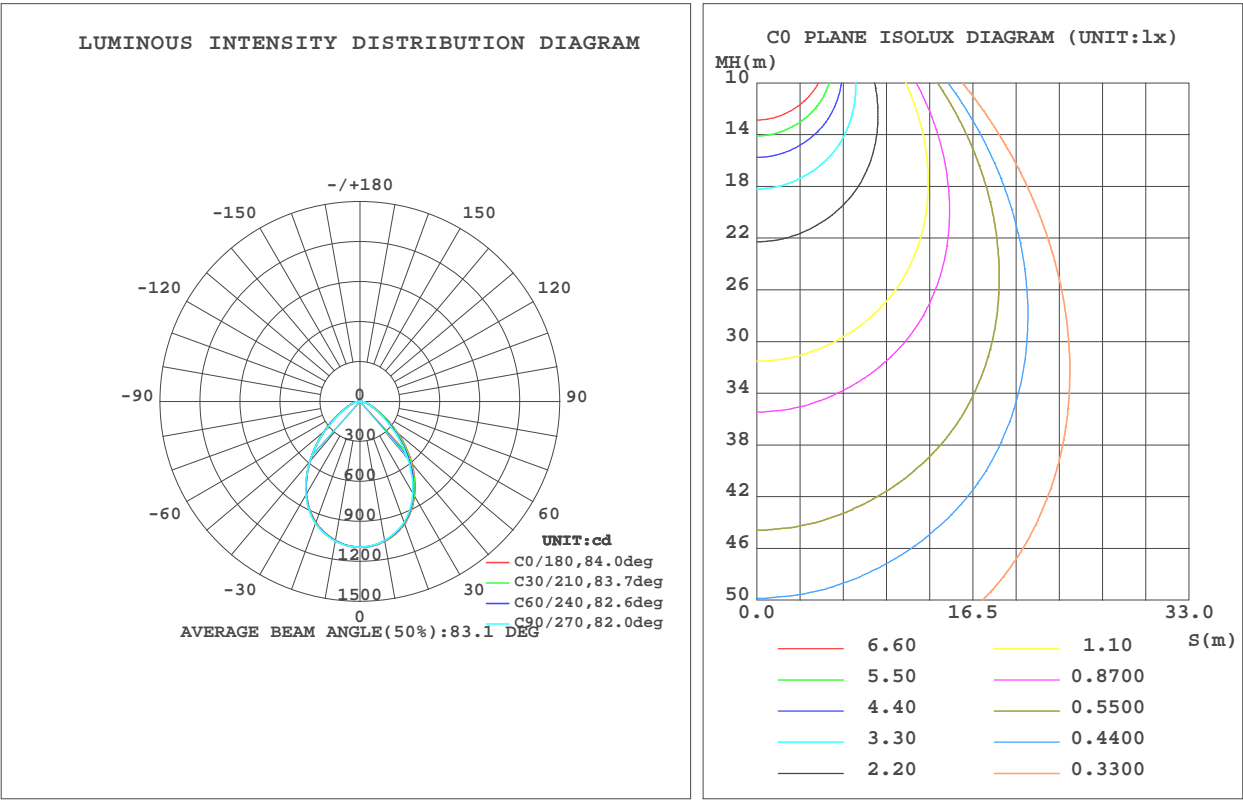


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.2V I:0.1519A P:17.33W PF:0.9659 Lamp Flux:2015.1lx1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-3500KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-3500KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.28 lm/W			
MODEL		Imax(cd)	1095	S/MH(C0/180)	1.14
NOMINAL POWER(W)	17.33	LOR(%)	100.0	S/MH(C90/270)	1.11
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2015.1	h UP,DN(C0-180)	0.1,50.4
NOMINAL FLUX(lm)	2015.11	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,49.5
LAMPS INSIDE	1	h up(%)	0.1	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	h down(%)	99.9	CIBSE SHR MAX	1.15



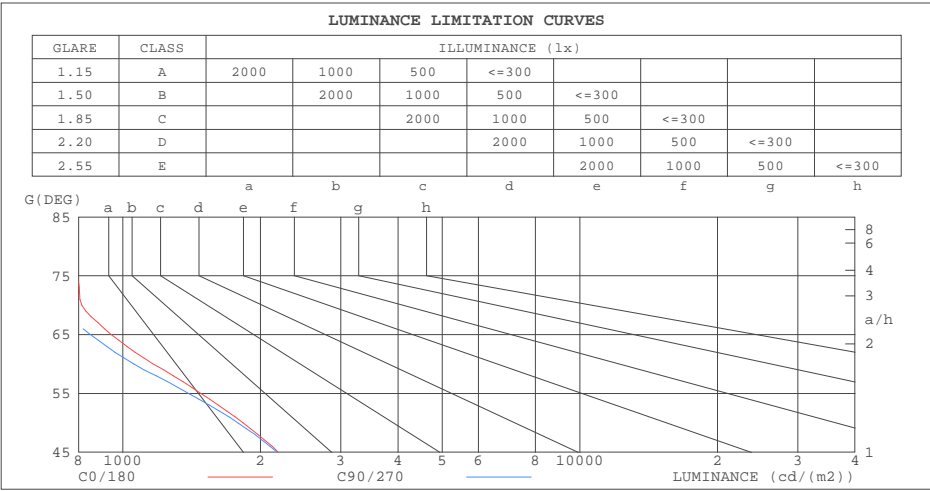
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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	1058	1062	1065	1065	1066	1062	1060	1057	0- 10	102.9	102.9	5.1
20	965.8	970.9	975.6	978.4	978.9	971.2	966.1	962.8	10- 20	288.0	390.9	19.4
30	802.8	808.3	811.3	820.4	820.2	806.6	793.8	794.7	20- 30	412.0	802.9	39.8
40	582.2	588.0	585.1	604.8	605.8	583.2	558.3	568.3	30- 40	436.2	1239	61.5
50	353.6	354.1	344.7	367.5	373.8	351.9	319.4	335.5	40- 50	358.1	1597	79.3
60	174.9	171.2	158.7	174.7	182.1	168.6	153.6	161.3	50- 60	224.5	1822	90.4
70	83.56	80.45	78.23	81.82	85.50	80.37	77.45	78.96	60- 70	116.2	1938	96.2
80	37.29	34.74	31.12	35.36	35.59	35.03	32.25	34.92	70- 80	61.35	1999	99.2
90	0	0	0	0	0	0	0	0	80- 90	13.25	2012	99.9
100	0	0	0	0	0	0	0	0	90-100	0	2012	99.9
110	0	0	0	0	0	0	0	0	100-110	0	2012	99.9
120	0	0.0248	0	0	0.0377	0	0.0309	0	110-120	0.0008	2012	99.9
130	0.3323	0.3946	0.2713	0.2964	0.4262	0.3203	0.4257	0.3884	120-130	0.1434	2013	99.9
140	0.7892	0.8504	0.7464	0.7285	0.8824	0.7879	0.9070	0.8516	130-140	0.4438	2013	99.9
150	1.252	1.324	1.227	1.204	1.339	1.274	1.388	1.327	140-150	0.6551	2014	99.9
160	1.659	1.731	1.641	1.636	1.734	1.687	1.789	1.703	150-160	0.6877	2014	100
170	1.937	2.027	1.943	1.963	2.012	1.977	2.048	1.956	160-170	0.5189	2015	100
180	2.055	2.082	2.073	2.049	2.055	2.076	2.091	2.037	170-180	0.1932	2015	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	497	249
80	715	597
75	796	710
70	814	762
65	944	850
60	1165	1058
55	1482	1395
50	1833	1787
45	2190	2180

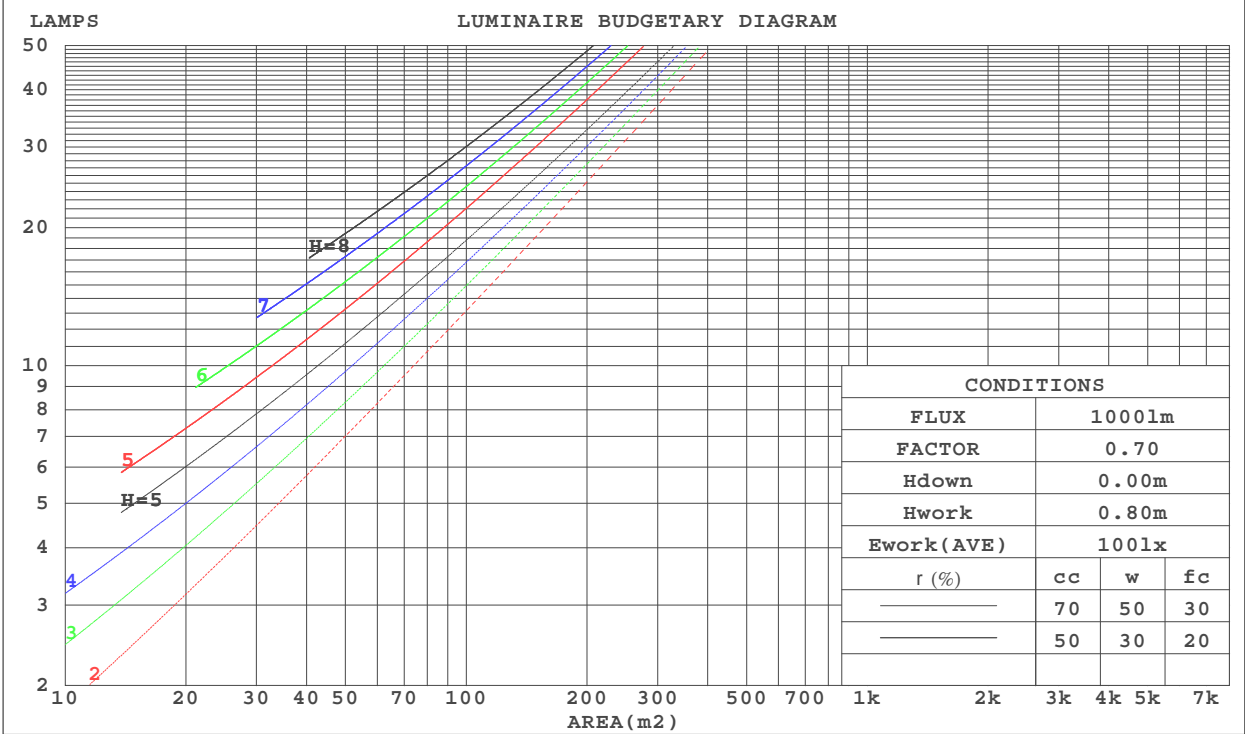
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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:0.1519A P:17.33W PF:0.9659 Lamp Flux:2015.11x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-3500KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-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:120.2V I:0.1519A P:17.33W PF:0.9659 Lamp Flux:2015.11x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-3500KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-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	.211	.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	.031	.191	.102	.031	.183	.100	.030	
5.0	.199	.102	.029	.195	.100	.029	.187	.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	.166	.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	.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	.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	.049	.019	.017	.016	
2.0	.166	.133	.105	.142	.115	.091	.098	.079	.064	.056	.046	.037	.018	.015	.012	
3.0	.157	.115	.082	.135	.099	.071	.092	.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	.141	.090	.053	.121	.078	.046	.084	.055	.032	.048	.032	.019	.016	.010	.006	
6.0	.134	.082	.044	.115	.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	.100	.055	.025	.070	.039	.017	.041	.023	.010	.013	.008	.003	
10.0	.111	.060	.025	.096	.052	.022	.067	.036	.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:120.2V I:0.1519A P:17.33W PF:0.9659 Lamp Flux:2015.11x1 lm										
NAME: F172#Selectfit downlight 6寸HO手板样 L-3500KPE:LED							WEIGHT:			
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-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	13.5	14.8	13.7	15.0	15.2	13.2	14.5	13.5	14.7	14.9
3H	14.0	15.2	14.3	15.4	15.7	13.7	14.9	14.0	15.1	15.3
4H	14.3	15.4	14.6	15.6	15.9	13.9	15.1	14.2	15.3	15.6
6H	14.5	15.6	14.8	15.8	16.1	14.1	15.2	14.4	15.4	15.7
8H	14.5	15.6	14.9	15.8	16.1	14.1	15.1	14.5	15.4	15.7
12H	14.6	15.5	14.9	15.8	16.1	14.1	15.1	14.4	15.4	15.7
4H 2H	13.6	14.8	13.9	15.0	15.3	13.4	14.6	13.7	14.8	15.0
3H	14.3	15.3	14.7	15.6	15.9	14.1	15.1	14.4	15.3	15.6
4H	14.7	15.6	15.1	15.9	16.3	14.4	15.3	14.8	15.6	16.0
6H	15.1	15.9	15.5	16.2	16.6	14.7	15.5	15.1	15.8	16.2
8H	15.2	15.9	15.6	16.3	16.7	14.8	15.5	15.2	15.8	16.2
12H	15.2	15.9	15.7	16.3	16.7	14.7	15.4	15.2	15.8	16.2
8H 4H	14.8	15.6	15.2	15.9	16.3	14.5	15.3	14.9	15.6	16.0
6H	15.3	15.9	15.7	16.3	16.7	14.9	15.5	15.3	15.9	16.3
8H	15.5	16.0	15.9	16.4	16.9	15.0	15.6	15.5	16.0	16.4
12H	15.6	16.0	16.1	16.5	17.0	15.0	15.5	15.5	15.9	16.4
12H 4H	14.8	15.5	15.2	15.9	16.3	14.5	15.2	15.0	15.6	16.0
6H	15.3	15.8	15.8	16.3	16.7	14.9	15.5	15.4	15.9	16.3
8H	15.5	16.0	16.0	16.4	16.9	15.1	15.5	15.5	16.0	16.4
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 / - 1.0					+ 1.4 / - 1.2				

CIE Pub.117 Corrected 2015 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:120.2V I:0.1519A P:17.33W PF:0.9659 Lamp Flux:2015.11x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-3500KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-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	52	67	57	51	66	57	51	46
0.80	77	68	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	81	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	106	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

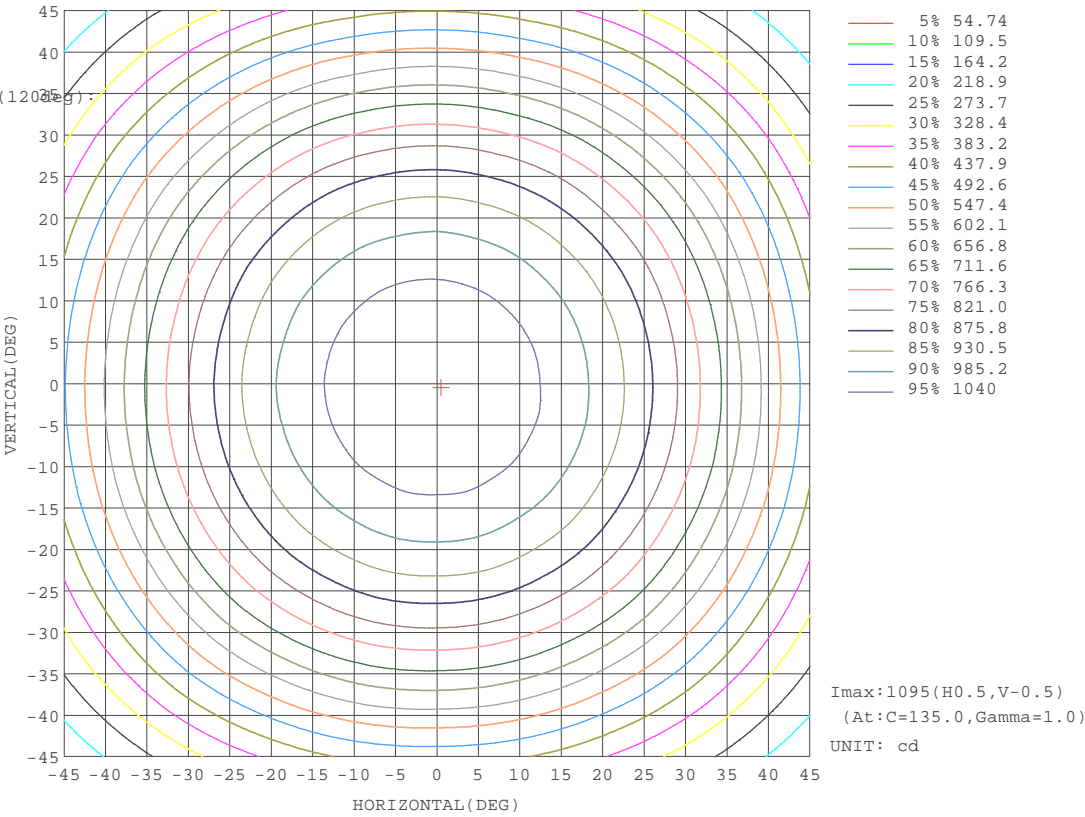
g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.627m [K=1.0000]
Remarks: TRP-240925SHA-01_F172
T409251

ISOCANDELA DIAGRAM

Test:U:120.2V I:0.1519A P:17.33W PF:0.9659 Lamp Flux:2015.11x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-3500KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-3500K.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):
1433.1 lm
%lum = 71.1%
%lamp = 71.1%

Conical surface Flux(120deg):
1821.7 lm
%lum = 90.4%
%lamp = 90.4%



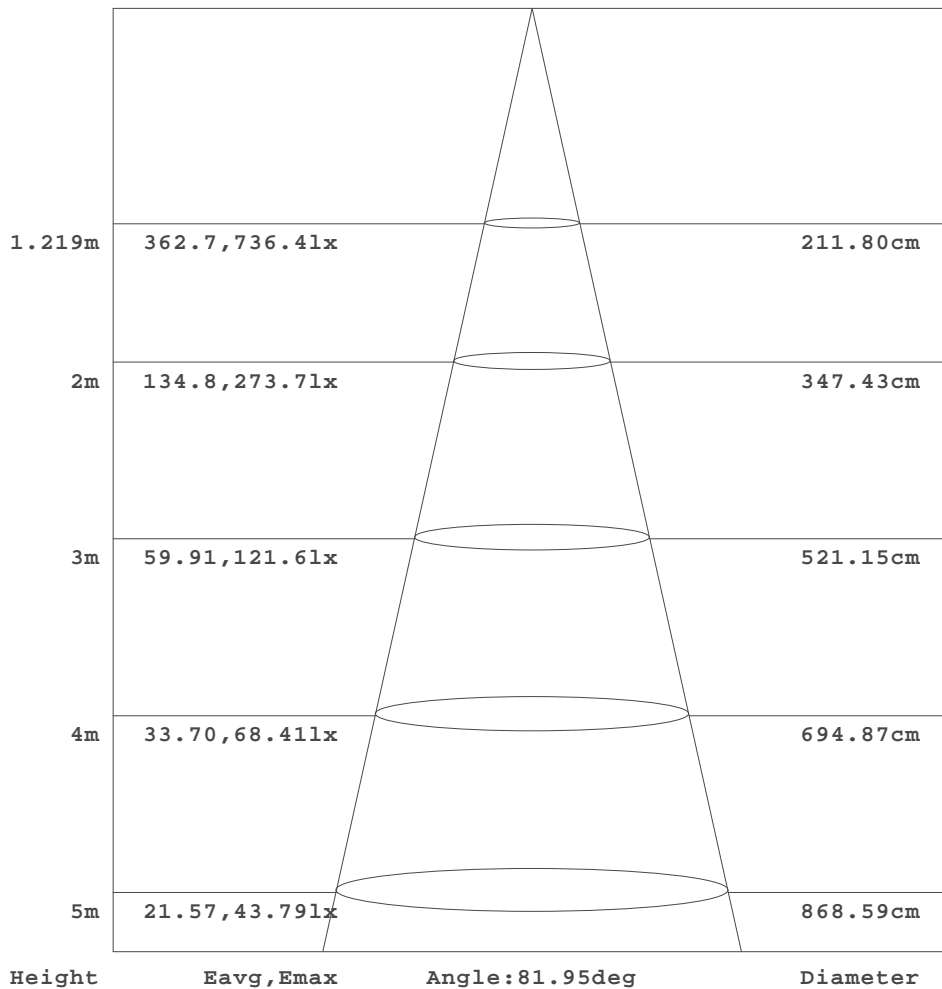
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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

AAI Figure

Test:U:120.2V I:0.1519A P:17.33W PF:0.9659 Lamp Flux:2015.11x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-3500K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-3500K	DM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:1280 lm



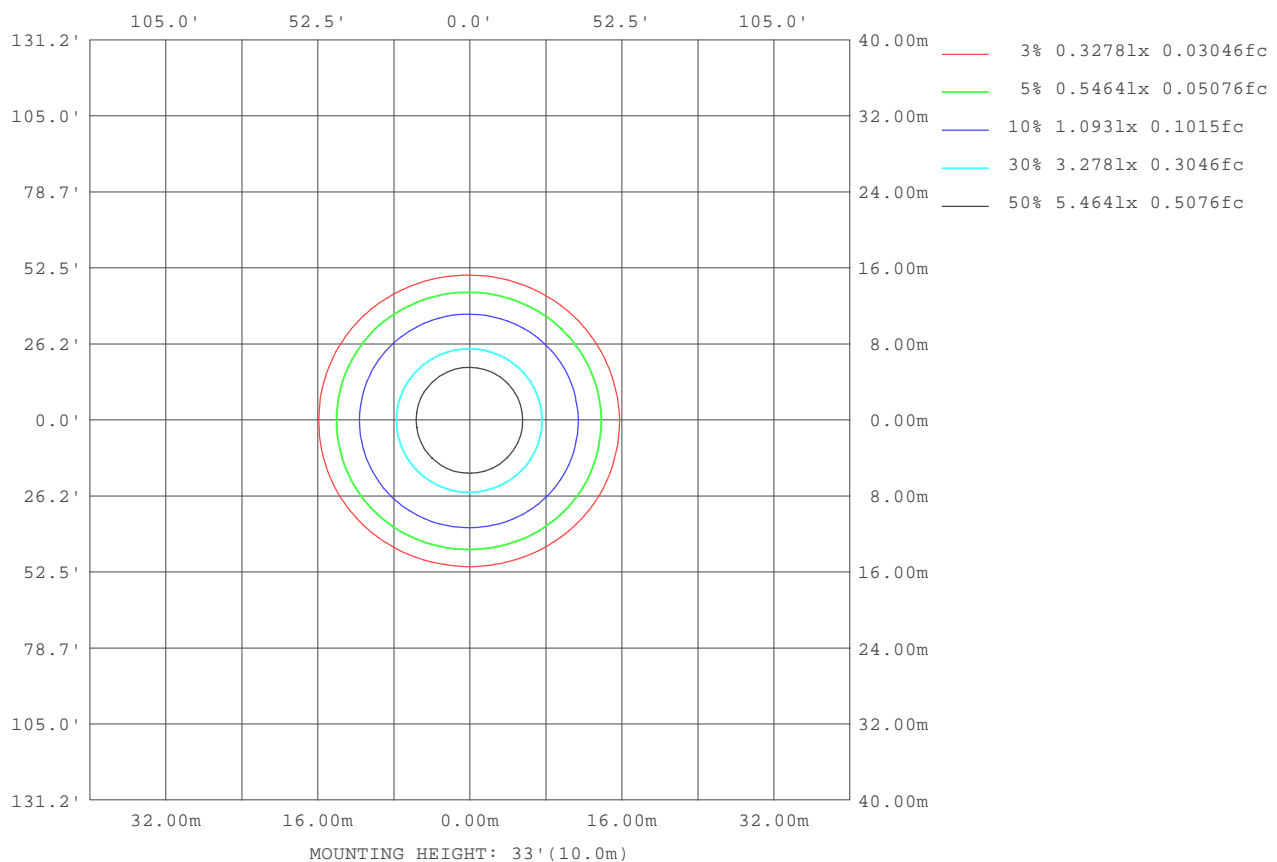
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

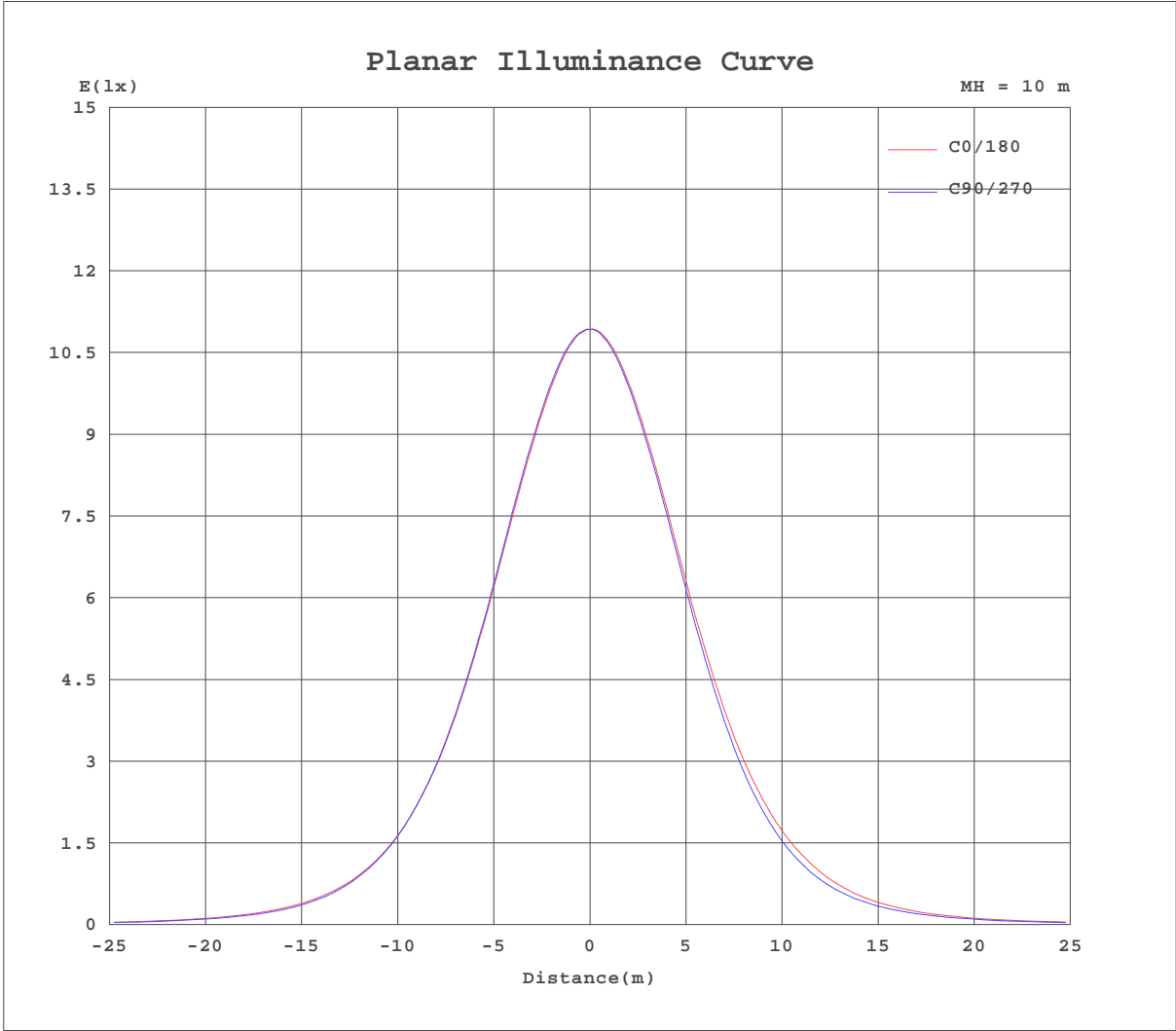
Test:U:120.2V I:0.1519A P:17.33W PF:0.9659 Lamp Flux:2015.11x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 L-3500KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 L-3500KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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