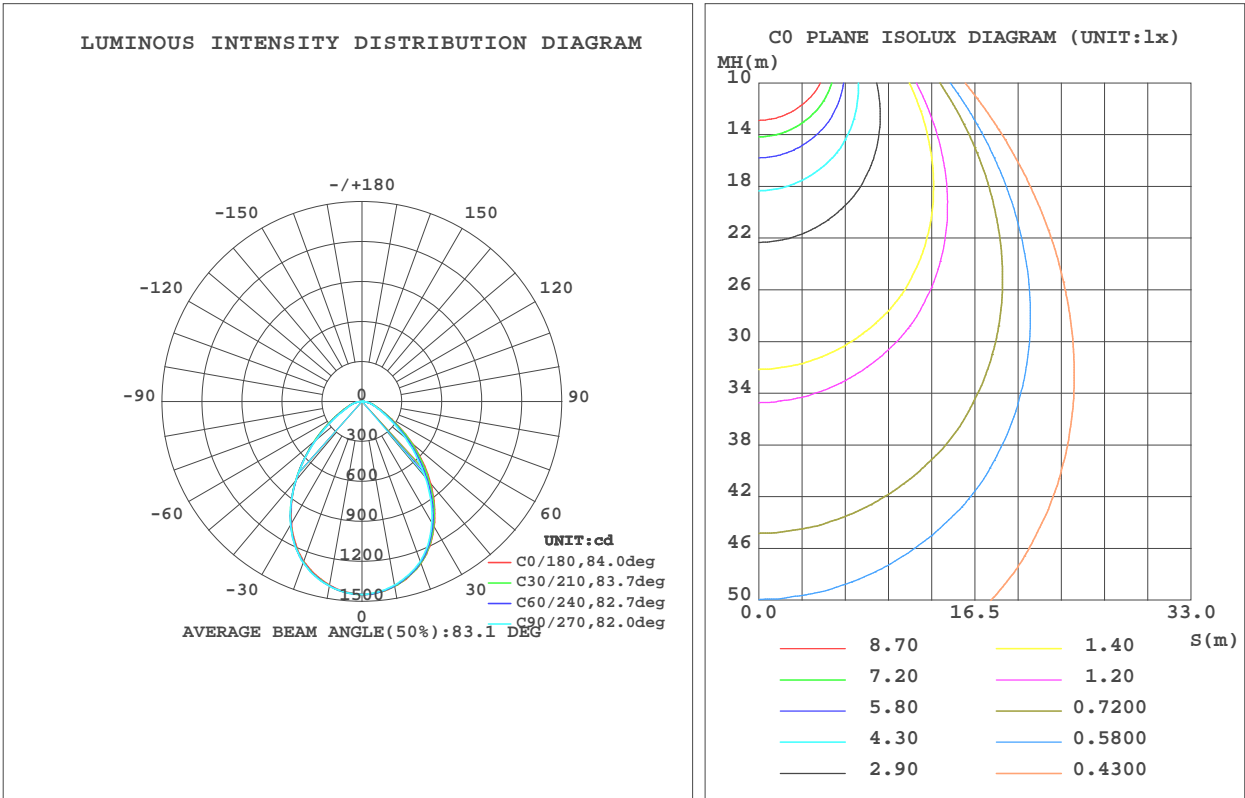


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.1V I:0.1992A P:23.43W PF:0.9773 Lamp Flux:2669.01x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-3500KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-3500KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.91 lm/W			
MODEL		Imax(cd)	1449	S/MH(C0/180)	1.13
NOMINAL POWER(W)	23.43	LOR(%)	100.0	S/MH(C90/270)	1.11
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2669.0	h UP,DN(C0-180)	0.1,50.4
NOMINAL FLUX(lm)	2669.01	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



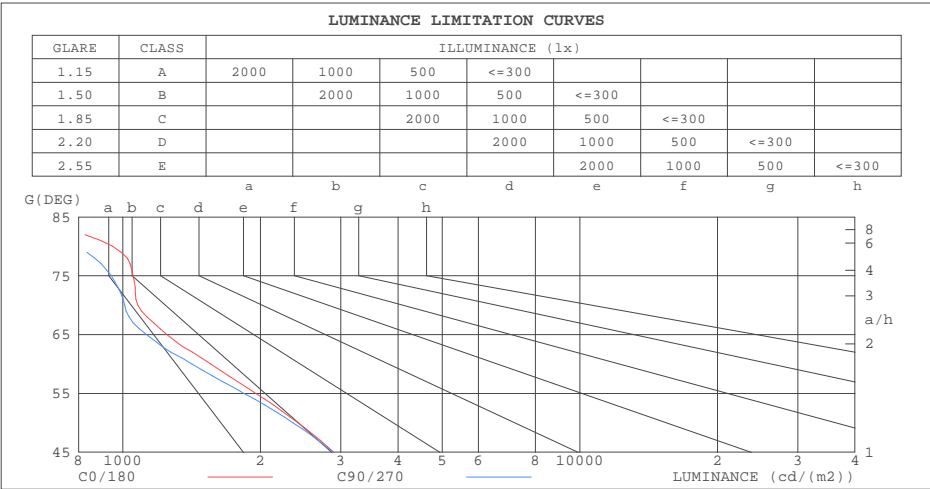
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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	1400	1407	1407	1413	1409	1406	1401	1400	0- 10	136.1	136.1	5.1
20	1277	1288	1289	1294	1293	1287	1277	1276	10- 20	381.2	517.3	19.4
30	1059	1071	1071	1087	1083	1069	1050	1053	20- 30	545.4	1063	39.8
40	770.0	778.6	772.6	801.2	800.2	773.4	738.4	752.4	30- 40	577.3	1640	61.4
50	466.9	472.9	454.4	487.7	495.4	466.3	426.4	444.0	40- 50	473.8	2114	79.2
60	233.8	227.1	212.3	231.2	240.6	225.8	203.1	215.8	50- 60	297.7	2412	90.4
70	110.7	106.8	103.5	108.2	113.3	106.7	102.4	104.6	60- 70	154.1	2566	96.1
80	49.48	46.17	41.27	46.87	47.15	46.68	42.69	46.43	70- 80	81.39	2647	99.2
90	0.0017	0	0	0	0	0	0	0	80- 90	17.70	2665	99.8
100	0	0	0	0	0	0	0	0	90-100	0.0000	2665	99.8
110	0	0	0	0	0	0	0	0	100-110	0	2665	99.8
120	0.1541	0.2103	0.0920	0.1358	0.2469	0.1539	0.2283	0.2153	110-120	0.0434	2665	99.8
130	0.6405	0.7098	0.5785	0.5864	0.7464	0.6414	0.7518	0.7395	120-130	0.3674	2665	99.9
140	1.252	1.315	1.195	1.160	1.345	1.271	1.393	1.351	130-140	0.7466	2666	99.9
150	1.868	1.951	1.823	1.790	1.962	1.919	2.022	1.974	140-150	0.9960	2667	99.9
160	2.405	2.488	2.389	2.369	2.486	2.450	2.556	2.479	150-160	1.006	2668	100
170	2.769	2.876	2.796	2.795	2.855	2.826	2.914	2.825	160-170	0.7459	2669	100
180	2.929	2.975	2.951	2.936	2.935	2.975	2.963	2.924	170-180	0.2759	2669	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	663	336
80	950	793
75	1052	943
70	1079	1010
65	1250	1128
60	1559	1417
55	1956	1844
50	2421	2359
45	2902	2886

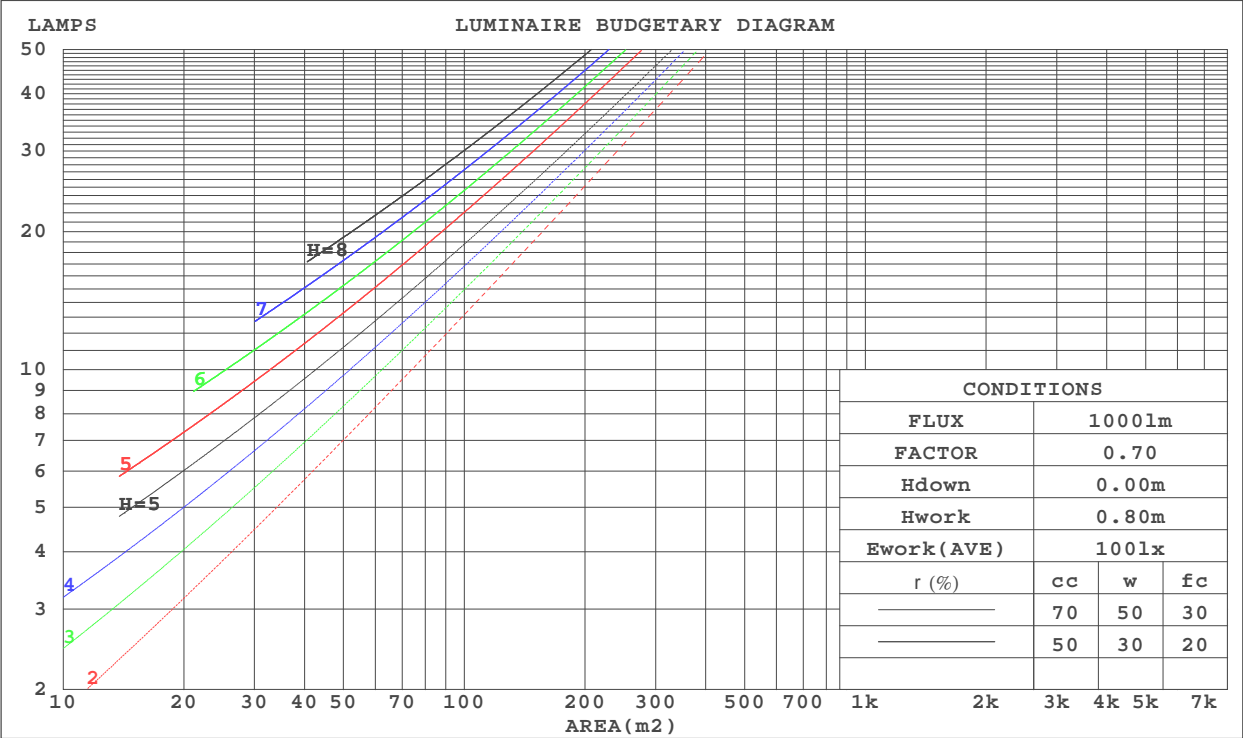
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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:0.1992A P:23.43W PF:0.9773 Lamp Flux:2669.01x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-3500KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-3500KM.:	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:0.1992A P:23.43W PF:0.9773 Lamp Flux:2669.01x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-3500KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-3500KM.:	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	.141	.045	.242	.138	.044	.229	.131	.042	.217	.125	.040	.206	.119	.038	
2.0	.239	.131	.040	.233	.128	.040	.222	.123	.038	.212	.119	.037	.202	.114	.036	
3.0	.226	.120	.036	.221	.118	.036	.211	.114	.035	.202	.110	.034	.193	.107	.033	
4.0	.212	.110	.032	.208	.109	.032	.199	.105	.032	.191	.102	.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	.170	.089	.026	.164	.087	.026	
7.0	.176	.087	.025	.173	.086	.025	.167	.084	.024	.161	.083	.024	.156	.081	.024	
8.0	.167	.081	.023	.164	.081	.023	.158	.079	.023	.153	.077	.022	.148	.076	.022	
9.0	.157	.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	.067	.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	.141	.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	.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	.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:0.1992A P:23.43W PF:0.9773 Lamp Flux:2669.01x1 lm										
NAME: F172#Selectfit downlight 6寸HO手板样 M-3500KPE:LED							WEIGHT:			
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-3500KM.:							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	14.4	15.8	14.7	15.9	16.1	14.2	15.5	14.5	15.7	15.9
3H	15.0	16.2	15.3	16.4	16.6	14.7	15.9	15.0	16.1	16.3
4H	15.2	16.4	15.5	16.6	16.9	14.9	16.0	15.2	16.3	16.5
6H	15.5	16.5	15.8	16.8	17.1	15.1	16.1	15.4	16.4	16.7
8H	15.5	16.5	15.8	16.8	17.1	15.1	16.1	15.4	16.4	16.7
12H	15.5	16.5	15.9	16.8	17.1	15.1	16.1	15.4	16.4	16.6
4H 2H	14.6	15.7	14.9	16.0	16.2	14.4	15.5	14.7	15.8	16.0
3H	15.3	16.3	15.7	16.6	16.9	15.0	16.0	15.4	16.3	16.6
4H	15.7	16.6	16.1	16.9	17.2	15.4	16.3	15.8	16.6	16.9
6H	16.1	16.8	16.5	17.2	17.6	15.7	16.5	16.1	16.8	17.2
8H	16.2	16.9	16.6	17.3	17.6	15.7	16.5	16.1	16.8	17.2
12H	16.2	16.9	16.6	17.3	17.7	15.7	16.4	16.2	16.8	17.2
8H 4H	15.8	16.5	16.2	16.9	17.3	15.5	16.2	15.9	16.6	17.0
6H	16.3	16.9	16.7	17.3	17.7	15.9	16.5	16.3	16.9	17.3
8H	16.4	17.0	16.9	17.4	17.9	16.0	16.5	16.5	17.0	17.4
12H	16.6	17.0	17.0	17.5	17.9	16.0	16.5	16.5	16.9	17.4
12H 4H	15.8	16.5	16.2	16.8	17.2	15.5	16.2	15.9	16.6	17.0
6H	16.3	16.8	16.7	17.2	17.7	15.9	16.4	16.4	16.9	17.3
8H	16.5	16.9	17.0	17.4	17.9	16.0	16.5	16.5	17.0	17.4
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 2669 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.4)

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:120.1V I:0.1992A P:23.43W PF:0.9773 Lamp Flux:2669.01x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-3500KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-3500KM.:	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	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

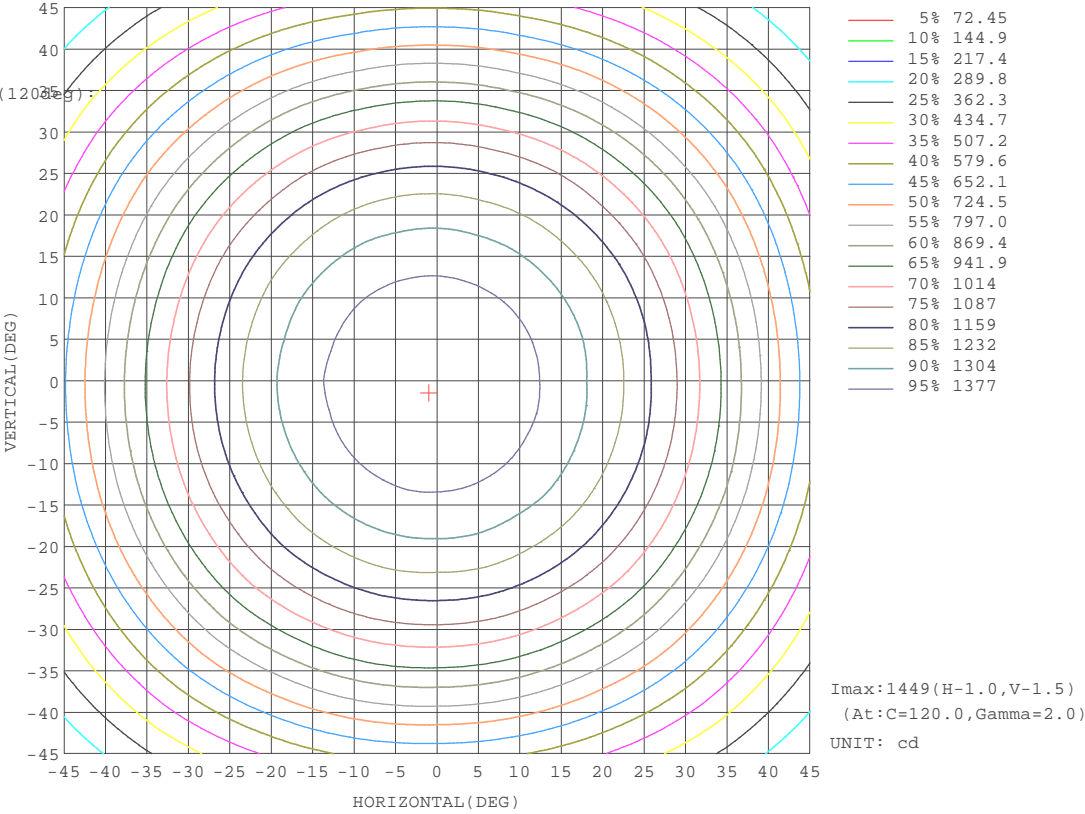
g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.627m [K=1.0000]
Remarks: TRP-240925SHA-01_F172
T409251

ISOCANDELA DIAGRAM

Test:U:120.1V I:0.1992A P:23.43W PF:0.9773 Lamp Flux:2669.01x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-3500KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-3500KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):
1896.6 lm
%lum = 71.1%
%lamp = 71.1%

Conical surface Flux(120deg):
2411.6 lm
%lum = 90.4%
%lamp = 90.4%

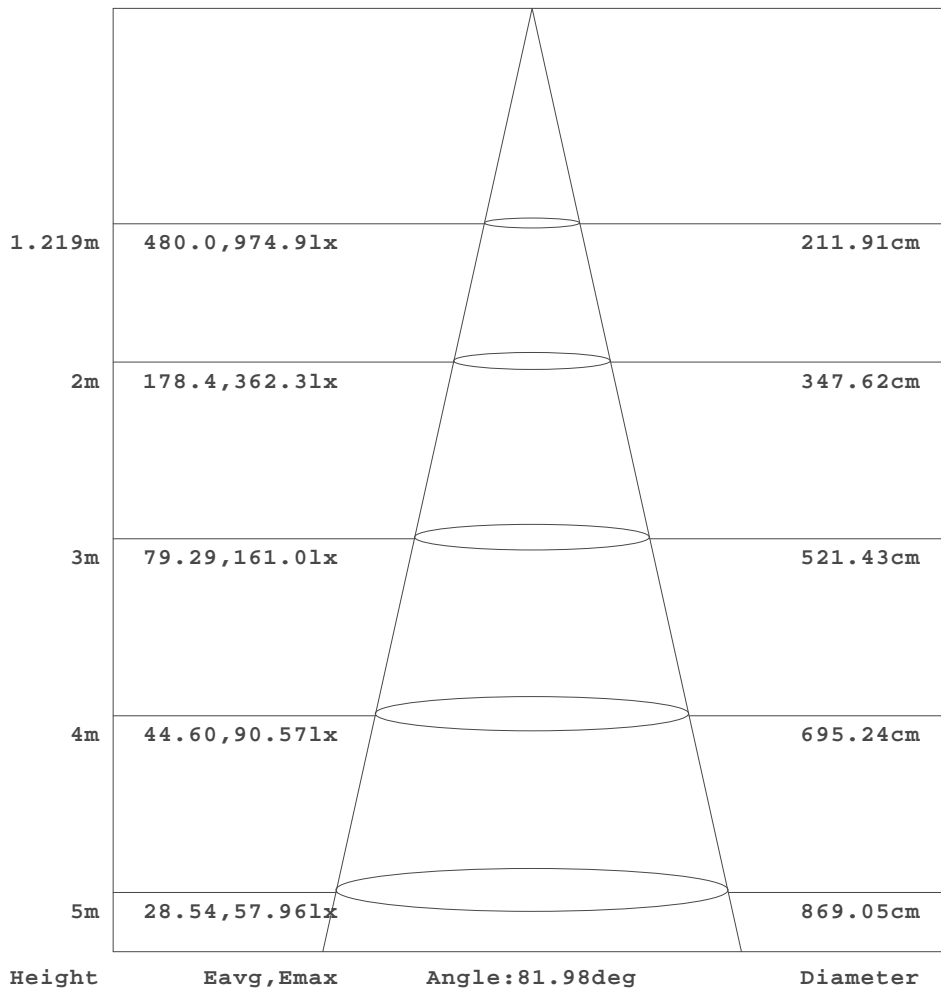


C Range: 0 - 360DEG	g Range: 0 - 180DEG
C Interval: 15.0DEG	g Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Temperature:25.3DEG	Humidity:65.0%
Operators:Aaron	Test Distance:10.627m [K=1.0000]
Test Date:2024-09-30	Remarks: TRP-240925SHA-01_F172
	T409251

AAI Figure

Test:U:120.1V I:0.1992A P:23.43W PF:0.9773 Lamp Flux:2669.01x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-3500KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-3500KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:1694 lm



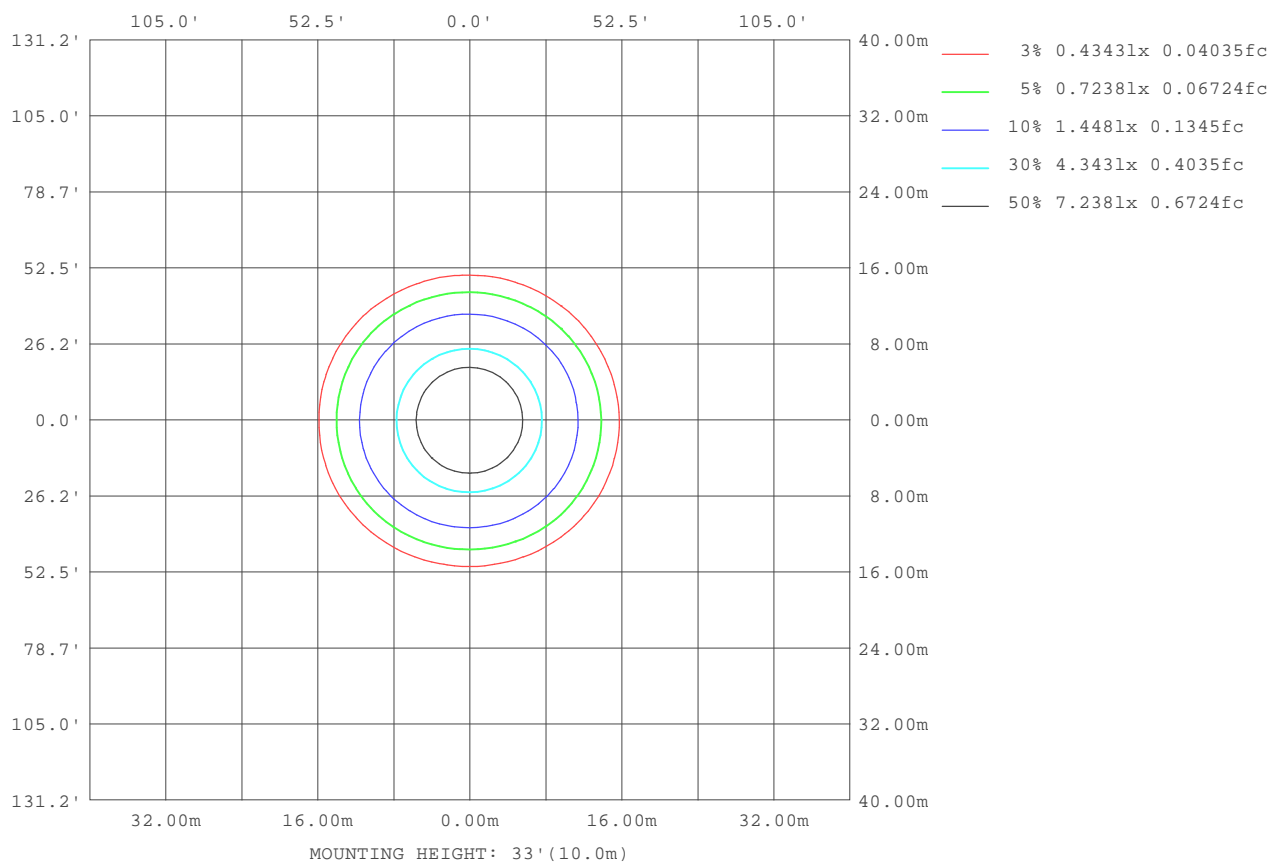
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

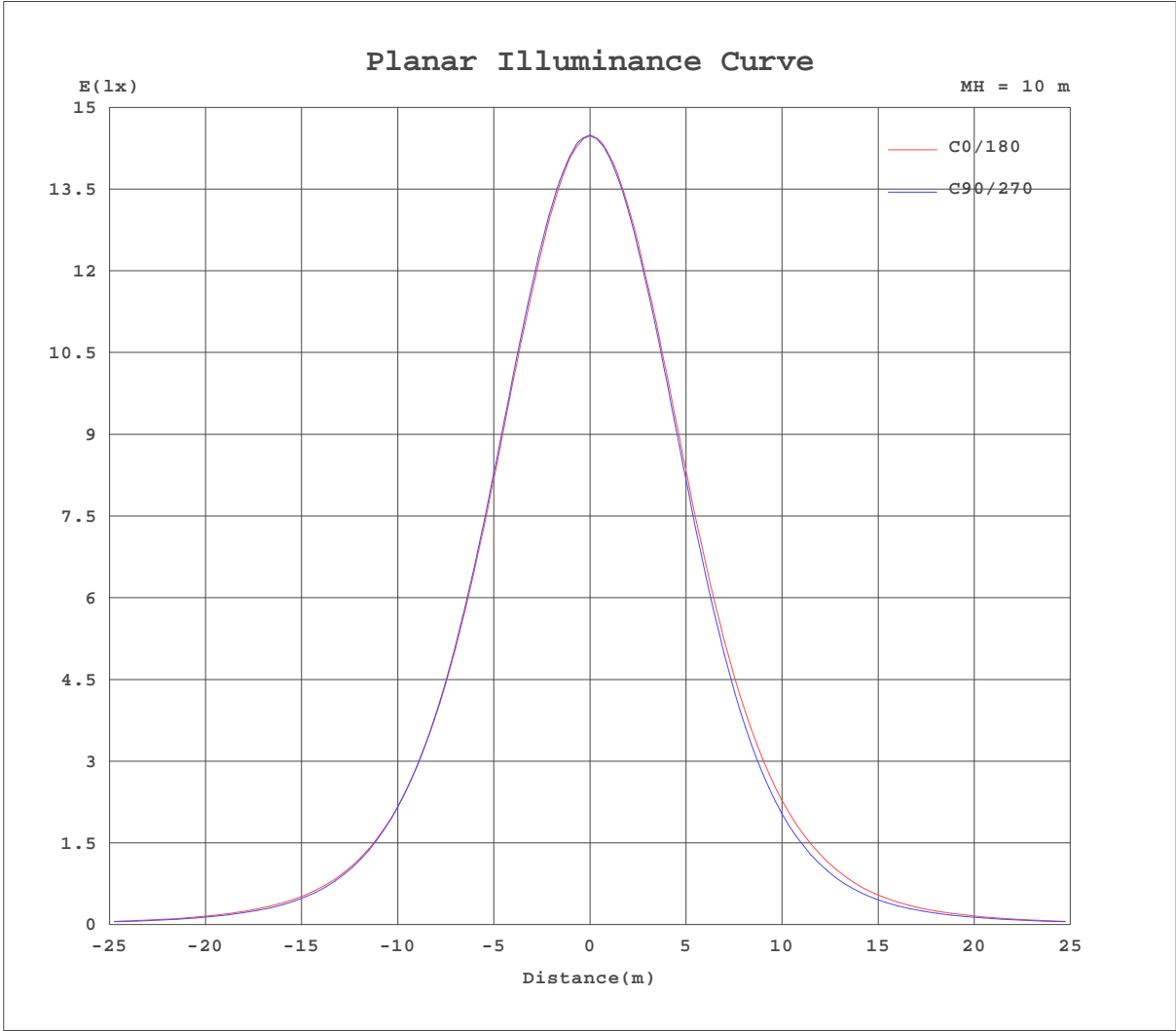
Test:U:120.1V I:0.1992A P:23.43W PF:0.9773 Lamp Flux:2669.01x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 M-3500KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 M-3500KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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