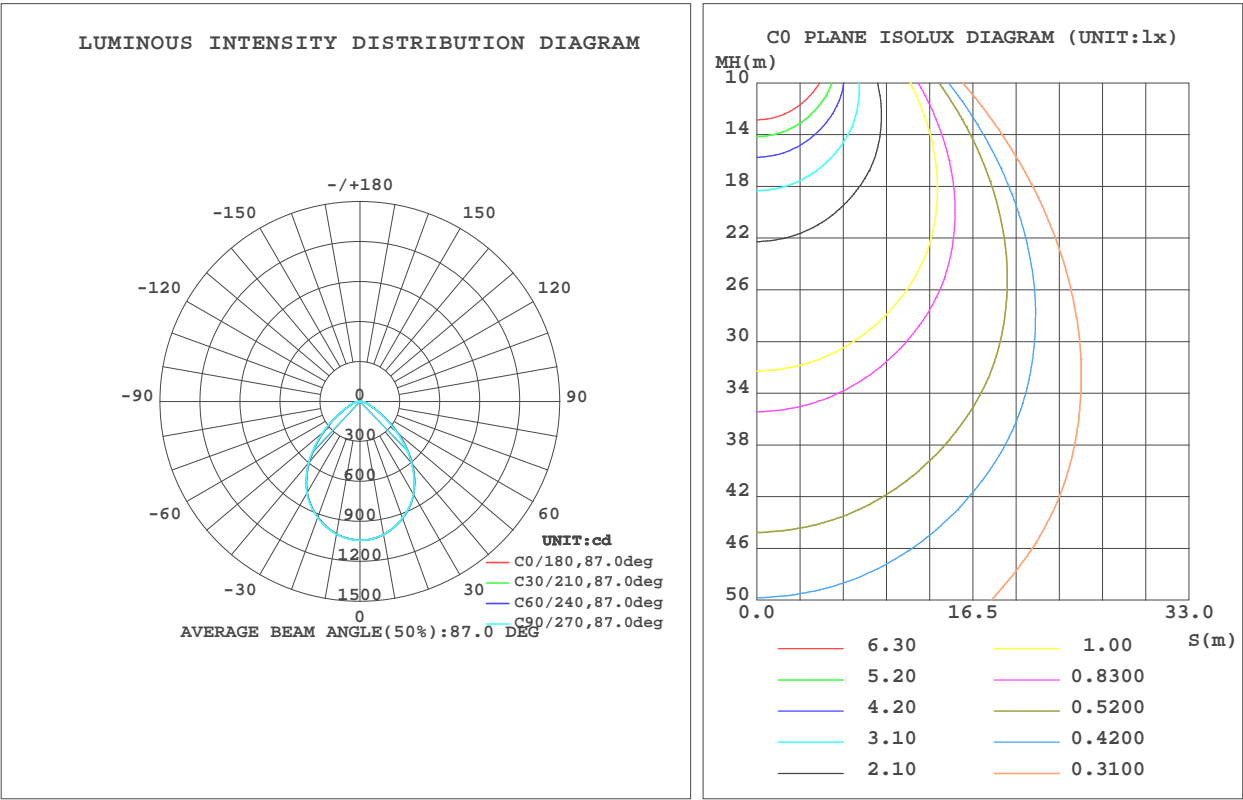


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.3V I:0.1649A P:19.38W PF:0.9773 Lamp Flux:2003.5x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 H-2700KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 H-2700KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 103.38 lm/W			
MODEL		Imax(cd)	1042	S/MH(C0/180)	1.16
NOMINAL POWER(W)	19.38	LOR(%)	100.0	S/MH(C90/270)	1.15
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2003.5	h UP,DN(C0-180)	0.1,49.9
NOMINAL FLUX(lm)	2003.5	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



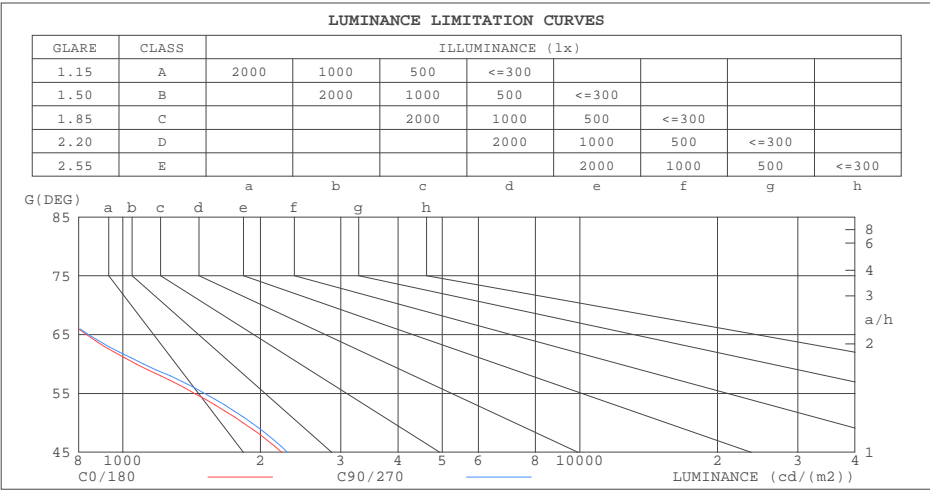
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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	1009	1012	1012	1013	1015	1014	1014	1011	0~ 10	98.03	98.03	4.89
20	924.8	926.1	927.5	929.9	934.8	933.0	931.1	926.8	10~ 20	275.1	373.2	18.6
30	792.6	794.7	795.7	800.1	804.3	803.1	801.3	795.7	20~ 30	400.4	773.6	38.6
40	591.5	595.6	601.1	608.7	611.8	607.4	601.7	592.9	30~ 40	440.3	1214	60.6
50	353.7	357.2	369.5	375.9	377.3	373.4	363.9	355.0	40~ 50	372.7	1587	79.2
60	160.5	164.3	166.6	170.6	170.7	169.0	166.7	160.3	50~ 60	231.0	1818	90.7
70	74.16	73.94	74.17	75.18	75.05	74.45	74.55	73.89	60~ 70	110.0	1928	96.2
80	35.43	35.24	33.25	34.26	34.76	34.52	34.74	35.17	70~ 80	58.41	1986	99.1
90	0.0067	0	0	0	0	0	0	0	80~ 90	14.79	2001	99.9
100	0	0	0	0	0	0	0	0	90~100	0.0000	2001	99.9
110	0	0	0	0	0	0	0	0	100~110	0	2001	99.9
120	0	0.0064	0	0.0004	0.0252	0.0061	0.0316	0	110~120	0.0007	2001	99.9
130	0.3445	0.3883	0.3325	0.3579	0.4134	0.3759	0.4325	0.3881	120~130	0.1548	2001	99.9
140	0.8001	0.8628	0.7895	0.8271	0.8815	0.8682	0.9131	0.8632	130~140	0.4667	2001	99.9
150	1.257	1.331	1.258	1.308	1.338	1.300	1.382	1.332	140~150	0.6751	2002	99.9
160	1.639	1.713	1.641	1.708	1.720	1.670	1.758	1.695	150~160	0.6949	2003	100
170	1.891	1.972	1.924	1.967	1.978	1.923	1.999	1.930	160~170	0.5160	2003	100
180	2.040	2.058	2.054	2.066	2.040	2.052	2.054	2.047	170~180	0.1906	2004	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	538	407
80	681	638
75	724	704
70	723	723
65	833	841
60	1070	1111
55	1436	1510
50	1835	1916
45	2228	2292

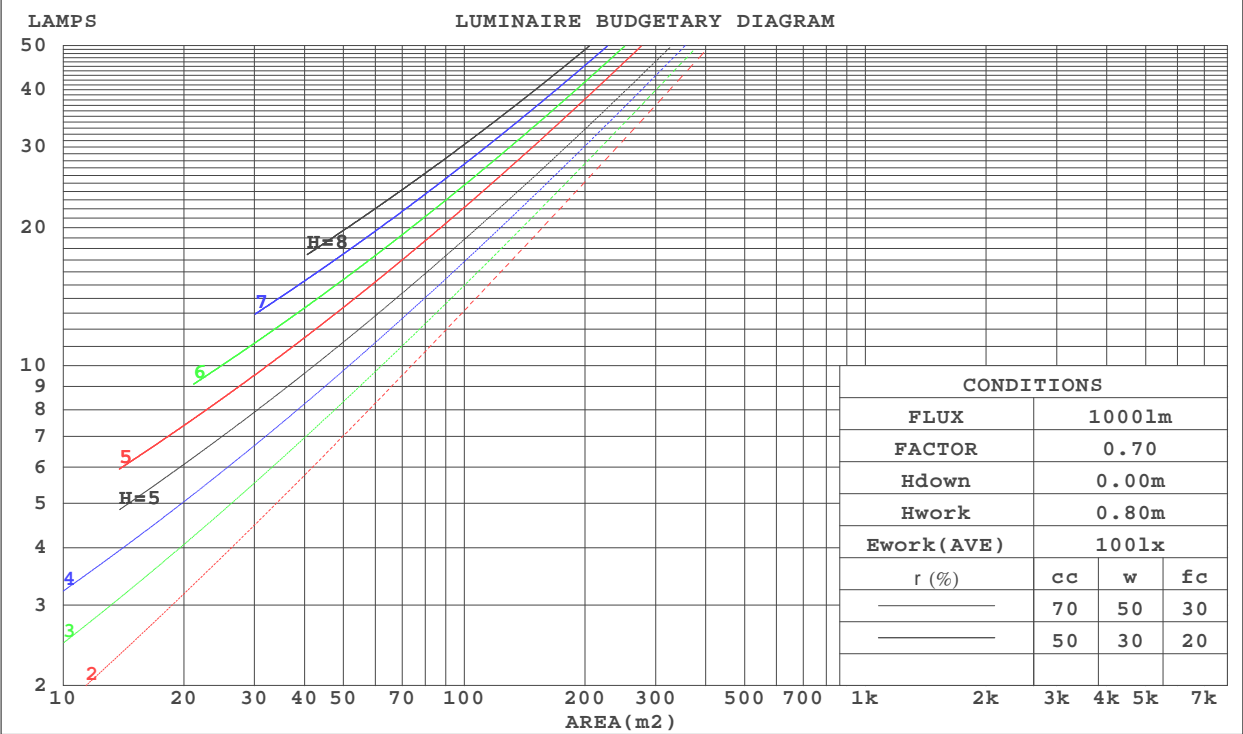
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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:120.3V I:0.1649A P:19.38W PF:0.9773 Lamp Flux:2003.5x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 H-2700KTYPE:LED		WEIGHT:
SPEC.:F172#Selectfit downlight 8寸手板样 H-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:2024-09-30

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:120.3V I:0.1649A P:19.38W PF:0.9773 Lamp Flux:2003.5x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 H-2700KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 H-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	.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	.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	.189	.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	.192	.192	.192	.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	.049	.019	.017	.016	
2.0	.166	.133	.105	.143	.115	.091	.098	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.157	.115	.081	.135	.099	.071	.093	.069	.050	.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	.123	.069	.032	.105	.060	.028	.073	.042	.020	.042	.025	.012	.014	.008	.004	
9.0	.117	.064	.028	.101	.056	.025	.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:120.3V I:0.1649A P:19.38W PF:0.9773 Lamp Flux:2003.5x1 lm										
NAME: F172#Selectfit downlight 8寸手板样 H-2700KTYPE:LED							WEIGHT:			
SPEC.:F172#Selectfit downlight 8寸手板样 H-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	13.3	14.6	13.6	14.8	15.0	13.5	14.8	13.7	15.0	15.2
3H	13.7	14.9	14.0	15.2	15.4	13.9	15.1	14.1	15.3	15.5
4H	14.0	15.1	14.3	15.4	15.6	14.1	15.2	14.4	15.4	15.7
6H	14.2	15.2	14.5	15.5	15.8	14.2	15.3	14.6	15.6	15.8
8H	14.2	15.3	14.6	15.5	15.8	14.3	15.3	14.6	15.6	15.9
12H	14.3	15.2	14.6	15.5	15.8	14.3	15.3	14.6	15.6	15.9
4H 2H	13.5	14.6	13.8	14.9	15.1	13.6	14.7	13.9	15.0	15.2
3H	14.0	15.0	14.4	15.3	15.6	14.1	15.1	14.5	15.4	15.7
4H	14.4	15.3	14.8	15.6	15.9	14.5	15.4	14.8	15.7	16.0
6H	14.7	15.5	15.1	15.9	16.2	14.8	15.5	15.1	15.9	16.3
8H	14.9	15.6	15.3	16.0	16.3	14.8	15.6	15.3	15.9	16.3
12H	14.9	15.6	15.3	16.0	16.4	14.9	15.6	15.3	15.9	16.3
8H 4H	14.5	15.2	14.9	15.6	16.0	14.6	15.3	15.0	15.7	16.0
6H	15.0	15.6	15.4	16.0	16.4	15.0	15.6	15.4	16.0	16.4
8H	15.1	15.7	15.6	16.1	16.6	15.1	15.7	15.6	16.1	16.5
12H	15.3	15.7	15.8	16.2	16.7	15.2	15.7	15.7	16.1	16.6
12H 4H	14.5	15.2	14.9	15.5	15.9	14.6	15.2	15.0	15.6	16.0
6H	15.0	15.5	15.4	15.9	16.4	15.0	15.5	15.4	15.9	16.4
8H	15.2	15.7	15.7	16.1	16.6	15.2	15.6	15.6	16.1	16.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.8					+ 0.6 / - 0.7				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				
2.0H	+ 1.4 / - 1.3					+ 1.5 / - 1.4				

CIE Pub.117 Corrected 2004 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.4)

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:120.3V I:0.1649A P:19.38W PF:0.9773 Lamp Flux:2003.5x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 H-2700K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 8寸手板样 H-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) $k(RI) \times RCR = 5$									
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	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:2024-09-30

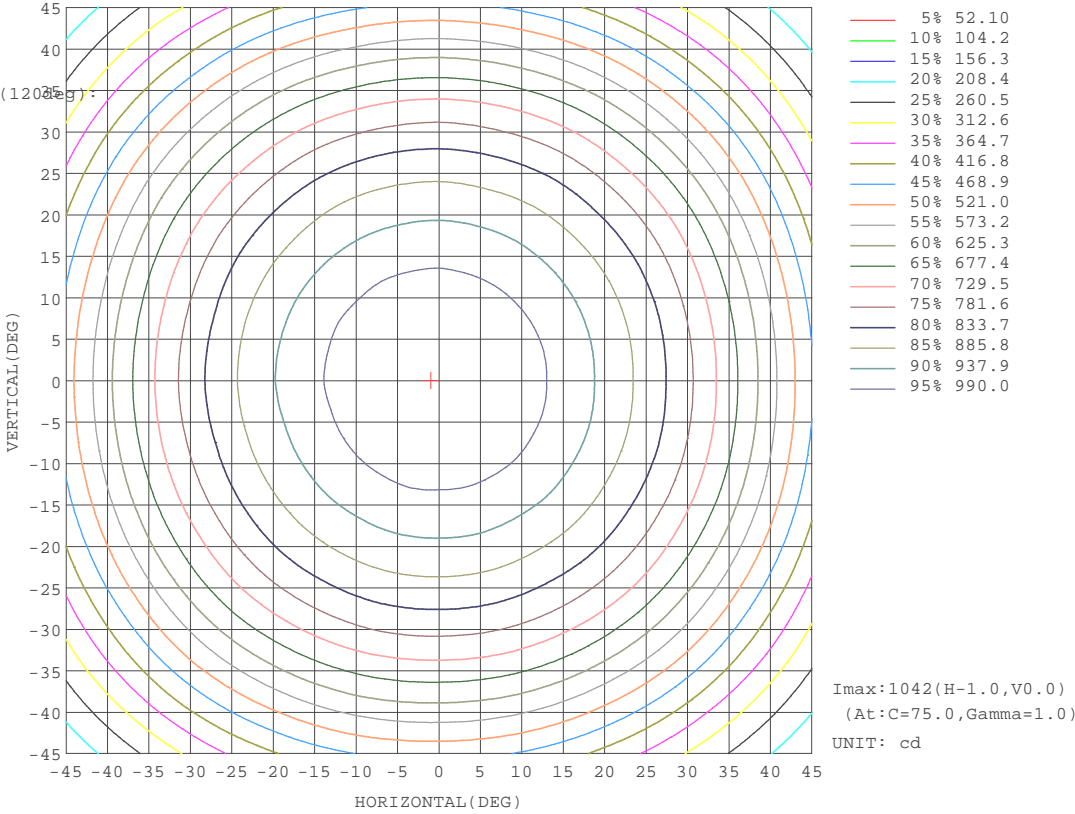
g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:10.627m [K=1.0000]
 Remarks: TRP-240925SHA-01_F172
 T409251

ISOCANDELA DIAGRAM

Test:U:120.3V I:0.1649A P:19.38W PF:0.9773 Lamp Flux:2003.5x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 H-2700KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 H-2700KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):
1415 lm
%lum = 70.6%
%lamp = 70.6%

Conical surface Flux(120deg):
1817.6 lm
%lum = 90.7%
%lamp = 90.7%

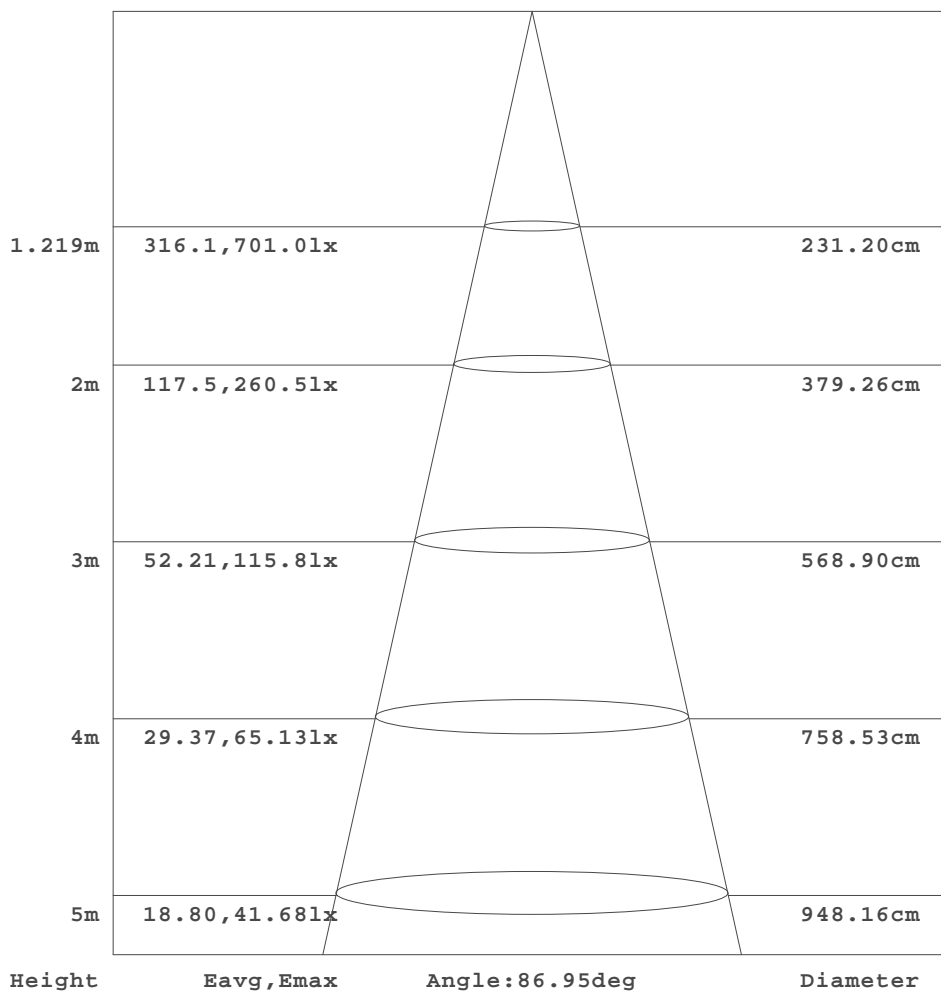


C Range: 0 - 360DEG	g Range: 0 - 180DEG
C Interval: 15.0DEG	g Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Temperature:25.3DEG	Humidity:65.0%
Operators:Aaron	Test Distance:10.627m [K=1.0000]
Test Date:2024-09-30	Remarks: TRP-240925SHA-01_F172
	T409251

AAI Figure

Test:U:120.3V I:0.1649A P:19.38W PF:0.9773 Lamp Flux:2003.5x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 H-2700KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 H-2700KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:1377 lm



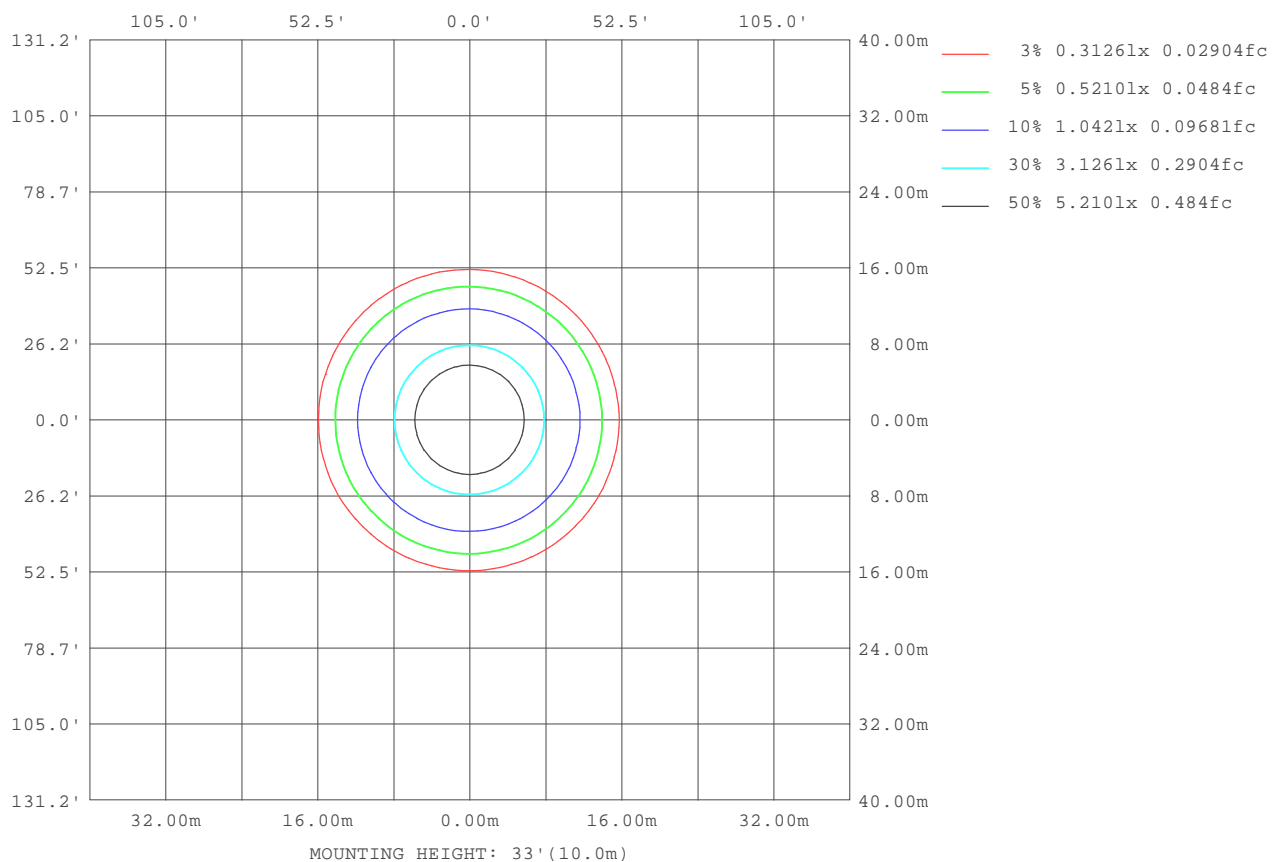
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

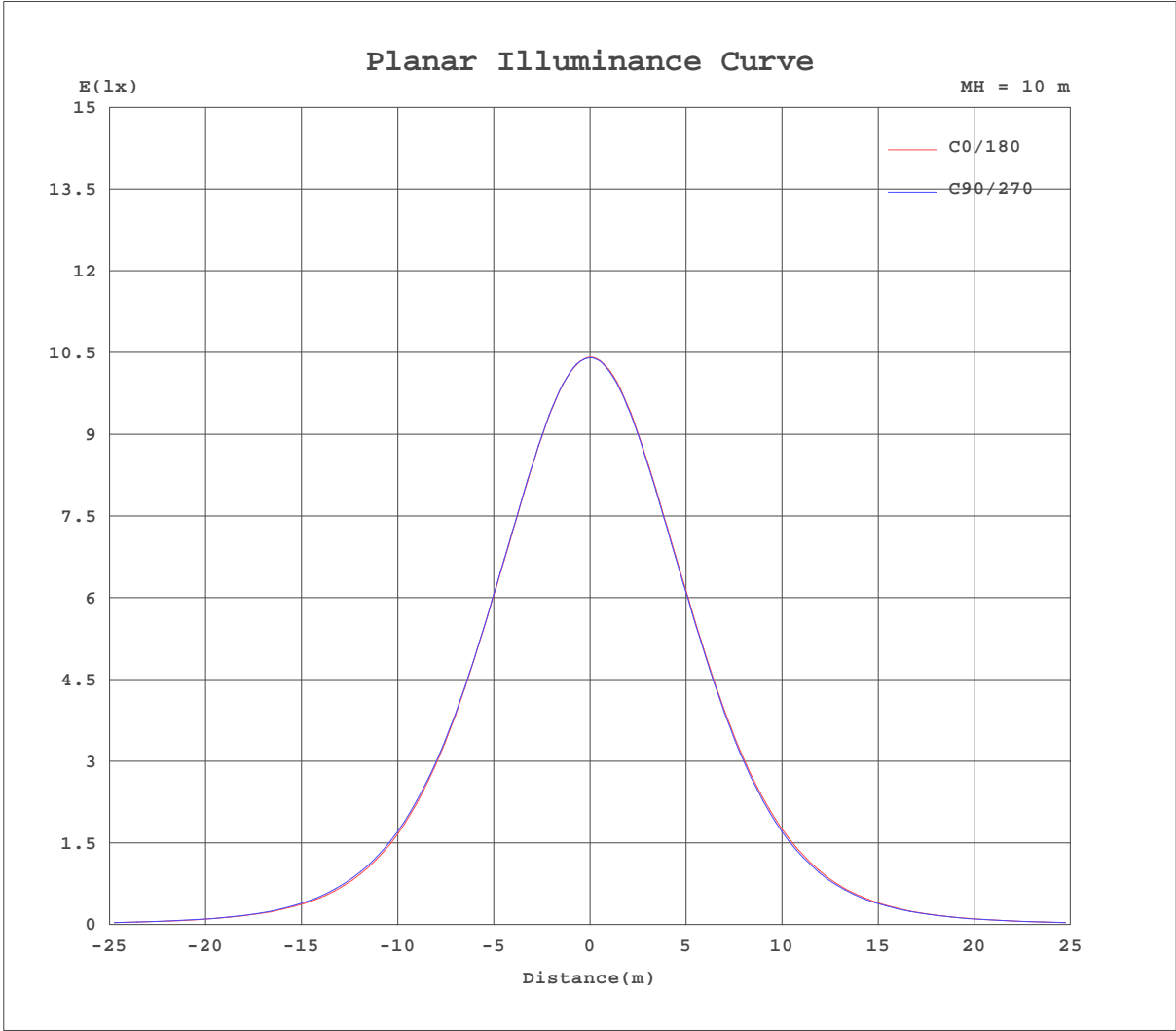
Test:U:120.3V I:0.1649A P:19.38W PF:0.9773 Lamp Flux:2003.5x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 H-2700KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 H-2700KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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

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