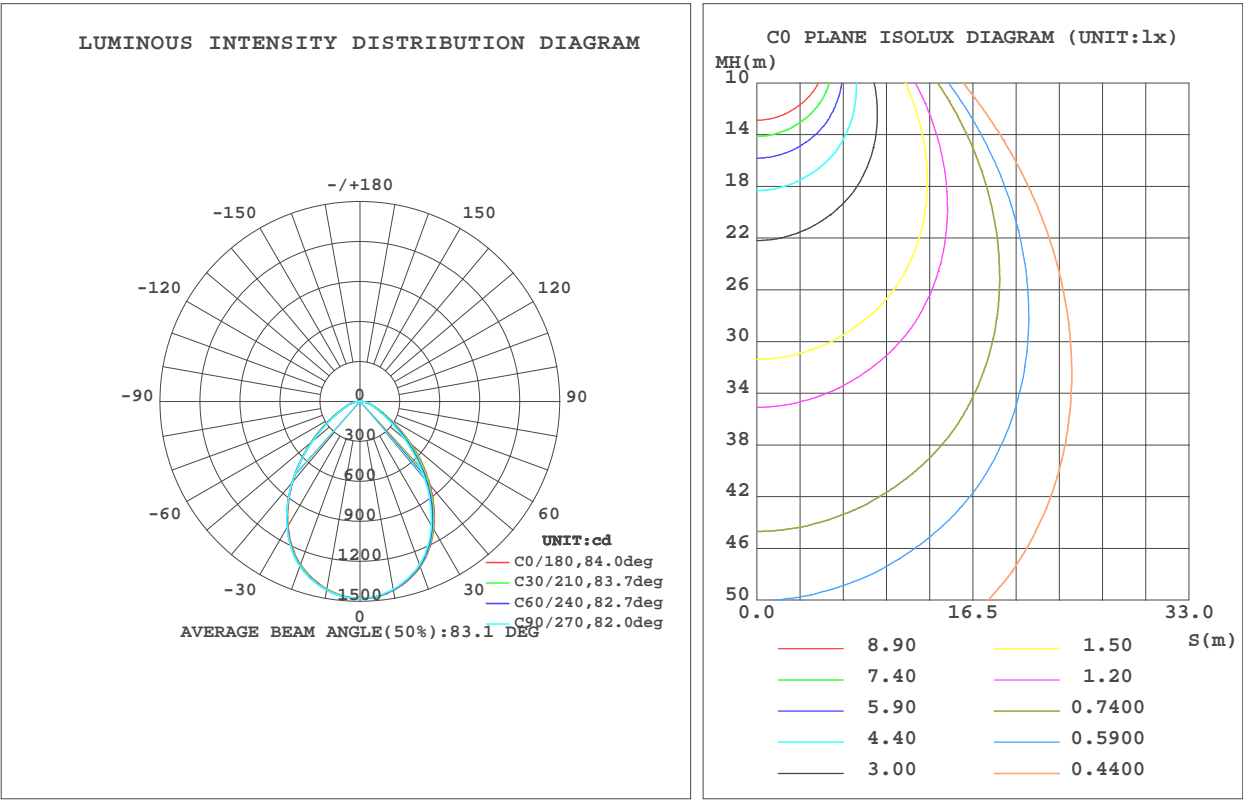


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.1V I:0.2004A P:23.52W PF:0.9775 Lamp Flux:2726.26x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-4000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-4000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 115.91 lm/W			
MODEL		Imax(cd)	1479	S/MH(C0/180)	1.13
NOMINAL POWER(W)	23.52	LOR(%)	100.0	S/MH(C90/270)	1.11
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2726.3	h UP,DN(C0-180)	0.1,50.4
NOMINAL FLUX(lm)	2726.26	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,49.5
LAMPS INSIDE	1	h up(%)	0.2	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	h down(%)	99.8	CIBSE SHR MAX	1.15



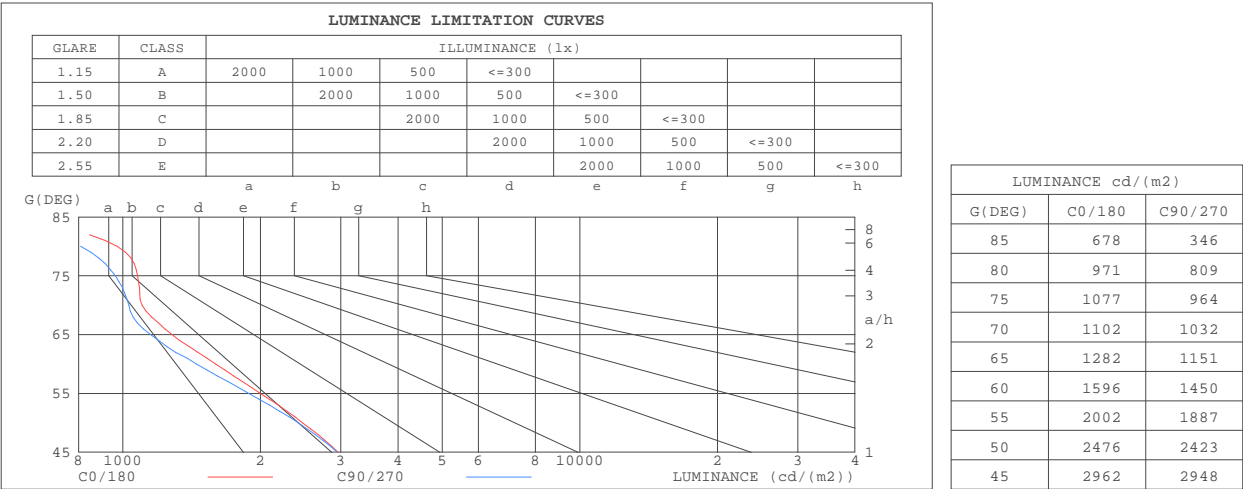
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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	1430	1435	1438	1439	1439	1434	1431	1428	0~ 10	139.0	139.0	5.1
20	1303	1312	1316	1320	1321	1313	1305	1299	10~ 20	389.1	528.1	19.4
30	1082	1092	1094	1108	1107	1090	1072	1071	20~ 30	556.5	1085	39.8
40	786.1	794.1	790.2	816.6	818.3	789.2	755.4	766.1	30~ 40	589.0	1674	61.4
50	477.3	483.8	467.4	499.1	508.2	477.2	436.5	453.8	40~ 50	484.6	2158	79.2
60	239.3	232.2	217.5	236.6	246.7	231.3	208.7	220.8	50~ 60	304.8	2463	90.3
70	113.1	109.0	105.9	110.6	115.6	108.9	104.7	106.9	60~ 70	157.8	2621	96.1
80	50.57	47.14	42.15	47.73	48.28	47.56	43.70	47.37	70~ 80	83.11	2704	99.2
90	0.0018	0	0	0	0	0	0	0	80~ 90	18.08	2722	99.8
100	0	0	0	0	0	0	0	0	90~100	0.0000	2722	99.8
110	0	0	0	0	0	0	0	0	100~110	0	2722	99.8
120	0.1601	0.2225	0.1046	0.1606	0.2598	0.1663	0.2471	0.2464	110~120	0.0504	2722	99.8
130	0.6654	0.7338	0.5981	0.6172	0.7830	0.6716	0.7901	0.7644	120~130	0.3860	2722	99.9
140	1.288	1.362	1.239	1.203	1.400	1.301	1.431	1.405	130~140	0.7721	2723	99.9
150	1.929	2.004	1.868	1.844	2.016	1.960	2.078	2.022	140~150	1.025	2724	99.9
160	2.459	2.534	2.435	2.424	2.552	2.515	2.627	2.534	150~160	1.032	2725	100
170	2.836	2.935	2.849	2.861	2.928	2.903	2.979	2.886	160~170	0.7639	2726	100
180	3.014	3.039	3.028	3.034	3.021	3.033	3.034	3.021	170~180	0.2828	2726	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



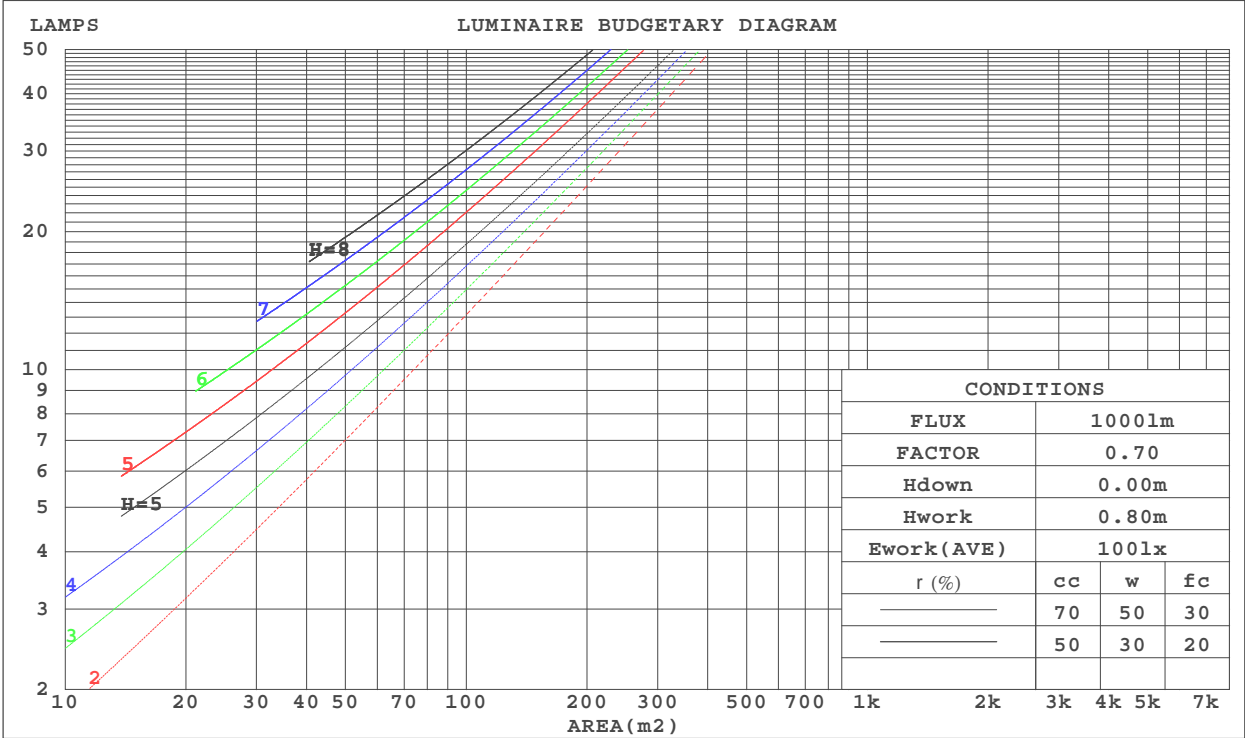
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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:120.1V I:0.2004A P:23.52W PF:0.9775 Lamp Flux:2726.26x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-4000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-4000KM.:	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:120.1V I:0.2004A P:23.52W PF:0.9775 Lamp Flux:2726.26x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-4000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-4000KM.:	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	.177	.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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.177	.158	.140	.152	.136	.121	.104	.093	.084	.060	.054	.049	.019	.017	.016	
2.0	.166	.133	.106	.143	.115	.091	.098	.079	.064	.056	.046	.037	.018	.015	.012	
3.0	.157	.115	.082	.135	.099	.071	.093	.069	.050	.053	.040	.029	.017	.013	.010	
4.0	.149	.101	.065	.128	.088	.057	.088	.061	.040	.051	.036	.024	.016	.012	.008	
5.0	.142	.091	.053	.122	.078	.046	.084	.055	.033	.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	.033	.076	.046	.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	.056	.025	.070	.039	.018	.041	.023	.010	.013	.008	.003	
10.0	.112	.060	.025	.096	.052	.022	.067	.037	.016	.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:120.1V I:0.2004A P:23.52W PF:0.9775 Lamp Flux:2726.26x1 lm										
NAME: F172#Selectfit downlight 6寸HO手板样 M-4000KPE:LED								WEIGHT:		
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-4000K.:								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	14.5	15.8	14.8	16.0	16.2	14.3	15.6	14.5	15.8	16.0
3H	15.1	16.3	15.3	16.5	16.7	14.8	16.0	15.0	16.2	16.4
4H	15.3	16.5	15.6	16.7	17.0	15.0	16.1	15.3	16.4	16.6
6H	15.6	16.6	15.9	16.9	17.2	15.2	16.2	15.5	16.5	16.8
8H	15.6	16.6	15.9	16.9	17.2	15.2	16.2	15.5	16.5	16.8
12H	15.6	16.6	16.0	16.9	17.2	15.2	16.1	15.5	16.4	16.7
4H 2H	14.7	15.8	15.0	16.1	16.3	14.5	15.6	14.8	15.9	16.1
3H	15.4	16.4	15.7	16.7	17.0	15.1	16.1	15.5	16.4	16.7
4H	15.8	16.7	16.2	17.0	17.3	15.5	16.4	15.8	16.7	17.0
6H	16.1	16.9	16.5	17.3	17.6	15.7	16.5	16.1	16.9	17.2
8H	16.3	17.0	16.7	17.4	17.7	15.8	16.5	16.2	16.9	17.3
12H	16.3	17.0	16.7	17.4	17.8	15.8	16.5	16.2	16.9	17.3
8H 4H	15.9	16.6	16.3	17.0	17.4	15.6	16.3	16.0	16.7	17.1
6H	16.4	17.0	16.8	17.4	17.8	16.0	16.6	16.4	17.0	17.4
8H	16.5	17.1	17.0	17.5	17.9	16.1	16.6	16.5	17.0	17.5
12H	16.6	17.1	17.1	17.5	18.0	16.1	16.6	16.6	17.0	17.5
12H 4H	15.9	16.5	16.3	16.9	17.3	15.6	16.3	16.0	16.6	17.0
6H	16.4	16.9	16.8	17.3	17.8	16.0	16.5	16.5	16.9	17.4
8H	16.6	17.0	17.0	17.5	18.0	16.1	16.6	16.6	17.0	17.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.7					+ 0.6 / - 0.8				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.4				
2.0H	+ 1.2 / - 1.1					+ 1.4 / - 1.2				

CIE Pub.117 Corrected 2726 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.5)

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:120.1V I:0.2004A P:23.52W PF:0.9775 Lamp Flux:2726.26x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-4000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-4000KM.:	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	67	57	51	66	57	51	46
0.80	77	67	61	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	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	96	101	97	93	86
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	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:2024-09-30

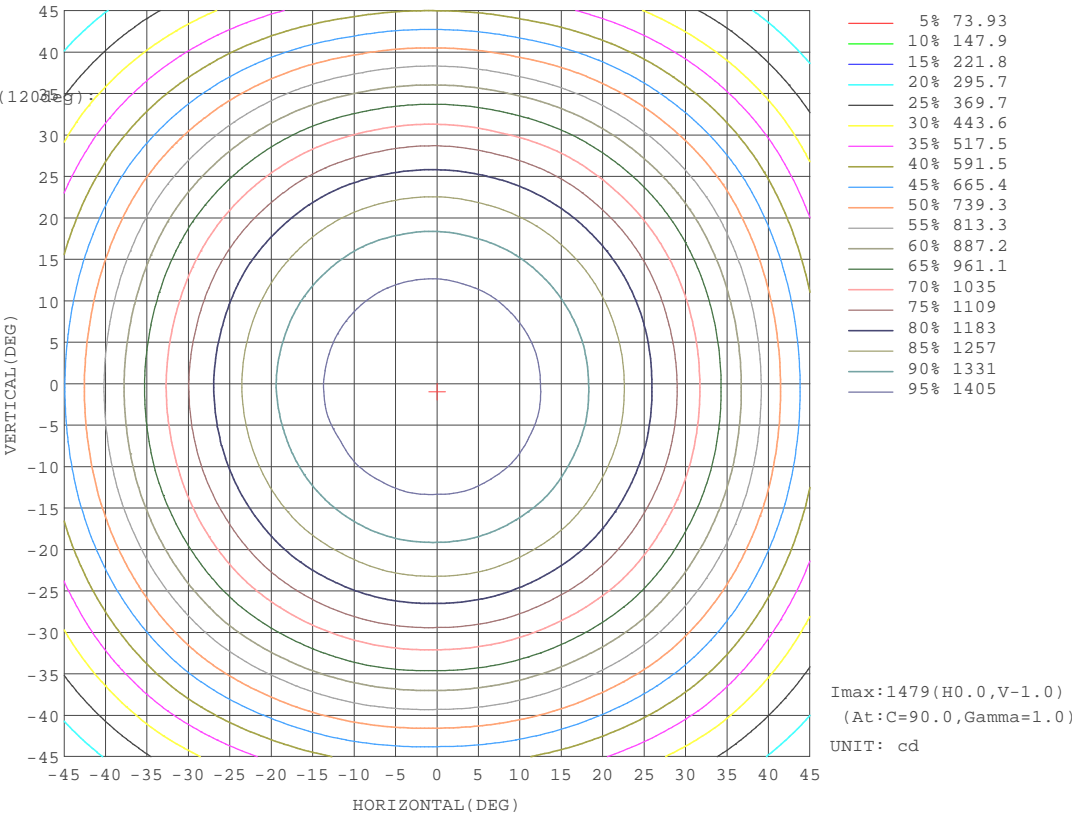
g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:10.627m [K=1.0000]
 Remarks: TRP-240925SHA-01_F172
 T409251

ISOCANDELA DIAGRAM

Test:U:120.1V I:0.2004A P:23.52W PF:0.9775 Lamp Flux:2726.26x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-4000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-4000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):
1935.8 lm
%lum = 71.0%
%lamp = 71.0%

Conical surface Flux(120deg):
2463 lm
%lum = 90.3%
%lamp = 90.3%



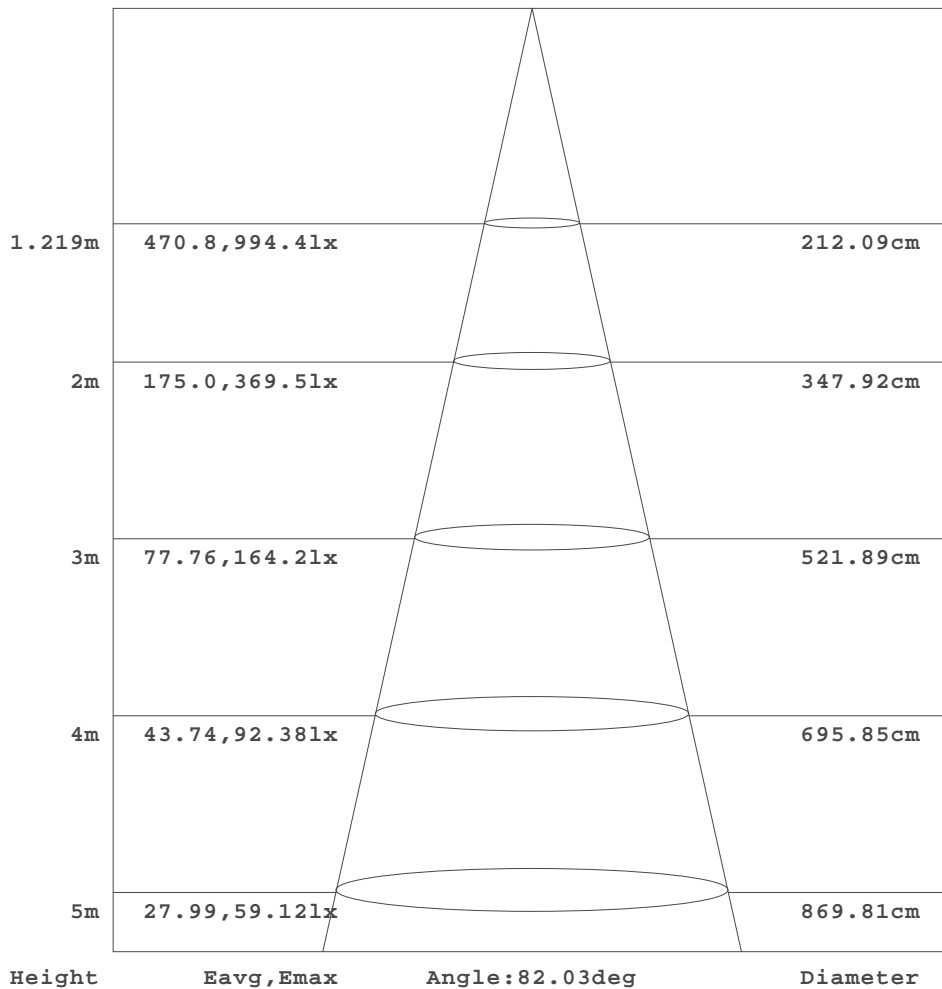
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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:120.1V I:0.2004A P:23.52W PF:0.9775 Lamp Flux:2726.26x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-4000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-4000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:1783 lm



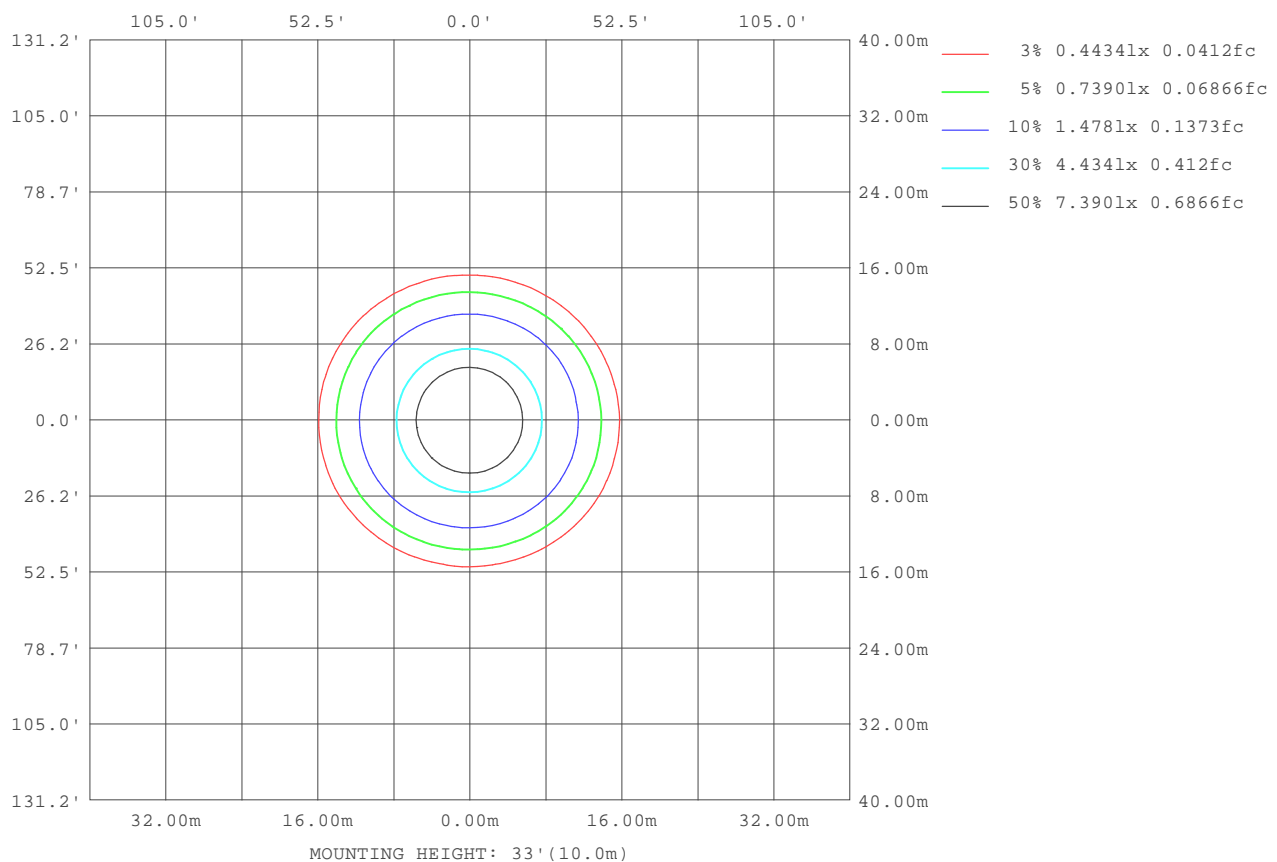
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

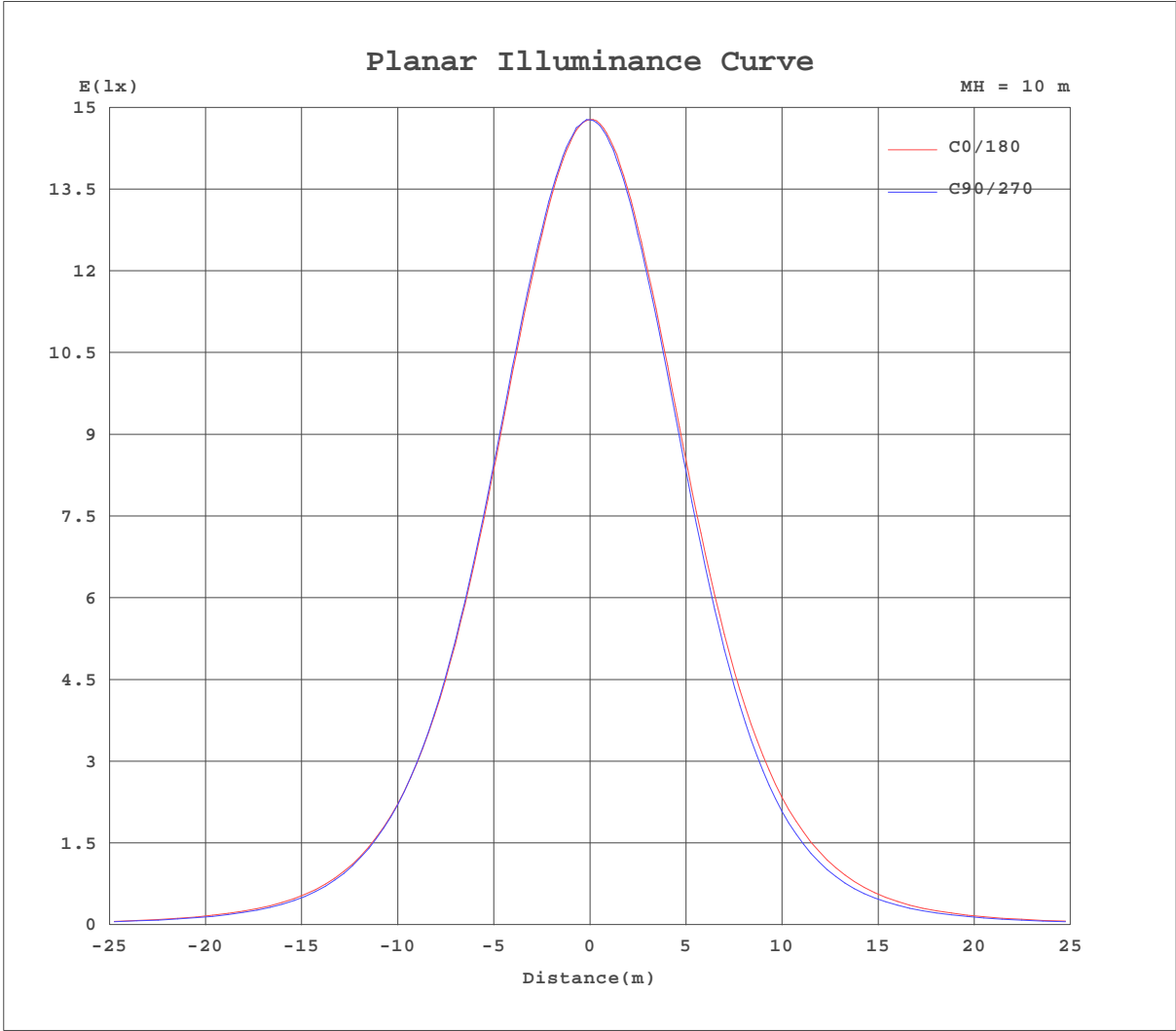
Test:U:120.1V I:0.2004A P:23.52W PF:0.9775 Lamp Flux:2726.26x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-4000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-4000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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%
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Remarks: TRP-240925SHA-01_F172
T409251