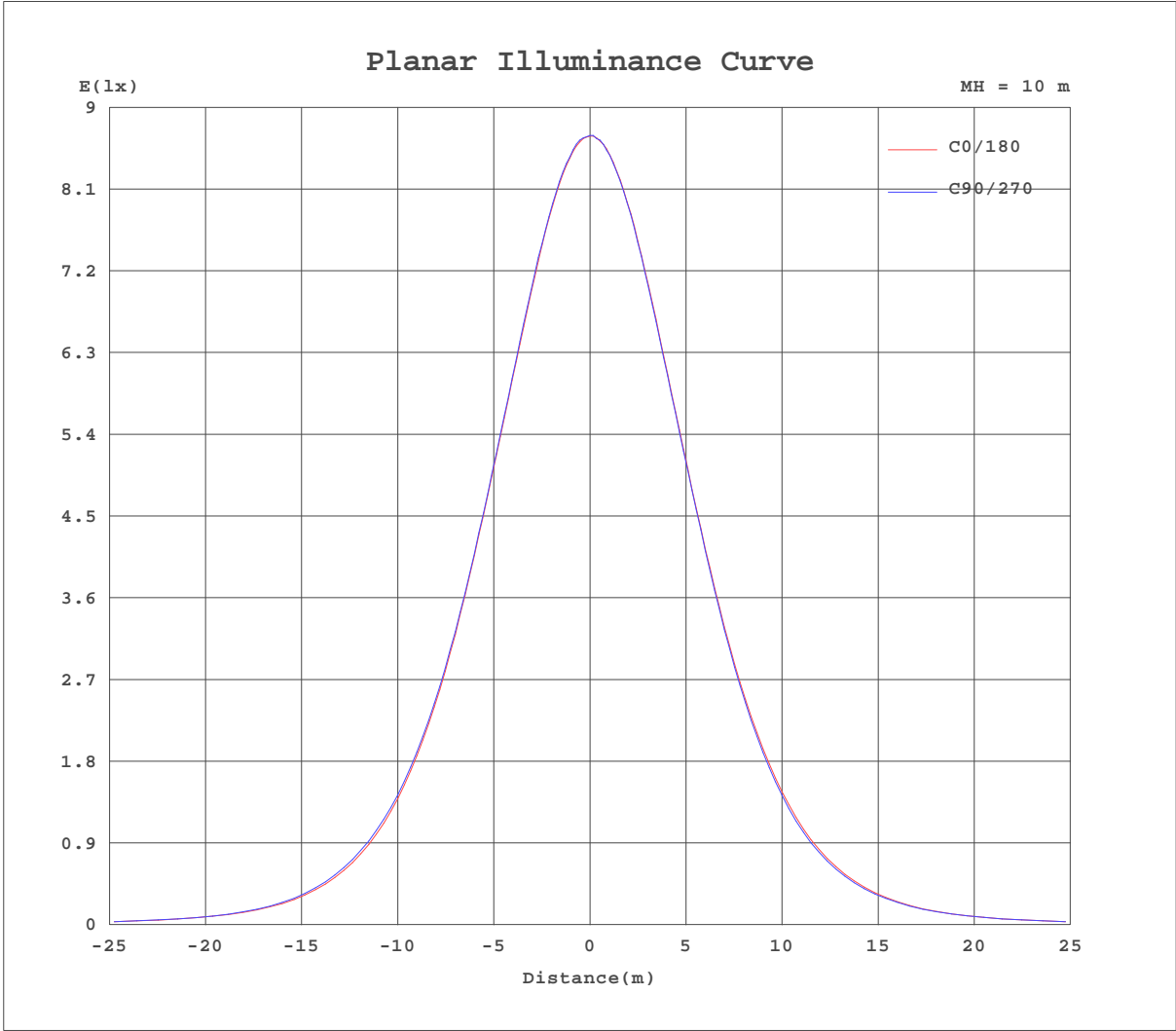
Test:U:120.2V I:0.1317A P:15.40W PF:0.9707 Lamp Flux:1670.52x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-3000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 M-3000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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:2024-09-30

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