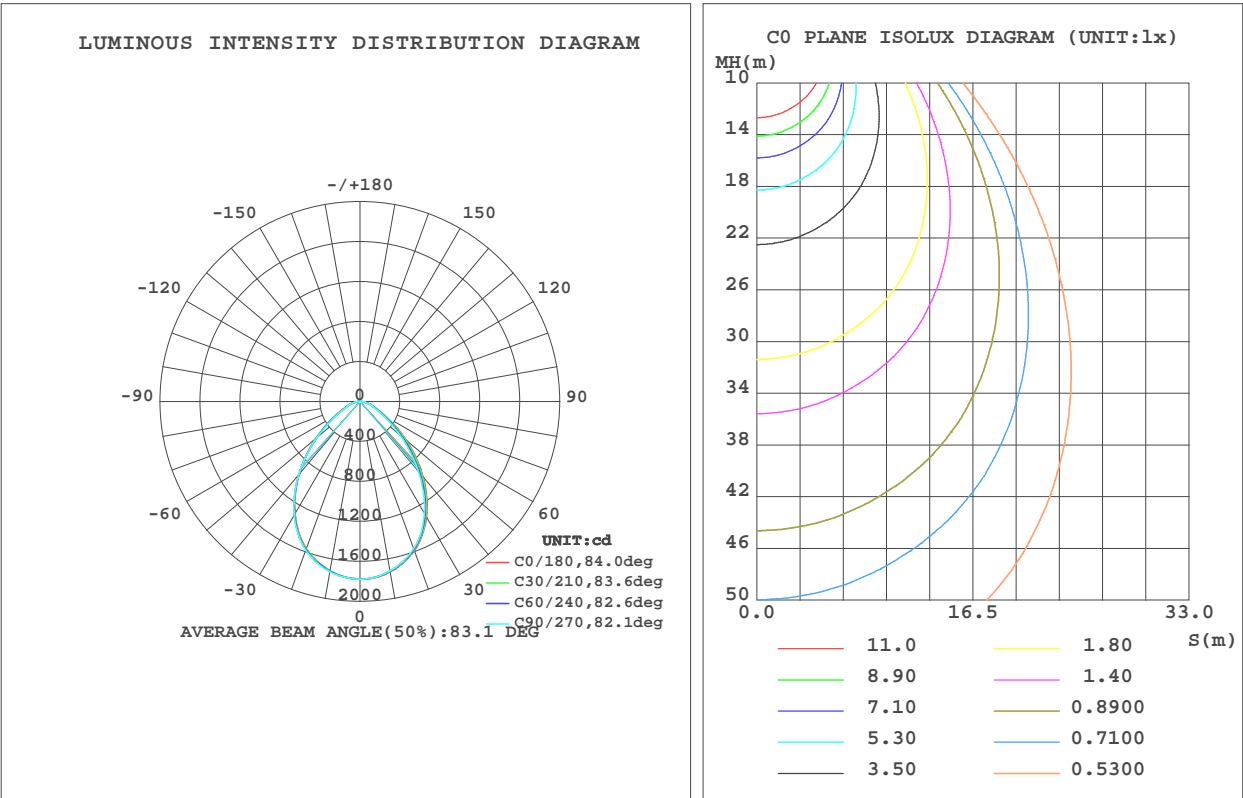


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.4V I:0.2459A P:28.97W PF:0.9781 Lamp Flux:3278.72x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-4000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-4000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.18 lm/W			
MODEL		Imax(cd)	1779	S/MH(C0/180)	1.13
NOMINAL POWER(W)	28.97	LOR(%)	100.0	S/MH(C90/270)	1.11
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3278.7	h UP,DN(C0-180)	0.1,50.4
NOMINAL FLUX(lm)	3278.72	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



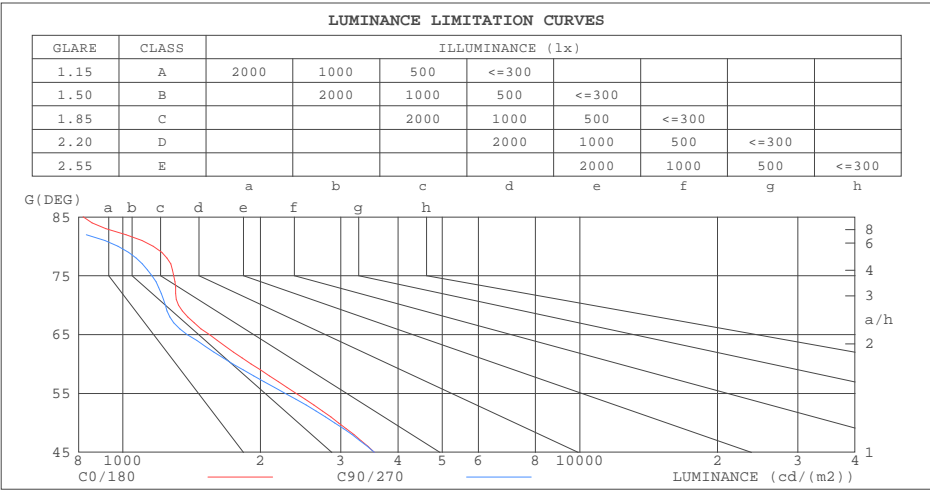
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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	1720	1724	1730	1733	1732	1725	1722	1718	0- 10	167.1	167.1	5.1
20	1568	1579	1585	1590	1591	1581	1569	1566	10- 20	468.0	635.1	19.4
30	1299	1314	1316	1333	1332	1312	1289	1290	20- 30	669.3	1304	39.8
40	944.4	954.2	951.3	982.9	984.5	949.1	908.4	922.7	30- 40	708.2	2013	61.4
50	573.3	580.3	561.6	601.2	610.7	574.2	525.3	545.3	40- 50	582.3	2595	79.1
60	287.0	278.8	261.5	284.4	296.5	277.9	250.9	265.2	50- 60	366.5	2961	90.3
70	136.1	130.9	127.3	133.2	139.2	131.0	126.0	128.5	60- 70	189.9	3151	96.1
80	60.87	56.62	50.85	57.78	58.13	57.34	52.65	57.05	70- 80	99.97	3251	99.2
90	0	0	0	0	0	0	0	0	80- 90	21.83	3273	99.8
100	0	0	0	0	0	0	0	0	90-100	0.0000	3273	99.8
110	0	0	0	0	0.0004	0	0.0001	0	100-110	0.0000	3273	99.8
120	0.3452	0.3948	0.2647	0.3087	0.4266	0.3141	0.4137	0.4069	110-120	0.1369	3273	99.8
130	0.9452	1.006	0.8691	0.8635	1.038	0.9305	1.055	1.042	120-130	0.5735	3274	99.8
140	1.692	1.758	1.629	1.573	1.779	1.683	1.827	1.800	130-140	1.021	3275	99.9
150	2.452	2.529	2.424	2.338	2.521	2.479	2.599	2.559	140-150	1.308	3276	99.9
160	3.101	3.164	3.078	3.035	3.163	3.133	3.252	3.157	150-160	1.295	3277	100
170	3.539	3.633	3.554	3.541	3.620	3.614	3.677	3.601	160-170	0.9496	3278	100
180	3.725	3.805	3.764	3.738	3.731	3.811	3.801	3.725	170-180	0.3508	3279	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	818	417
80	1166	976
75	1292	1159
70	1324	1240
65	1549	1383
60	1910	1743
55	2398	2267
50	2968	2911
45	3551	3551

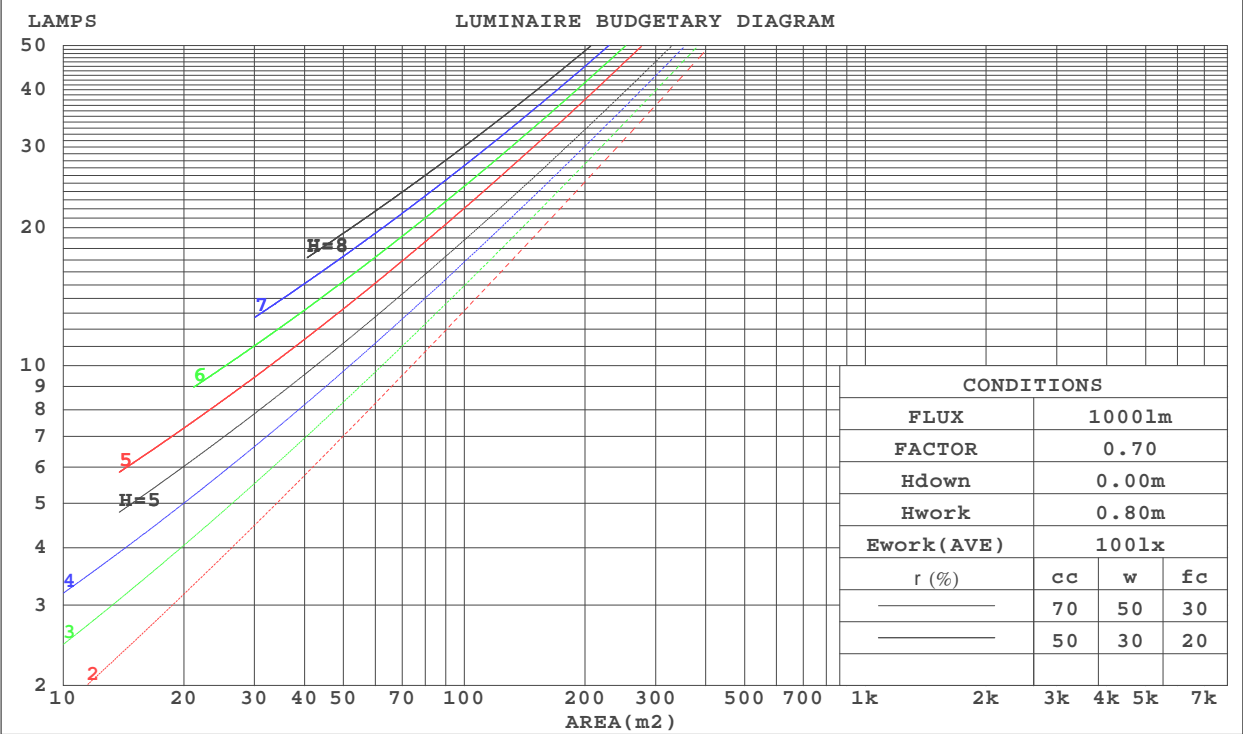
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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:120.4V I:0.2459A P:28.97W PF:0.9781 Lamp Flux:3278.72x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-4000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-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:120.4V I:0.2459A P:28.97W PF:0.9781 Lamp Flux:3278.72x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-4000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-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	.110	.034	.193	.107	.033	
4.0	.212	.110	.032	.208	.109	.032	.199	.106	.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	.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	.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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.177	.158	.141	.152	.136	.121	.104	.093	.084	.060	.054	.049	.019	.017	.016	
2.0	.167	.133	.106	.143	.115	.091	.098	.080	.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	.102	.065	.128	.088	.057	.088	.061	.040	.051	.036	.024	.016	.012	.008	
5.0	.142	.091	.053	.122	.078	.046	.084	.055	.033	.049	.032	.019	.016	.011	.006	
6.0	.135	.082	.044	.116	.071	.039	.080	.050	.027	.046	.029	.016	.015	.010	.005	
7.0	.128	.075	.038	.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	.029	.101	.056	.025	.070	.039	.018	.041	.023	.011	.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:120.4V I:0.2459A P:28.97W PF:0.9781 Lamp Flux:3278.72x1 lm										
NAME: F172#Selectfit downlight 6寸HO手板样 H-4000KPE:LED								WEIGHT:		
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-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	15.2	16.5	15.4	16.7	16.9	14.9	16.2	15.2	16.4	16.6
3H	15.7	16.9	16.0	17.1	17.3	15.4	16.6	15.7	16.8	17.1
4H	16.0	17.1	16.3	17.3	17.6	15.6	16.8	15.9	17.0	17.3
6H	16.2	17.2	16.5	17.5	17.8	15.8	16.9	16.1	17.1	17.4
8H	16.2	17.3	16.6	17.5	17.8	15.8	16.9	16.2	17.1	17.4
12H	16.2	17.2	16.6	17.5	17.8	15.8	16.8	16.2	17.1	17.4
4H 2H	15.3	16.5	15.6	16.7	17.0	15.1	16.3	15.4	16.5	16.8
3H	16.0	17.0	16.4	17.3	17.6	15.8	16.8	16.1	17.0	17.3
4H	16.4	17.3	16.8	17.6	18.0	16.1	17.0	16.5	17.3	17.7
6H	16.8	17.6	17.2	17.9	18.3	16.4	17.2	16.8	17.5	17.9
8H	16.9	17.6	17.3	18.0	18.4	16.5	17.2	16.9	17.6	17.9
12H	16.9	17.6	17.4	18.0	18.4	16.5	17.1	16.9	17.5	17.9
8H 4H	16.5	17.3	16.9	17.6	18.0	16.2	17.0	16.6	17.3	17.7
6H	17.0	17.6	17.4	18.0	18.4	16.6	17.2	17.1	17.6	18.0
8H	17.2	17.7	17.6	18.1	18.6	16.7	17.3	17.2	17.7	18.1
12H	17.3	17.7	17.8	18.2	18.7	16.8	17.2	17.2	17.7	18.1
12H 4H	16.5	17.2	16.9	17.6	18.0	16.2	16.9	16.7	17.3	17.7
6H	17.0	17.5	17.5	18.0	18.4	16.6	17.2	17.1	17.6	18.0
8H	17.2	17.7	17.7	18.1	18.6	16.8	17.2	17.2	17.7	18.2
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 3279 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.1)

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:120.4V I:0.2459A P:28.97W PF:0.9781 Lamp Flux:3278.72x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-4000K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-4000K	M.:	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:120.4V I:0.2459A P:28.97W PF:0.9781 Lamp Flux:3278.72x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-4000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-4000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

2327.7 lm

%lum = 71.0%

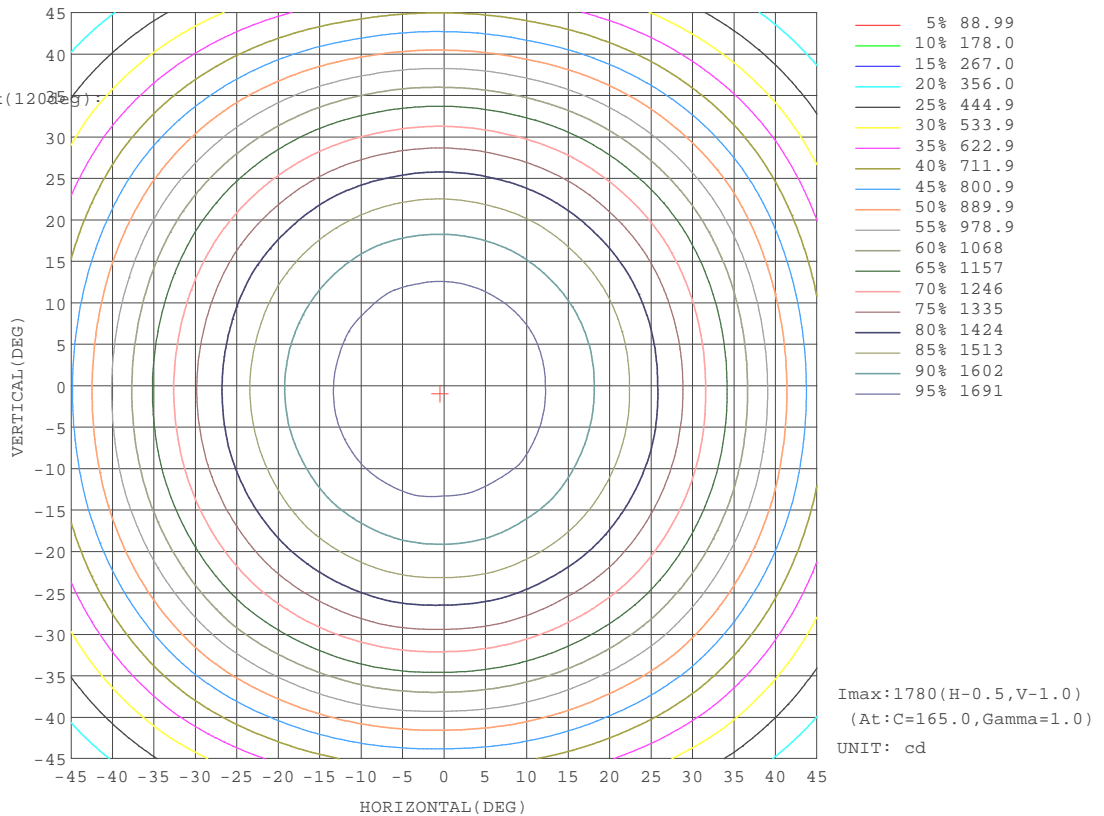
%lamp = 71.0%

Conical surface Flux(120deg):

2961.4 lm

%lum = 90.3%

%lamp = 90.3%



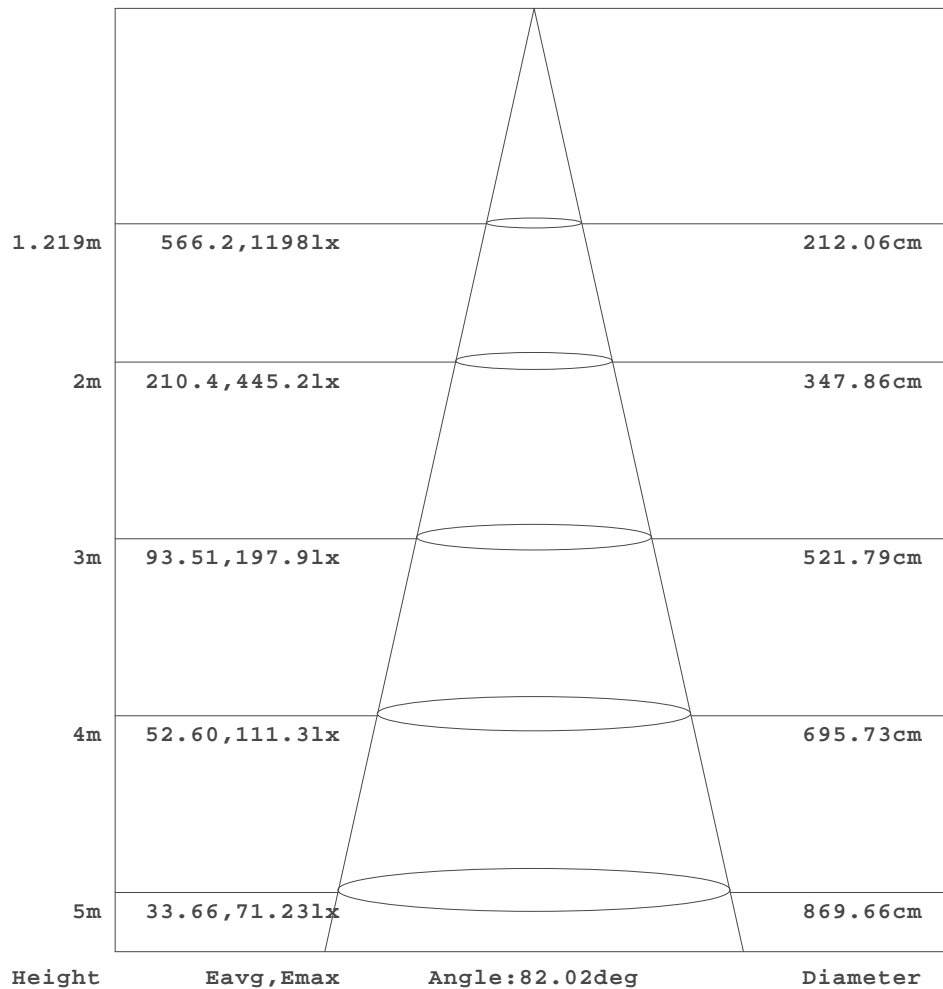
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-30

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:120.4V I:0.2459A P:28.97W PF:0.9781 Lamp Flux:3278.72x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-4000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-4000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:2144 lm



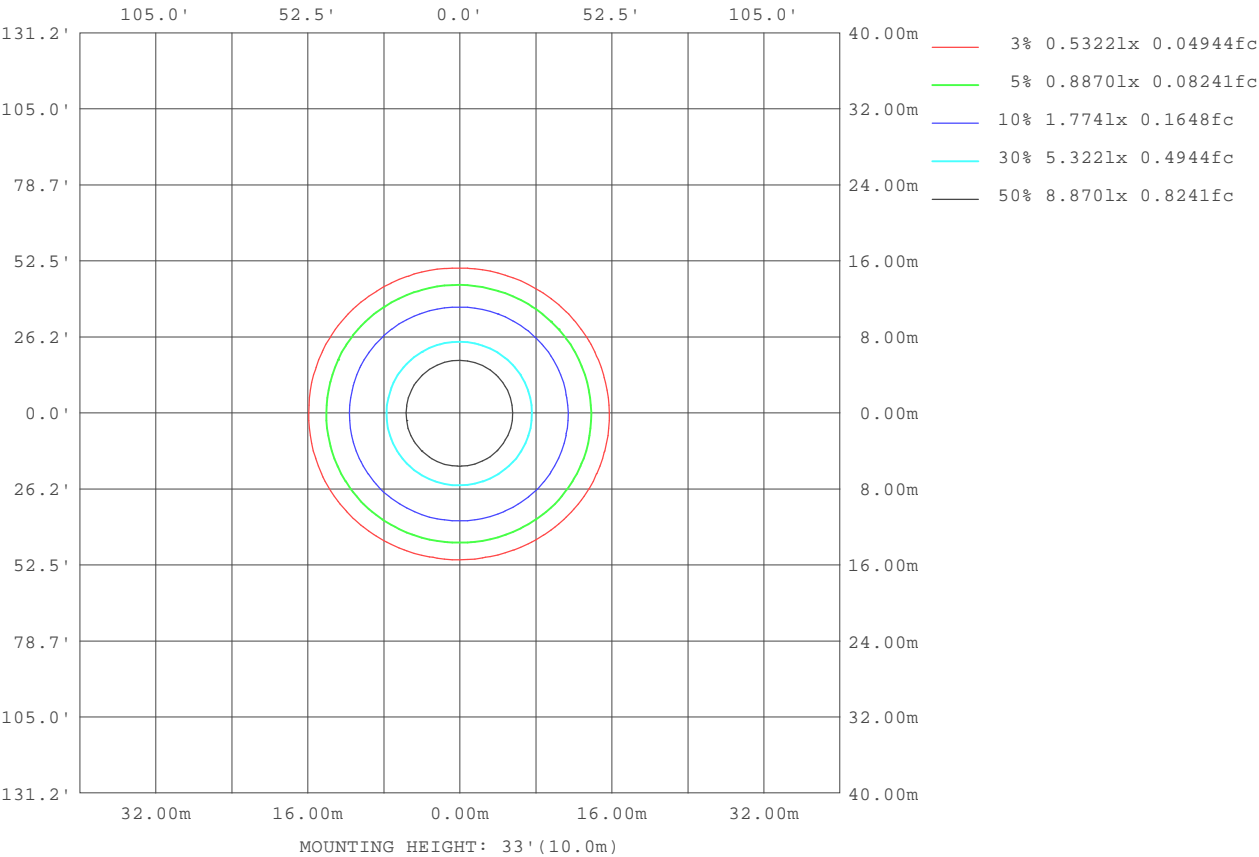
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

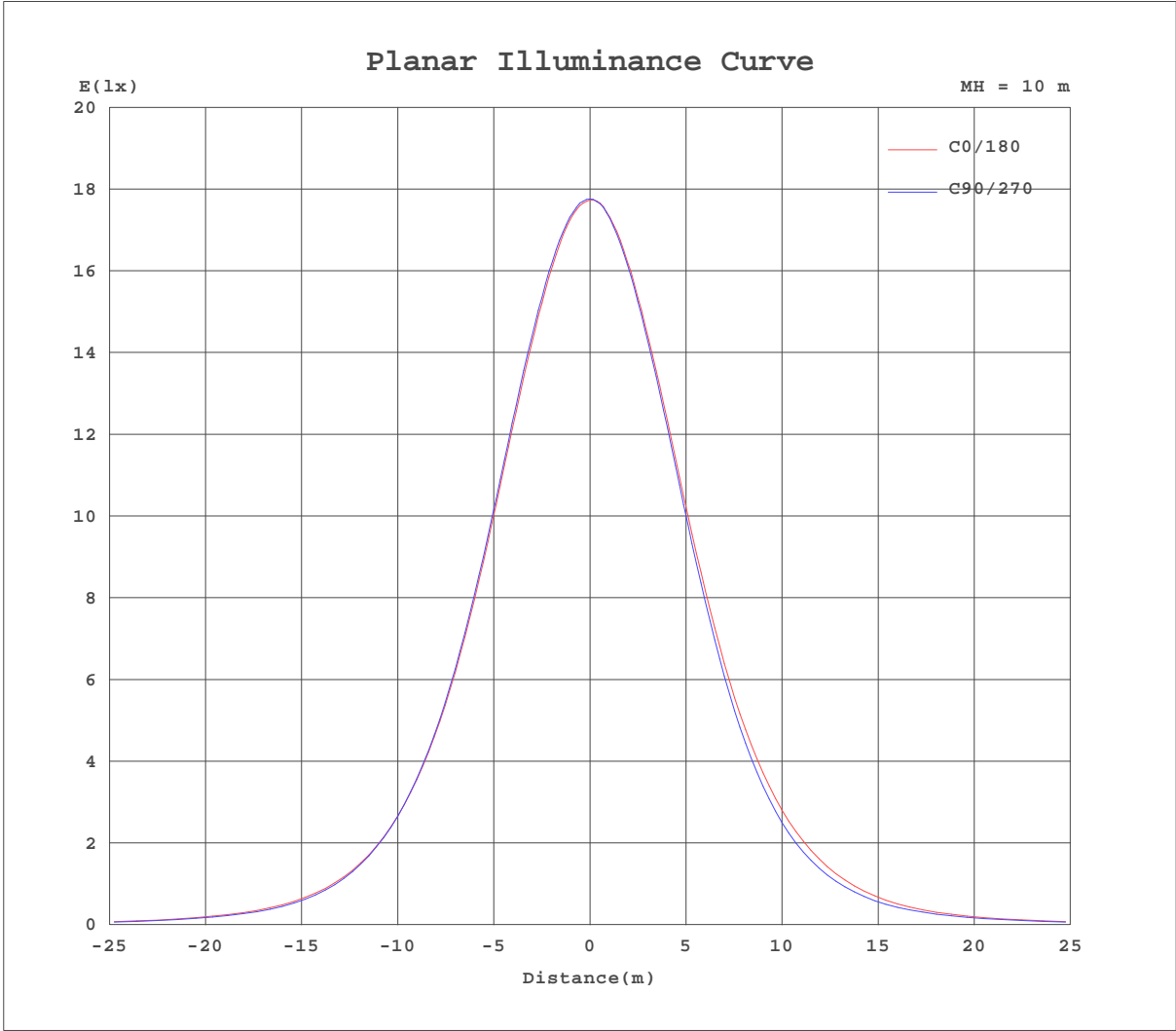
Test:U:120.4V I:0.2459A P:28.97W PF:0.9781 Lamp Flux:3278.72x1 lm		
NAME: F172#Selectfit downlight 6寸HO手板样 H-4000KPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸HO手板样 H-4000KM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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%
Test Distance:10.627m [K=1.0000]
Remarks: TRP-240925SHA-01_F172
T409251