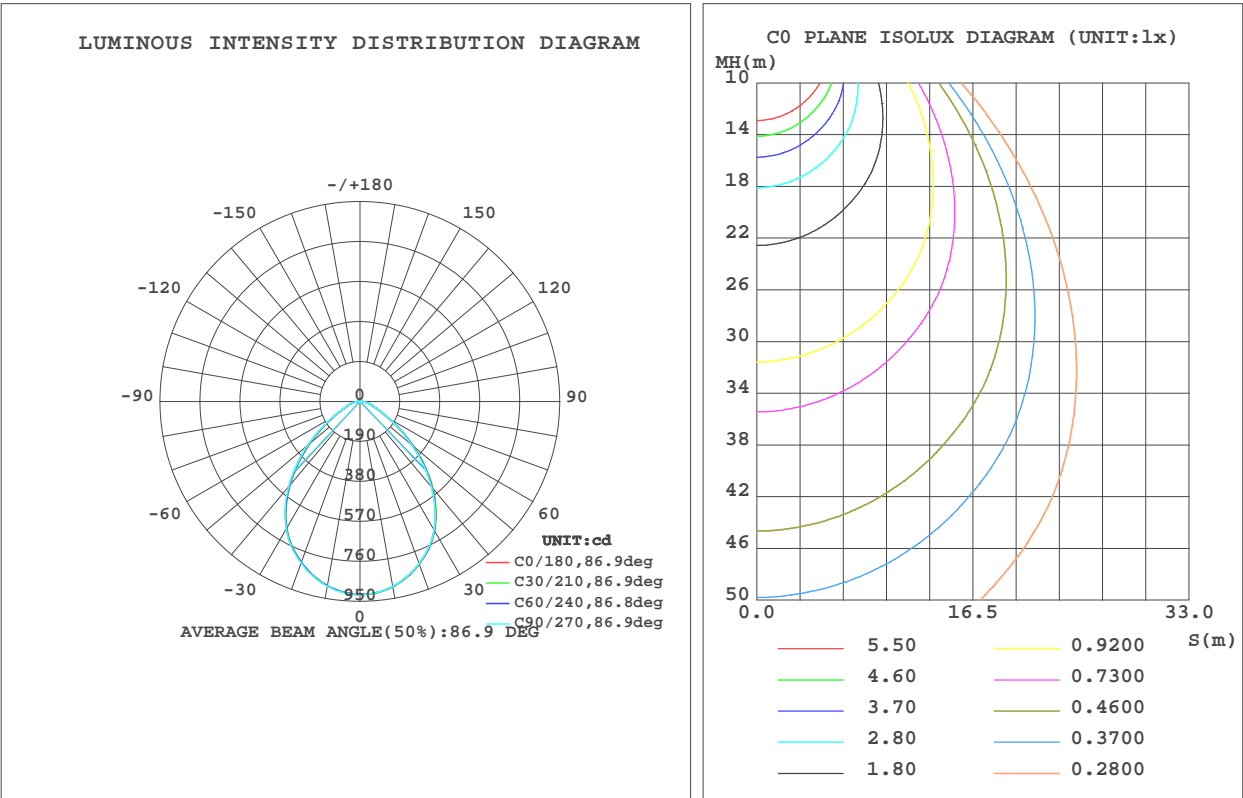


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.2V I:0.1327A P:15.50W PF:0.9715 Lamp Flux:1764.17x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-5000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 M-5000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.82 lm/W			
MODEL		Imax(cd)	918.0	S/MH(C0/180)	1.16
NOMINAL POWER(W)	15.5	LOR(%)	100.0	S/MH(C90/270)	1.15
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1764.2	h UP,DN(C0-180)	0.1,49.9
NOMINAL FLUX(lm)	1764.17	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,50.0
LAMPS INSIDE	1	h up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	h down(%)	99.9	CIBSE SHR MAX	1.25



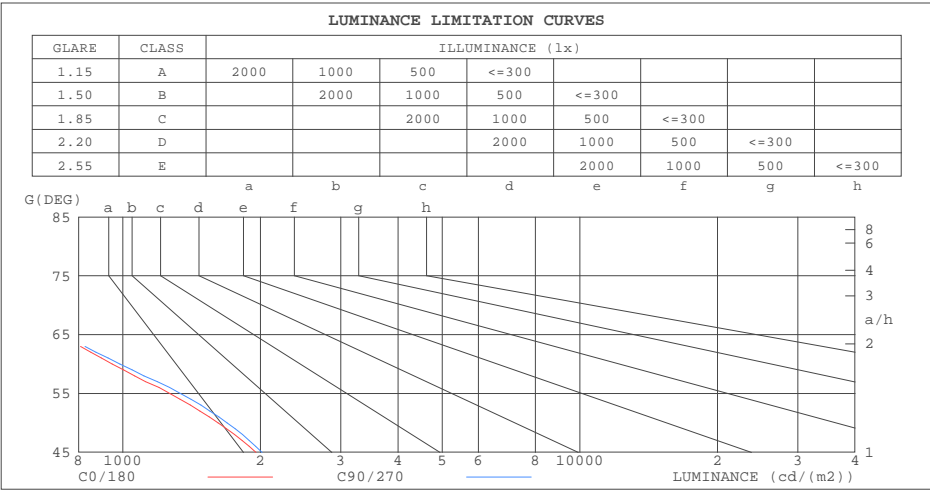
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-10-11

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	889.3	889.7	891.8	893.1	894.9	893.0	892.2	890.3	0~ 10	86.33	86.33	4.89
20	814.0	815.5	818.2	820.1	823.7	820.9	819.3	815.5	10~ 20	242.3	328.6	18.6
30	696.7	699.2	701.4	705.5	709.5	707.0	705.1	698.8	20~ 30	352.6	681.2	38.6
40	518.0	522.7	528.0	535.8	539.0	533.2	528.2	520.8	30~ 40	386.9	1068	60.5
50	312.1	315.1	326.6	331.4	332.9	331.1	319.7	312.8	40~ 50	327.7	1396	79.1
60	142.3	145.9	148.1	151.4	152.5	151.1	148.9	142.7	50~ 60	204.4	1600	90.7
70	65.18	64.99	65.18	66.03	66.15	65.65	65.66	65.04	60~ 70	97.56	1698	96.2
80	31.07	30.86	29.17	30.02	30.62	30.42	30.57	30.87	70~ 80	51.32	1749	99.1
90	0.0086	0	0	0	0	0	0	0	80~ 90	12.94	1762	99.9
100	0	0	0	0	0	0	0	0	90~100	0.0000	1762	99.9
110	0	0	0	0	0	0	0	0	100~110	0	1762	99.9
120	0	0	0	0	0	0	0.0000	0	110~120	0.0000	1762	99.9
130	0.2152	0.2715	0.2094	0.2528	0.2961	0.2461	0.3210	0.2650	120~130	0.0842	1762	99.9
140	0.6348	0.6908	0.6476	0.6661	0.7093	0.6597	0.7348	0.6838	130~140	0.3573	1762	99.9
150	1.029	1.104	1.024	1.085	1.116	1.073	1.148	1.091	140~150	0.5508	1763	99.9
160	1.363	1.431	1.382	1.424	1.449	1.399	1.488	1.424	150~160	0.5795	1764	100
170	1.597	1.665	1.635	1.671	1.655	1.647	1.697	1.646	160~170	0.4346	1764	100
180	1.677	1.708	1.710	1.726	1.683	1.708	1.728	1.732	170~180	0.1604	1764	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	471	355
80	596	559
75	634	618
70	635	635
65	736	743
60	949	986
55	1267	1336
50	1618	1692
45	1957	2016

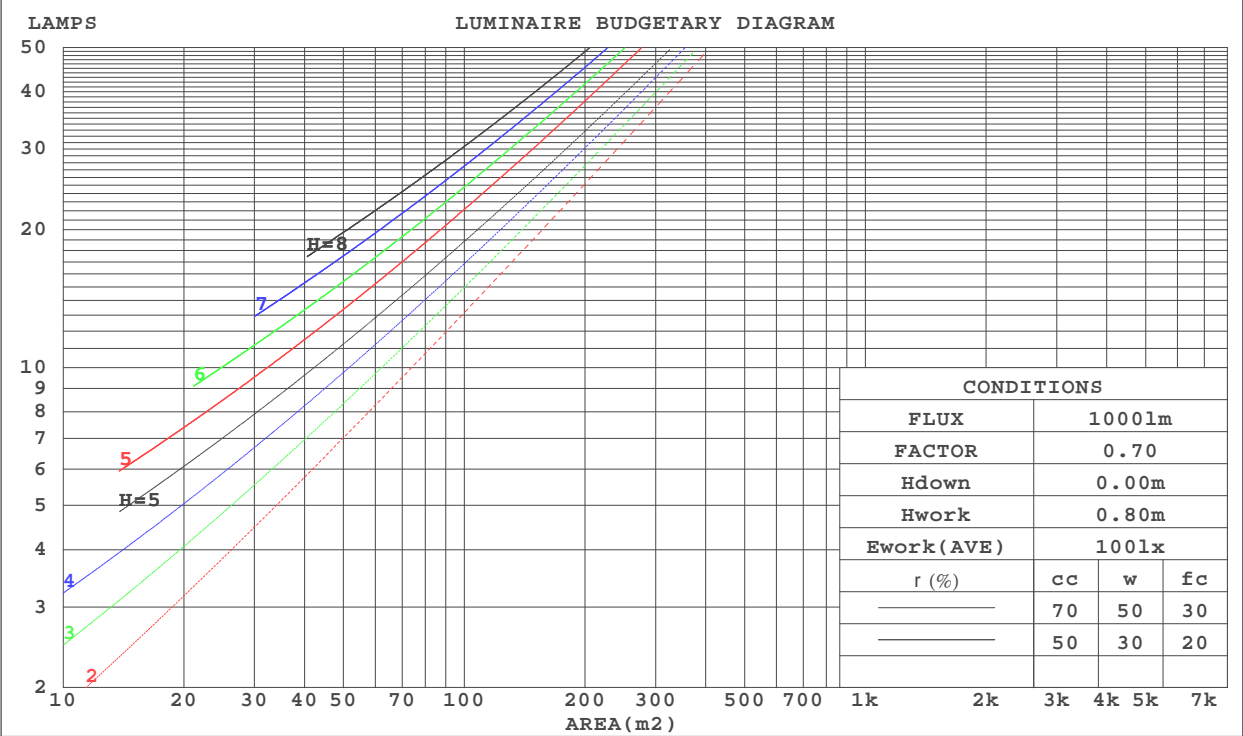
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-10-11

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:0.1327A P:15.50W PF:0.9715 Lamp Flux:1764.17x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-5000KTYPE:LED		WEIGHT:
SPEC.:F172#Selectfit downlight 8寸手板样 M-5000KDIM.:		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			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.07	1.03	1.00	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.96	.90	.85	.94	.89	.84	.90	.86	.82	.87	.84	.81	.84	.81	.79	.77
3.0	.86	.79	.74	.85	.78	.73	.82	.76	.72	.79	.74	.70	.77	.73	.69	.67
4.0	.78	.70	.64	.76	.69	.64	.74	.68	.63	.72	.66	.62	.70	.65	.61	.59
5.0	.70	.63	.57	.69	.62	.56	.67	.61	.56	.65	.60	.55	.64	.59	.55	.53
6.0	.64	.56	.51	.63	.56	.50	.62	.55	.50	.60	.54	.50	.58	.53	.49	.47
7.0	.59	.51	.45	.58	.51	.45	.57	.50	.45	.55	.49	.45	.54	.48	.44	.43
8.0	.54	.46	.41	.53	.46	.41	.52	.46	.41	.51	.45	.41	.50	.44	.40	.39
9.0	.50	.43	.37	.49	.42	.37	.48	.42	.37	.47	.41	.37	.46	.41	.37	.35
10.0	.46	.39	.34	.46	.39	.34	.45	.39	.34	.44	.38	.34	.43	.38	.34	.32



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-10-11

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:0.1327A P:15.50W PF:0.9715 Lamp Flux:1764.17x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-5000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 M-5000KDIM.:	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	.250	.142	.045	.243	.139	.044	.230	.132	.042	.218	.126	.040	.207	.120	.039	
2.0	.240	.132	.040	.234	.129	.040	.223	.124	.039	.213	.119	.037	.203	.115	.036	
3.0	.227	.121	.036	.222	.119	.036	.212	.115	.035	.203	.111	.034	.194	.108	.033	
4.0	.213	.111	.033	.209	.109	.032	.200	.106	.032	.192	.103	.031	.184	.100	.031	
5.0	.201	.102	.030	.196	.101	.029	.189	.098	.029	.182	.096	.028	.175	.093	.028	
6.0	.189	.095	.027	.185	.093	.027	.178	.091	.027	.172	.089	.026	.166	.087	.026	
7.0	.178	.088	.025	.174	.087	.025	.168	.085	.024	.162	.083	.024	.157	.082	.024	
8.0	.168	.082	.023	.165	.081	.023	.159	.080	.023	.154	.078	.023	.149	.077	.022	
9.0	.158	.077	.021	.156	.076	.021	.151	.075	.021	.146	.073	.021	.142	.072	.021	
10.0	.150	.072	.020	.148	.071	.020	.143	.070	.020	.139	.069	.020	.135	.068	.020	

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	.048	.019	.017	.016	
2.0	.166	.133	.105	.142	.115	.091	.098	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.157	.115	.081	.135	.099	.071	.093	.069	.049	.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	.142	.090	.053	.122	.078	.046	.084	.055	.032	.049	.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	.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	.101	.055	.024	.070	.039	.017	.041	.023	.010	.013	.008	.003	
10.0	.112	.060	.025	.096	.052	.022	.067	.036	.015	.039	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-10-11

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:0.1327A P:15.50W PF:0.9715 Lamp Flux:1764.17x1 lm										
NAME: F172#Selectfit downlight 8寸手板样 M-5000KTYPE:LED								WEIGHT:		
SPEC.:F172#Selectfit downlight 8寸手板样 M-5000KDIM.:								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	12.9	14.2	13.1	14.4	14.6	13.0	14.4	13.3	14.5	14.7
3H	13.3	14.5	13.6	14.7	14.9	13.4	14.6	13.7	14.9	15.1
4H	13.5	14.7	13.8	14.9	15.2	13.6	14.8	13.9	15.0	15.3
6H	13.7	14.8	14.0	15.1	15.3	13.8	14.9	14.1	15.1	15.4
8H	13.8	14.8	14.1	15.1	15.4	13.8	14.9	14.2	15.1	15.4
12H	13.8	14.8	14.1	15.1	15.4	13.8	14.8	14.2	15.1	15.4
4H 2H	13.0	14.2	13.3	14.4	14.7	13.2	14.3	13.5	14.5	14.8
3H	13.6	14.6	13.9	14.9	15.2	13.7	14.7	14.0	15.0	15.3
4H	13.9	14.8	14.3	15.2	15.5	14.0	14.9	14.4	15.2	15.6
6H	14.3	15.1	14.7	15.4	15.8	14.3	15.1	14.7	15.5	15.8
8H	14.4	15.1	14.8	15.5	15.9	14.4	15.1	14.8	15.5	15.9
12H	14.5	15.1	14.9	15.5	15.9	14.4	15.1	14.9	15.5	15.9
8H 4H	14.0	14.8	14.5	15.1	15.5	14.1	14.9	14.5	15.2	15.6
6H	14.5	15.1	14.9	15.5	15.9	14.5	15.1	15.0	15.5	16.0
8H	14.7	15.2	15.2	15.7	16.1	14.7	15.2	15.1	15.6	16.1
12H	14.8	15.3	15.3	15.7	16.2	14.7	15.2	15.2	15.7	16.1
12H 4H	14.0	14.7	14.5	15.1	15.5	14.1	14.8	14.5	15.2	15.6
6H	14.5	15.1	15.0	15.5	15.9	14.5	15.1	15.0	15.5	16.0
8H	14.7	15.2	15.2	15.7	16.1	14.7	15.2	15.2	15.6	16.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.8					+ 0.6 / - 0.7				
1.5H	+ 0.3 / - 0.3					+ 0.4 / - 0.3				
2.0H	+ 1.4 / - 1.3					+ 1.5 / - 1.4				

CIE Pub.117 Corrected 1764 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.0)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-10-11

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:0.1327A P:15.50W PF:0.9715 Lamp Flux:1764.17x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-5000K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 8寸手板样 M-5000K	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	51	66	56	51	65	56	50	45
0.80	77	67	61	76	66	61	74	66	60	54
1.00	84	75	69	83	75	69	81	76	69	63
1.25	91	82	77	90	82	76	87	80	76	69
1.50	95	87	82	94	86	81	91	85	80	74
2.00	101	94	89	99	93	88	96	91	87	80
2.50	104	97	93	102	96	92	98	94	90	83
3.00	106	101	96	104	99	95	100	96	93	86
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	102	104	102	99	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:2024-10-11

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:0.1327A P:15.50W PF:0.9715 Lamp Flux:1764.17x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-5000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 M-5000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

1244.7 lm

%lum = 70.6%

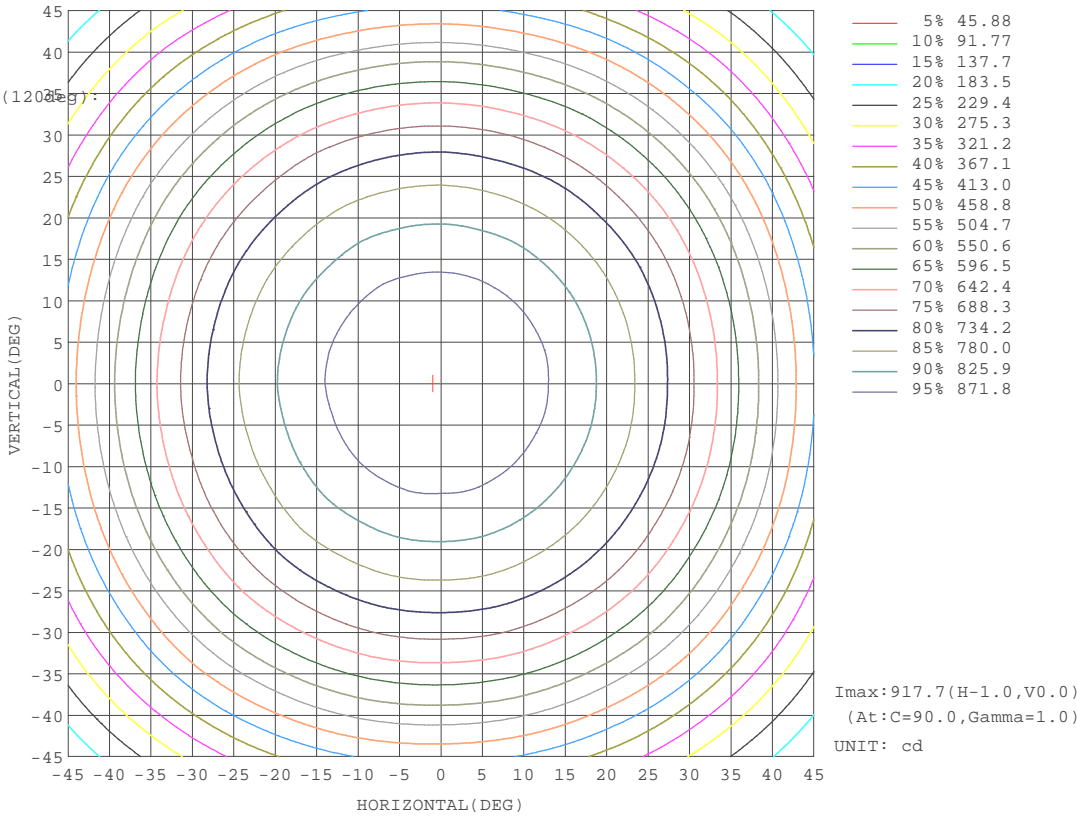
%lamp = 70.6%

Conical surface Flux(120deg):

1600.2 lm

%lum = 90.7%

%lamp = 90.7%



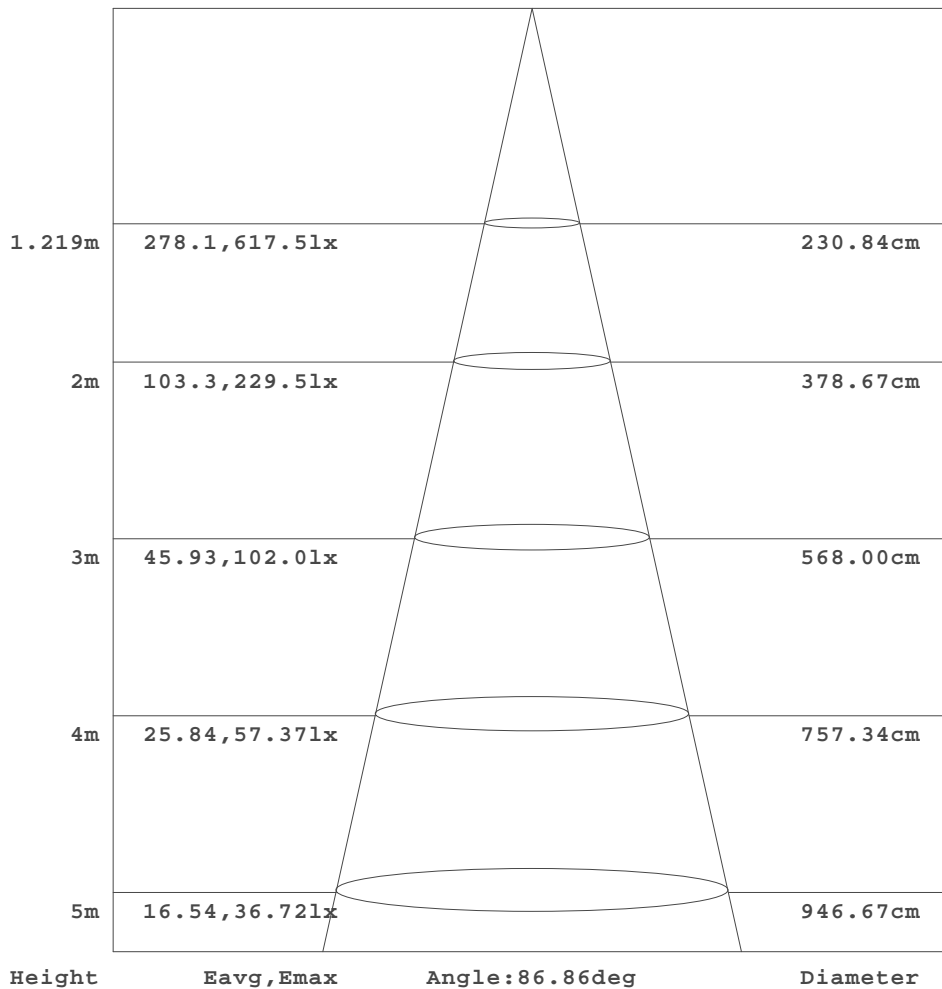
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-10-11

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:0.1327A P:15.50W PF:0.9715 Lamp Flux:1764.17x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-5000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 M-5000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:1211 lm



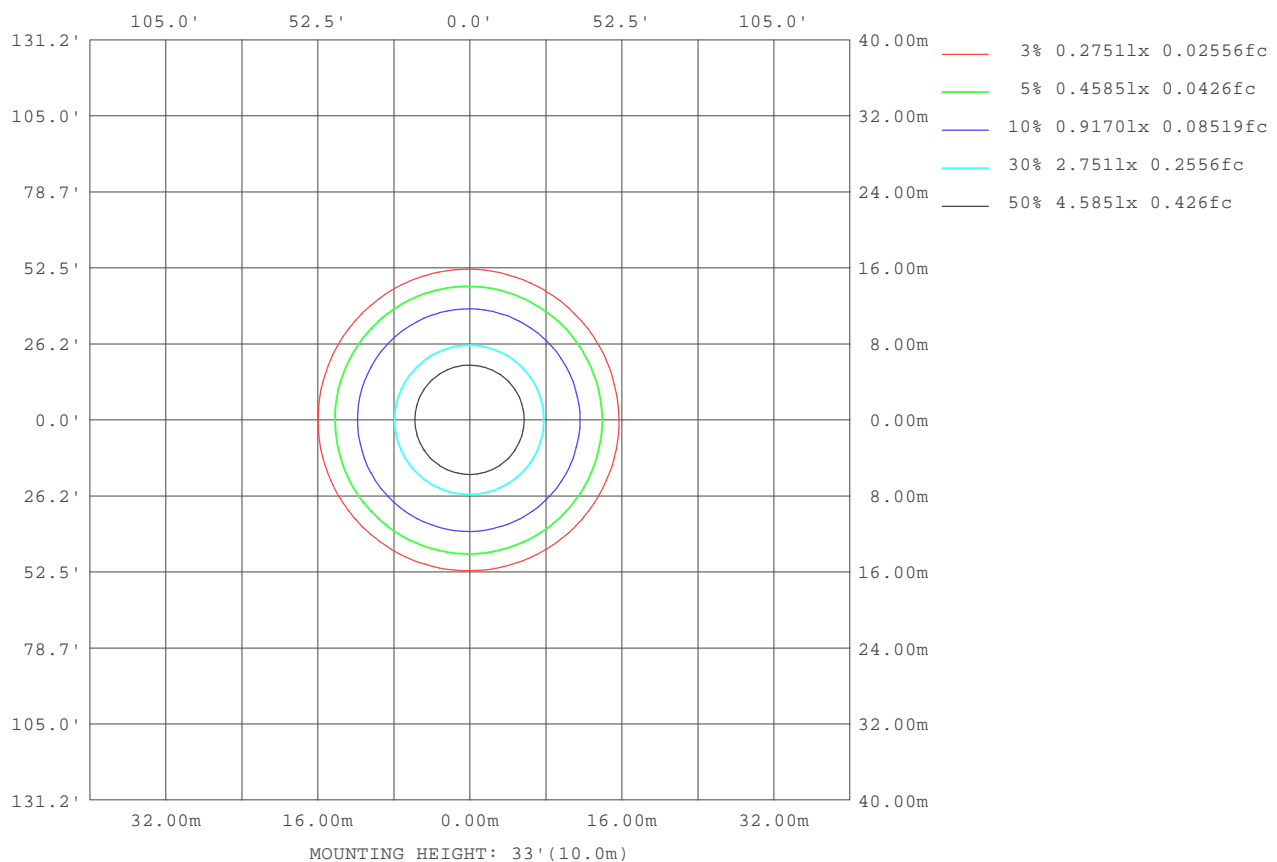
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Aaron
 Test Date: 2024-10-11

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

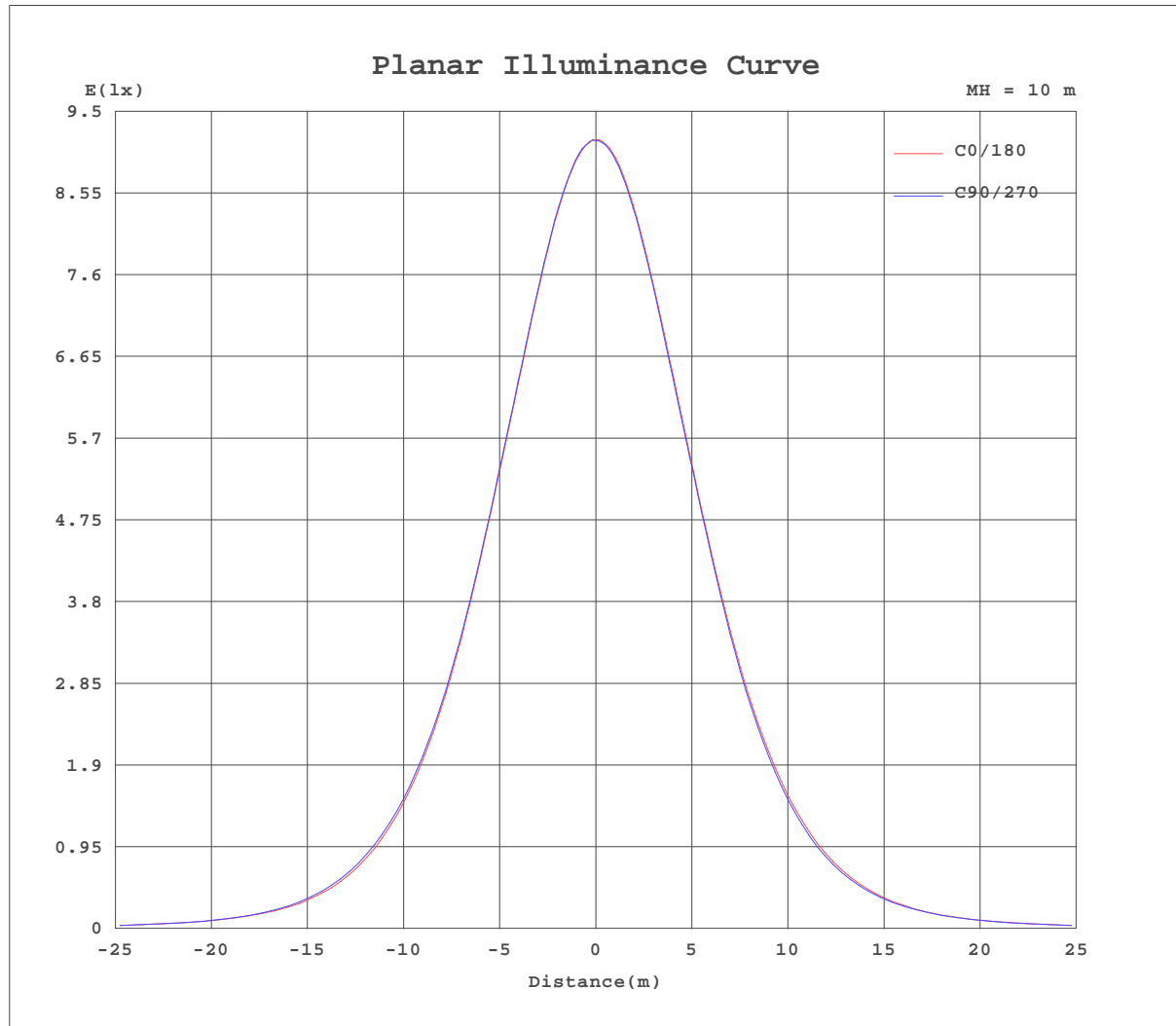
Test:U:120.2V I:0.1327A P:15.50W PF:0.9715 Lamp Flux:1764.17x1 lm		
NAME: F172#Selectfit downlight 8寸手板样 M-5000KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 8寸手板样 M-5000KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2024-10-11

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: 2024-10-11

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