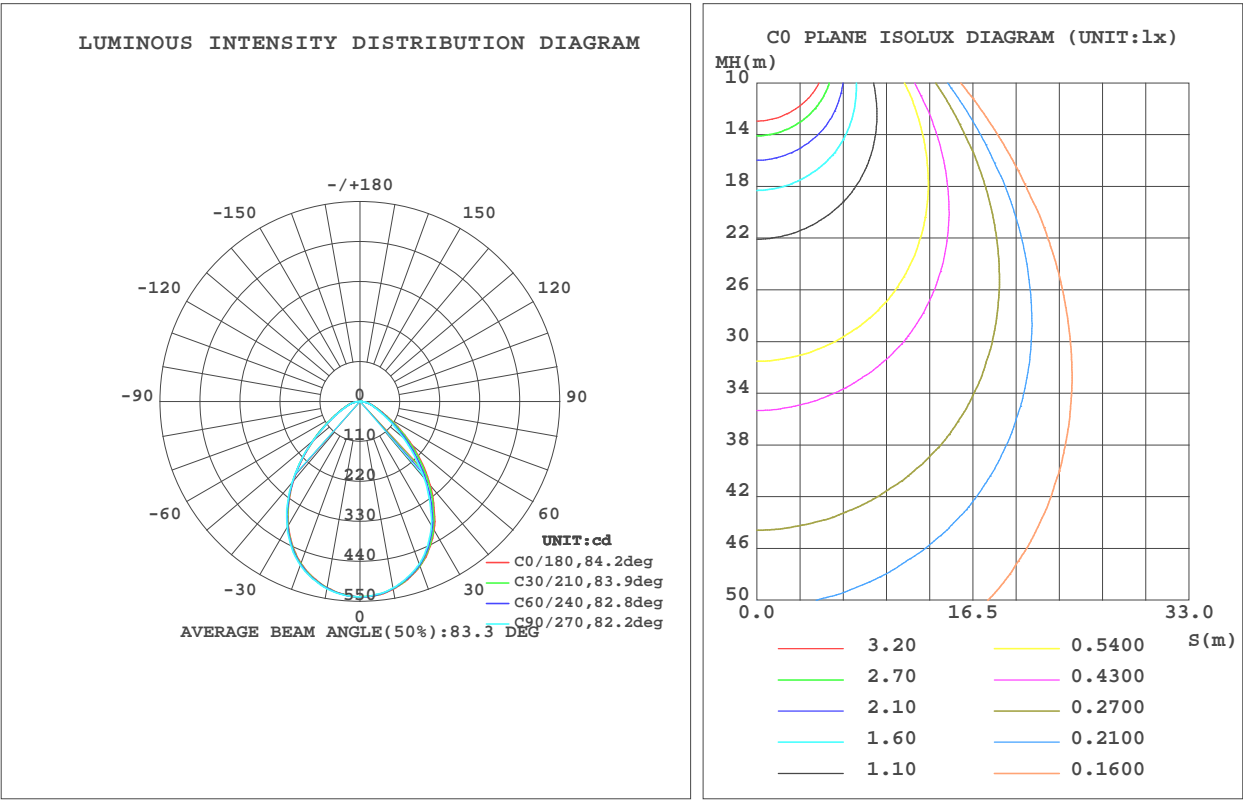


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.3V I:0.0809A P:8.700W PF:0.8924 Lamp Flux:993.517x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 L-4000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 L-4000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 114.20 lm/W			
MODEL		Imax(cd)	537.9	S/MH(C0/180)	1.15
NOMINAL POWER(W)	8.7	LOR(%)	100.0	S/MH(C90/270)	1.11
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	993.52	h UP,DN(C0-180)	0.0,50.4
NOMINAL FLUX(lm)	993.517	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,49.5
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



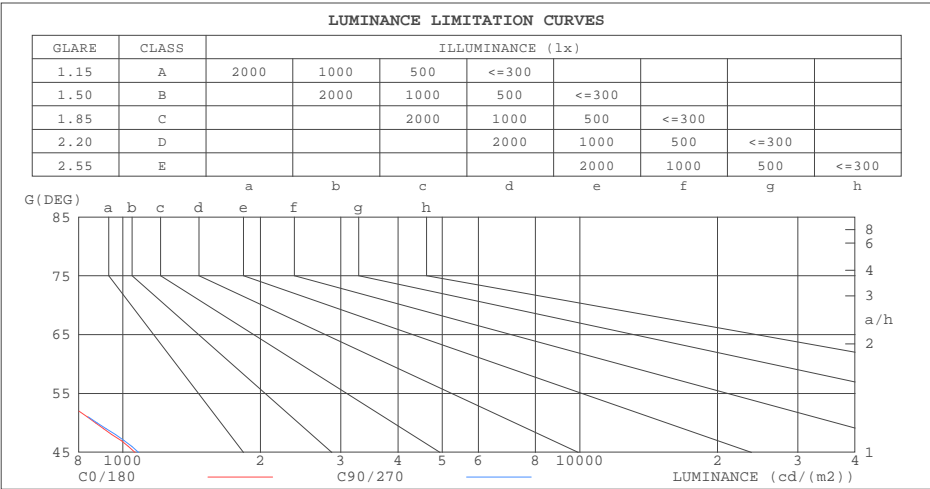
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-14

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-240913SHA-02_F172
T409132

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	520.1	521.3	523.2	523.4	524.5	523.0	521.8	519.3	0~ 10	50.56	50.56	5.09
20	474.7	476.6	479.9	481.3	483.0	478.8	476.2	473.2	10~ 20	141.7	192.3	19.4
30	394.7	397.9	401.0	406.8	408.0	400.5	393.1	391.8	20~ 30	203.3	395.6	39.8
40	285.2	286.4	290.7	300.0	300.9	291.6	274.3	279.7	30~ 40	215.6	611.2	61.5
50	168.5	172.0	169.5	183.6	187.0	174.3	156.7	161.4	40~ 50	176.4	787.6	79.3
60	82.91	83.27	79.71	88.99	92.17	84.50	75.58	77.48	50~ 60	110.2	897.8	90.4
70	41.03	39.95	39.37	41.70	43.62	40.69	38.86	38.97	60~ 70	57.95	955.7	96.2
80	18.22	16.96	15.60	18.12	18.24	17.59	15.90	16.90	70~ 80	30.71	986.4	99.3
90	0	0	0	0	0	0	0	0	80~ 90	6.492	992.9	99.9
100	0	0	0	0	0	0	0	0	90~100	0	992.9	99.9
110	0	0	0	0	0	0	0	0	100~110	0	992.9	99.9
120	0	0	0	0	0	0	0	0	110~120	0	992.9	99.9
130	0	0	0	0	0	0	0	0	120~130	0	992.9	99.9
140	0.0802	0.1480	0.0616	0.0742	0.1423	0.0677	0.1728	0.1106	130~140	0.0218	992.9	99.9
150	0.2962	0.3823	0.2774	0.3020	0.3704	0.3143	0.4073	0.3510	140~150	0.1358	993.1	100
160	0.4938	0.5734	0.4932	0.5237	0.5682	0.5053	0.6045	0.5478	150~160	0.2033	993.3	100
170	0.6421	0.7089	0.6437	0.6899	0.6819	0.6595	0.7277	0.6639	160~170	0.1718	993.5	100
180	0.6914	0.7459	0.7276	0.7023	0.6914	0.7335	0.7523	0.6899	170~180	0.0662	993.5	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	226	121
80	349	300
75	388	358
70	399	384
65	455	432
60	552	531
55	698	688
50	873	879
45	1064	1083

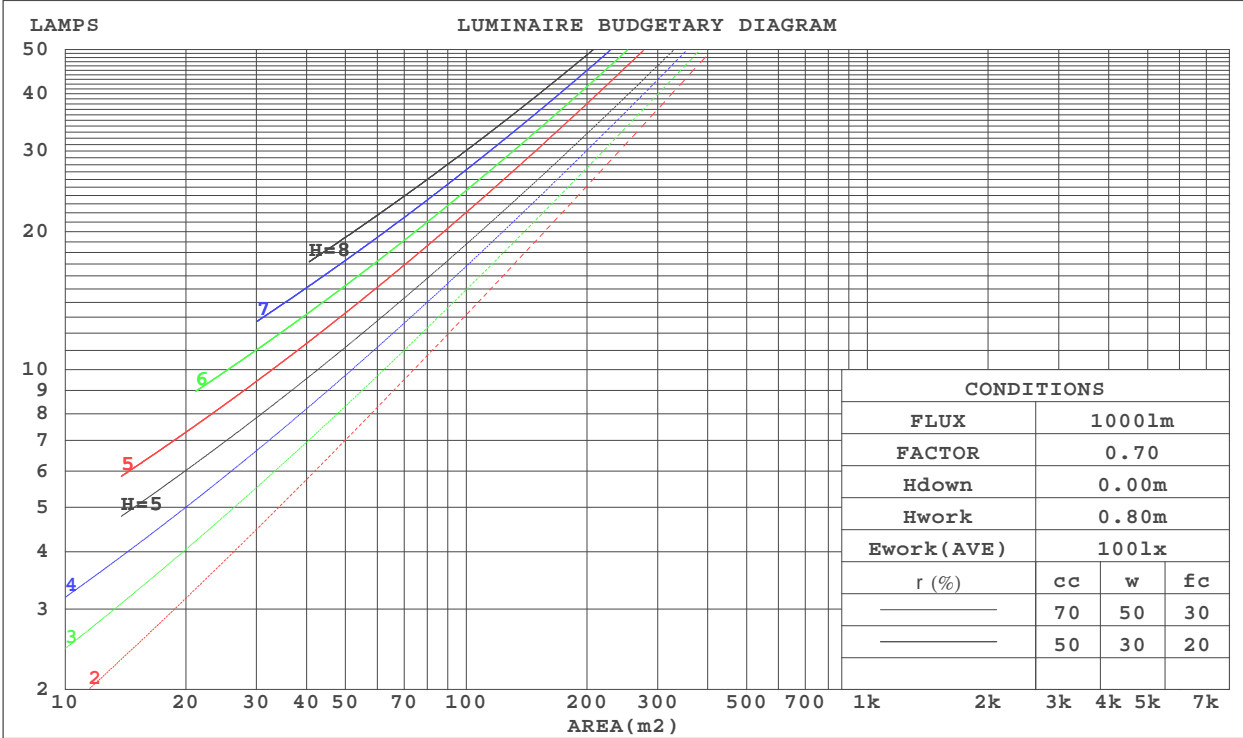
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-14

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-240913SHA-02_F172
T409132

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.3V I:0.0809A P:8.700W PF:0.8924 Lamp Flux:993.517x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 L-4000KTYPE:LED		WEIGHT:
SPEC.:F172#Selectfit downlight 6寸手板样 L-4000KDIM.:		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:2024-09-14

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-240913SHA-02_F172
T409132

WEC AND CCEC

Test:U:120.3V I:0.0809A P:8.700W PF:0.8924 Lamp Flux:993.517x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 L-4000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 L-4000KDIM.:	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	.039	
2.0	.239	.131	.040	.233	.129	.040	.222	.124	.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	.184	.100	.030	
5.0	.199	.102	.029	.195	.100	.029	.188	.098	.029	.181	.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	.162	.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	.076	.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	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.177	.157	.140	.151	.135	.120	.103	.093	.083	.059	.054	.048	.019	.017	.016	
2.0	.166	.133	.105	.142	.114	.091	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.156	.114	.081	.134	.099	.070	.092	.069	.049	.053	.040	.029	.017	.013	.010	
4.0	.148	.101	.064	.127	.087	.056	.087	.061	.039	.051	.035	.023	.016	.012	.008	
5.0	.141	.090	.052	.121	.078	.045	.083	.054	.032	.048	.032	.019	.016	.010	.006	
6.0	.134	.081	.043	.115	.070	.038	.079	.049	.027	.046	.029	.016	.015	.009	.005	
7.0	.127	.074	.037	.110	.064	.032	.076	.045	.023	.044	.027	.013	.014	.009	.004	
8.0	.122	.068	.032	.105	.059	.028	.072	.042	.020	.042	.025	.012	.014	.008	.004	
9.0	.116	.063	.028	.100	.055	.024	.069	.039	.017	.040	.023	.010	.013	.007	.003	
10.0	.111	.059	.024	.096	.051	.021	.066	.036	.015	.039	.021	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-14

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-240913SHA-02_F172
T409132

UGR(Unified Glare Rating) Table

Test:U:120.3V I:0.0809A P:8.700W PF:0.8924 Lamp Flux:993.517x1 lm										
NAME: F172#Selectfit downlight 6寸手板样 L-4000KTYPE:LED								WEIGHT:		
SPEC.:F172#Selectfit downlight 6寸手板样 L-4000KDIM.:								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	10.9	12.2	11.1	12.4	12.5	10.8	12.1	11.0	12.3	12.5
3H	11.4	12.6	11.7	12.8	13.0	11.3	12.5	11.5	12.7	12.9
4H	11.7	12.8	12.0	13.1	13.3	11.5	12.6	11.8	12.9	13.1
6H	11.9	13.0	12.2	13.2	13.5	11.7	12.7	12.0	13.0	13.3
8H	12.0	13.0	12.3	13.3	13.5	11.7	12.7	12.0	13.0	13.3
12H	12.0	13.0	12.3	13.2	13.5	11.7	12.7	12.0	13.0	13.2
4H 2H	11.0	12.2	11.3	12.4	12.7	11.0	12.1	11.3	12.3	12.6
3H	11.8	12.7	12.1	13.0	13.3	11.6	12.6	12.0	12.9	13.2
4H	12.2	13.1	12.5	13.4	13.7	12.0	12.9	12.4	13.2	13.5
6H	12.5	13.3	12.9	13.7	14.0	12.3	13.1	12.7	13.4	13.8
8H	12.6	13.4	13.0	13.7	14.1	12.3	13.1	12.7	13.4	13.8
12H	12.7	13.3	13.1	13.7	14.1	12.3	13.0	12.7	13.4	13.8
8H 4H	12.3	13.0	12.7	13.4	13.7	12.1	12.8	12.5	13.2	13.6
6H	12.7	13.3	13.2	13.7	14.2	12.5	13.1	12.9	13.5	13.9
8H	12.9	13.4	13.4	13.9	14.3	12.6	13.1	13.1	13.6	14.0
12H	13.0	13.5	13.5	13.9	14.4	12.6	13.1	13.1	13.5	14.0
12H 4H	12.2	12.9	12.7	13.3	13.7	12.1	12.8	12.5	13.1	13.5
6H	12.8	13.3	13.2	13.7	14.2	12.5	13.0	13.0	13.5	13.9
8H	12.9	13.4	13.4	13.8	14.3	12.6	13.1	13.1	13.5	14.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.7					+ 0.6 / - 0.8				
1.5H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				
2.0H	+ 1.2 / - 1.0					+ 1.4 / - 1.2				

CIE Pub.117 Corrected 993.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.0)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-14

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-240913SHA-02_F172
T409132

UTILIZATION FACTORS TABLE

Test:U:120.3V I:0.0809A P:8.700W PF:0.8924 Lamp Flux:993.517x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 L-4000K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 6寸手板样 L-4000K	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	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:2024-09-14

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-240913SHA-02_F172
 T409132

ISOCANDELA DIAGRAM

Test:U:120.3V I:0.0809A P:8.700W PF:0.8924 Lamp Flux:993.517x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 L-4000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 L-4000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

706.88 lm

%lum = 71.1%

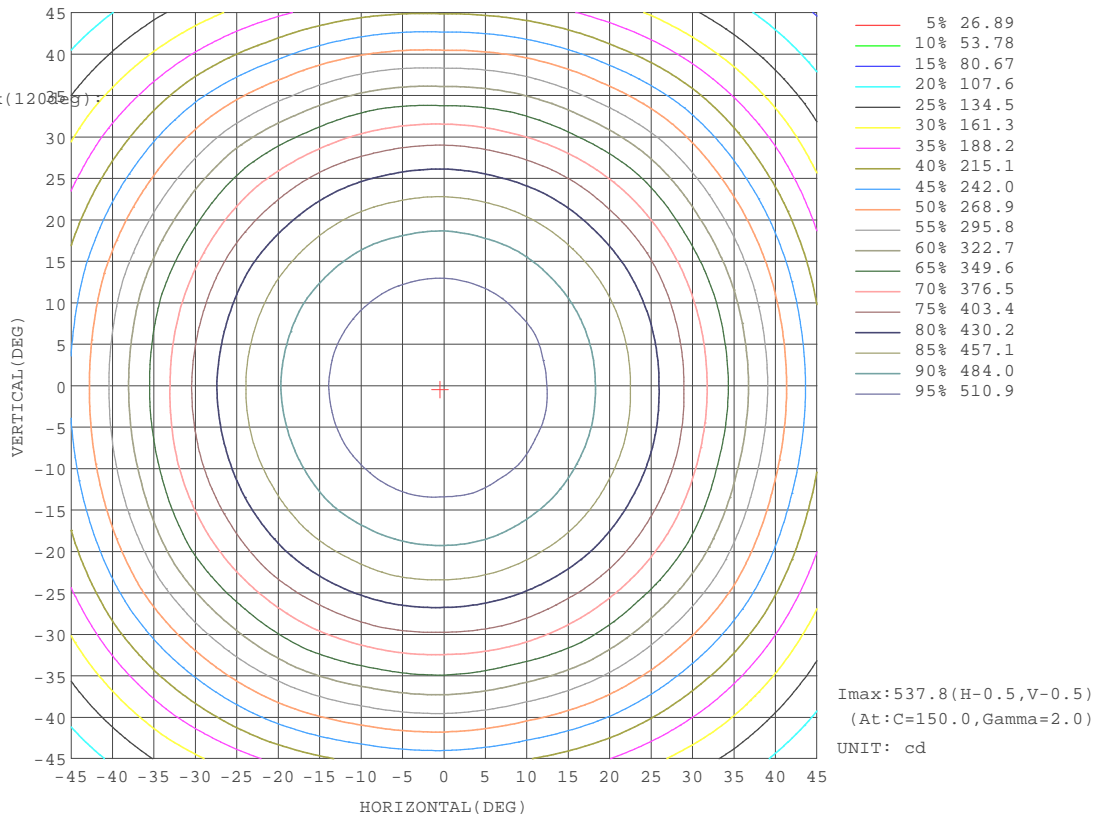
%lamp = 71.1%

Conical surface Flux(120deg):

897.77 lm

%lum = 90.4%

%lamp = 90.4%



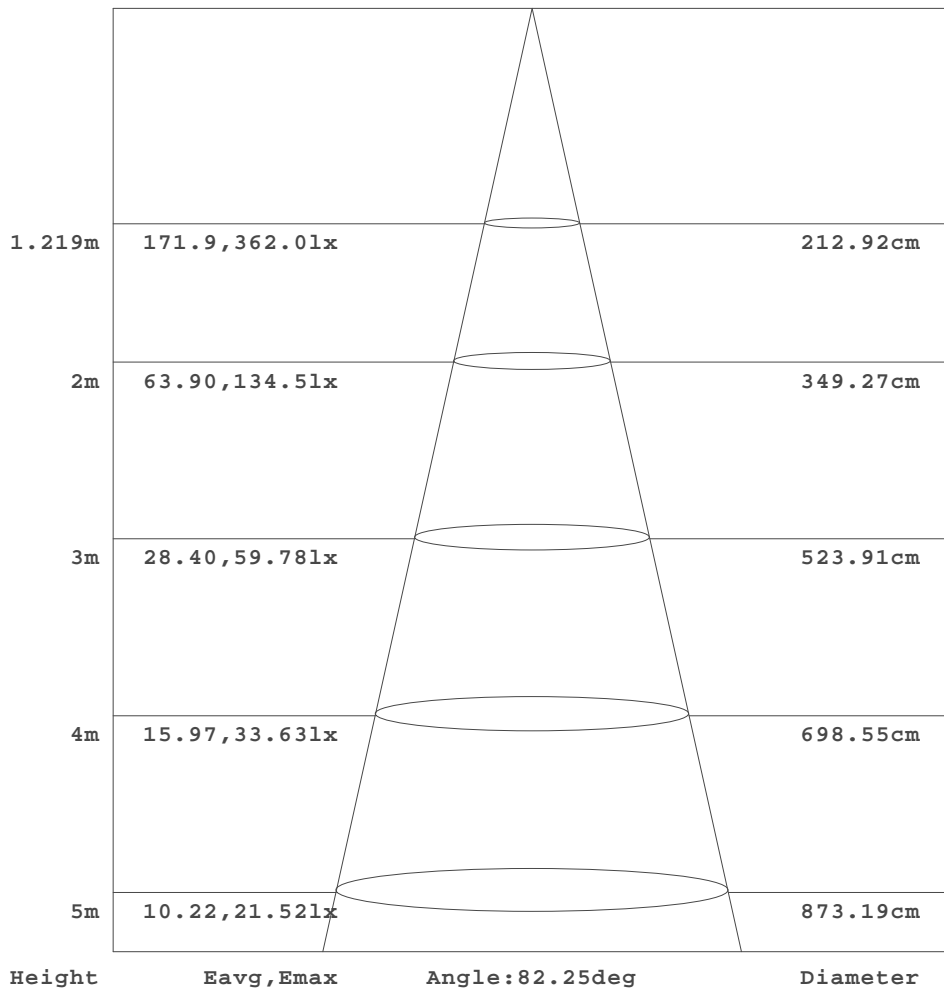
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-14

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-240913SHA-02_F172
T409132

AAI Figure

Test:U:120.3V I:0.0809A P:8.700W PF:0.8924 Lamp Flux:993.517x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 L-4000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 L-4000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:651.0 lm



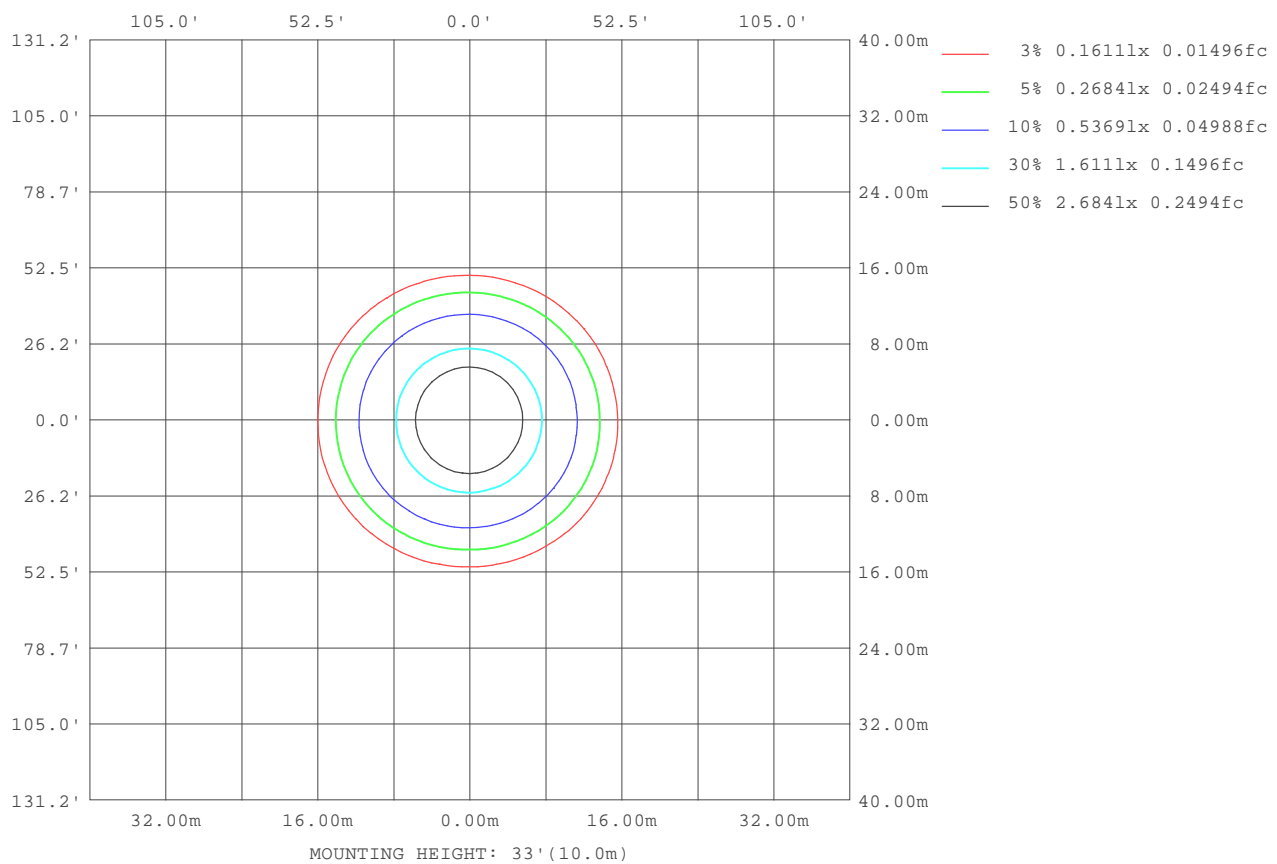
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Aaron
 Test Date: 2024-09-14

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-240913SHA-02_F172
 T409132

ISOLUX DIAGRAM

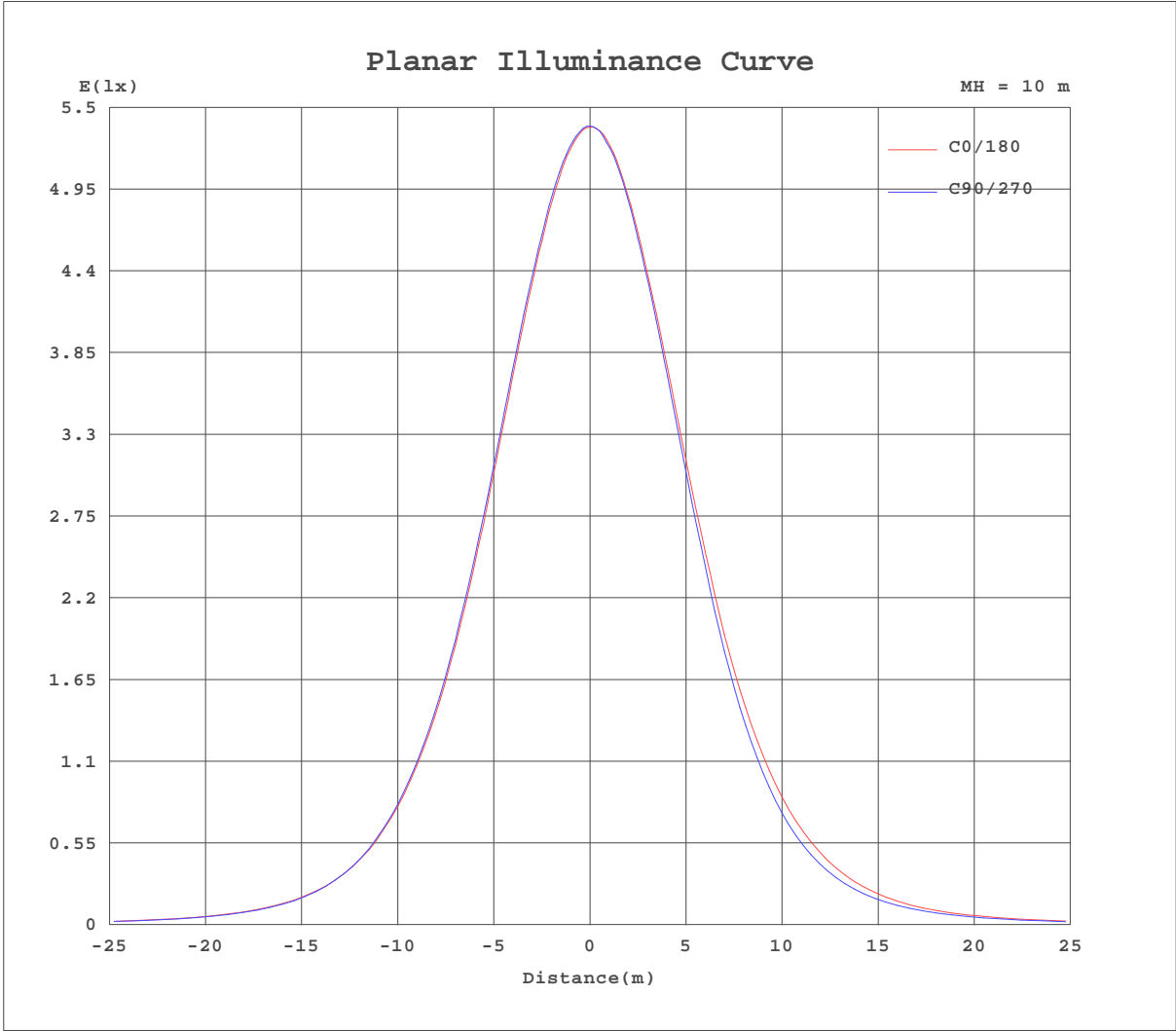
Test:U:120.3V I:0.0809A P:8.700W PF:0.8924 Lamp Flux:993.517x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 L-4000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 L-4000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-14

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-240913SHA-02_F172
T409132

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-09-14

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-240913SHA-02_F172
T409132