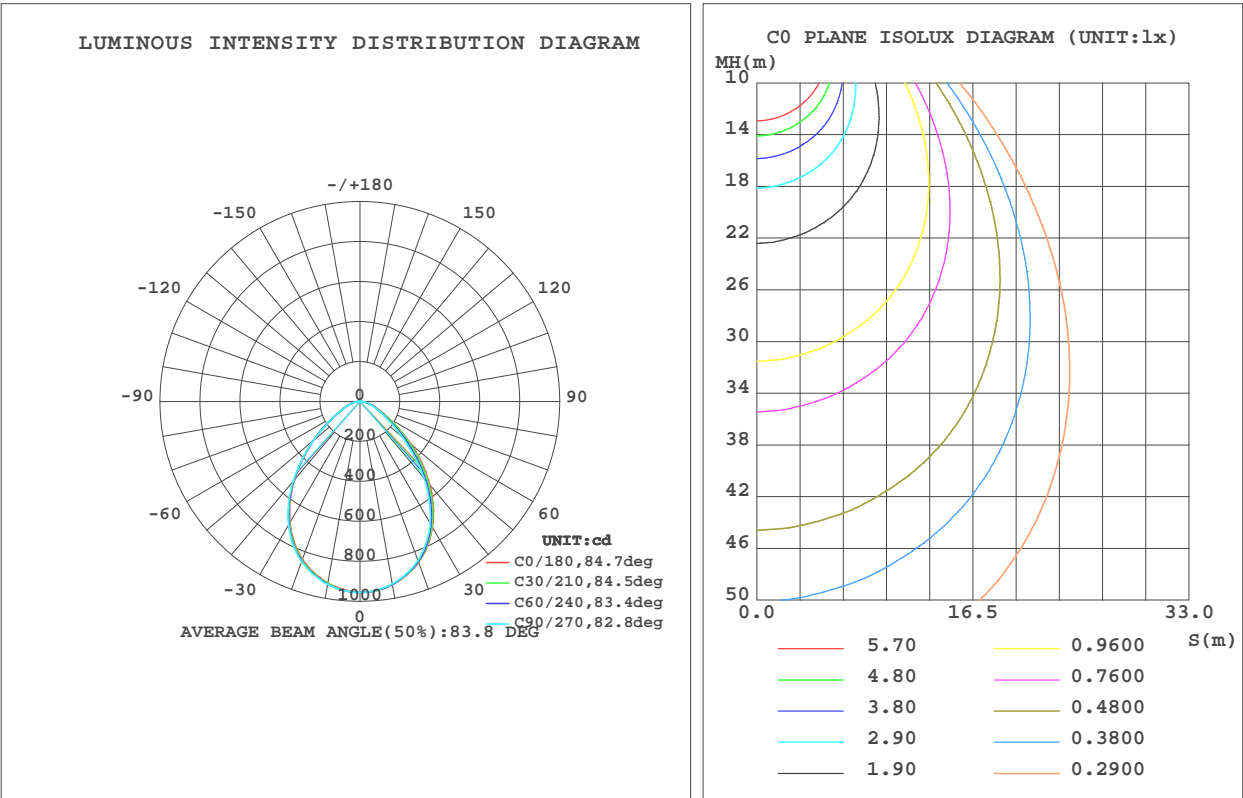


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.3V I:0.1385A P:16.00W PF:0.9578 Lamp Flux:1775.31x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 H-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 H-3500KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 110.96 lm/W			
MODEL		Imax(cd)	956.6	S/MH(C0/180)	1.15
NOMINAL POWER(W)	16	LOR(%)	100.0	S/MH(C90/270)	1.12
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1775.3	h UP,DN(C0-180)	0.1,50.4
NOMINAL FLUX(lm)	1775.31	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,49.5
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



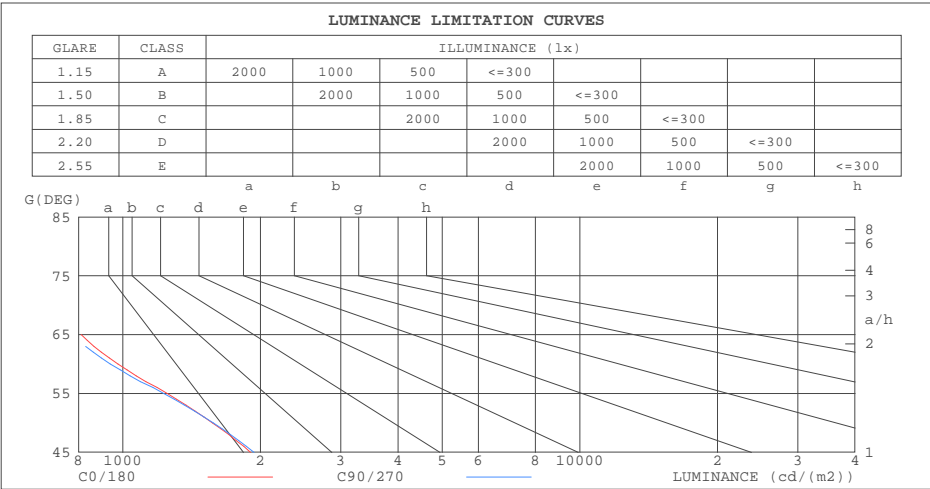
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-14

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	923.0	925.2	928.8	931.2	930.7	928.7	927.6	924.3	0~ 10	89.84	89.84	5.06
20	842.0	848.4	853.0	856.7	856.5	852.4	847.2	843.9	10~ 20	251.9	341.8	19.3
30	701.1	708.9	714.5	726.0	724.7	714.5	702.3	699.7	20~ 30	362.0	703.7	39.6
40	510.2	517.4	520.0	541.3	542.4	522.5	496.8	502.6	30~ 40	386.4	1090	61.4
50	302.6	306.8	304.5	328.1	332.6	313.6	279.1	291.2	40~ 50	316.7	1407	79.2
60	146.2	147.0	141.0	157.5	162.2	148.9	133.9	137.6	50~ 60	196.0	1603	90.3
70	73.45	71.59	70.73	74.86	77.95	72.99	69.69	70.12	60~ 70	103.1	1706	96.1
80	32.85	30.69	28.23	32.78	32.93	31.97	28.83	30.69	70~ 80	55.26	1761	99.2
90	0	0	0	0	0	0	0	0	80~ 90	11.97	1773	99.9
100	0	0	0	0	0	0	0	0	90~100	0	1773	99.9
110	0	0	0	0	0	0	0	0	100~110	0	1773	99.9
120	0	0	0	0	0	0	0	0	110~120	0.0000	1773	99.9
130	0.2397	0.2898	0.1724	0.1977	0.2898	0.2091	0.3269	0.2772	120~130	0.0788	1773	99.9
140	0.6345	0.6963	0.5797	0.5800	0.6966	0.6157	0.7344	0.6965	130~140	0.3408	1774	99.9
150	1.035	1.122	1.011	0.9991	1.091	1.047	1.160	1.110	140~150	0.5376	1774	99.9
160	1.380	1.466	1.381	1.388	1.449	1.423	1.518	1.443	150~160	0.5772	1775	100
170	1.639	1.713	1.647	1.671	1.695	1.657	1.731	1.653	160~170	0.4395	1775	100
180	1.744	1.756	1.746	1.745	1.738	1.756	1.758	1.739	170~180	0.1635	1775	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	422	231
80	631	542
75	699	644
70	716	689
65	811	771
60	976	940
55	1251	1230
50	1571	1579
45	1905	1936

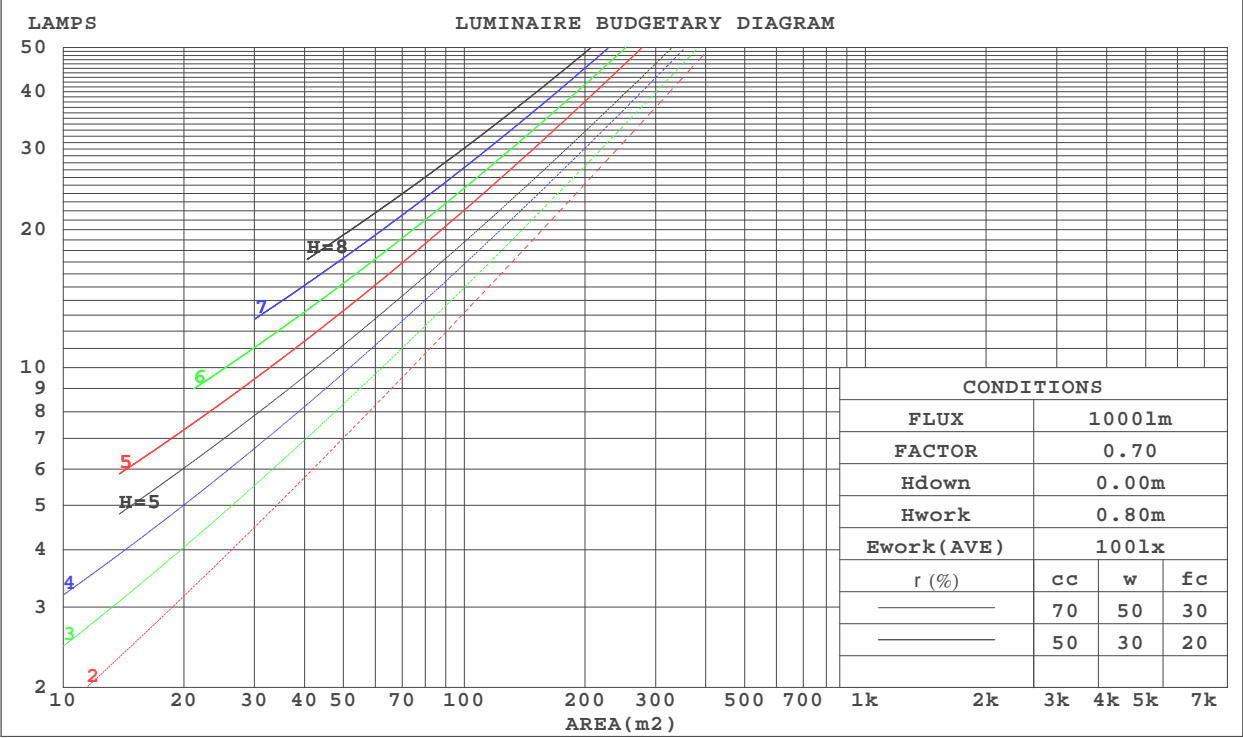
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-14

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:0.1385A P:16.00W PF:0.9578 Lamp Flux:1775.31x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 H-3500KTYPE:LED		WEIGHT:
SPEC.:F172#Selectfit downlight 6寸手板样 H-3500KDIM.:		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	1.04	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	.91	.86	.83	.87	.84	.81	.84	.82	.79	.77
3.0	.86	.79	.74	.85	.78	.73	.82	.76	.72	.79	.75	.71	.77	.73	.69	.68
4.0	.78	.70	.65	.77	.70	.64	.74	.68	.63	.72	.67	.62	.70	.65	.62	.60
5.0	.71	.63	.57	.70	.62	.57	.68	.61	.56	.66	.60	.56	.64	.59	.55	.53
6.0	.65	.57	.51	.64	.56	.51	.62	.55	.50	.60	.54	.50	.59	.54	.50	.48
7.0	.59	.51	.46	.58	.51	.46	.57	.50	.45	.56	.50	.45	.54	.49	.45	.43
8.0	.55	.47	.42	.54	.47	.41	.53	.46	.41	.51	.45	.41	.50	.45	.41	.39
9.0	.50	.43	.38	.50	.43	.38	.49	.42	.38	.48	.42	.37	.47	.41	.37	.36
10.0	.47	.40	.35	.46	.39	.35	.45	.39	.35	.44	.39	.34	.44	.38	.34	.33



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:0.1385A P:16.00W PF:0.9578 Lamp Flux:1775.31x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 H-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 H-3500KDIM.:	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	.132	.042	.217	.125	.040	.206	.120	.039	
2.0	.240	.131	.040	.234	.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	.213	.110	.032	.208	.109	.032	.199	.106	.032	.191	.103	.031	.184	.100	.030	
5.0	.200	.102	.029	.195	.100	.029	.188	.098	.029	.181	.095	.028	.174	.093	.028	
6.0	.188	.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	.143	.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	.151	.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	.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	.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	.100	.055	.024	.070	.039	.017	.041	.023	.010	.013	.008	.003	
10.0	.111	.059	.025	.096	.052	.022	.067	.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:0.1385A P:16.00W PF:0.9578 Lamp Flux:1775.31x1 lm										
NAME: F172#Selectfit downlight 6寸手板样 H-3500KTYPE:LED								WEIGHT:		
SPEC.:F172#Selectfit downlight 6寸手板样 H-3500KDIM.:								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	12.8	14.1	13.0	14.3	14.5
3H	13.4	14.6	13.7	14.8	15.1	13.3	14.5	13.6	14.7	14.9
4H	13.7	14.8	14.0	15.1	15.3	13.5	14.7	13.8	14.9	15.1
6H	13.9	15.0	14.2	15.3	15.5	13.7	14.8	14.0	15.0	15.3
8H	14.0	15.0	14.3	15.3	15.6	13.7	14.7	14.1	15.0	15.3
12H	14.0	15.0	14.3	15.3	15.6	13.7	14.7	14.0	15.0	15.3
4H 2H	13.0	14.2	13.3	14.4	14.7	12.9	14.1	13.2	14.3	14.6
3H	13.8	14.8	14.1	15.0	15.3	13.6	14.6	14.0	14.9	15.2
4H	14.2	15.1	14.5	15.4	15.7	14.0	14.9	14.4	15.2	15.5
6H	14.5	15.3	14.9	15.7	16.0	14.3	15.1	14.7	15.4	15.8
8H	14.7	15.4	15.1	15.7	16.1	14.4	15.1	14.8	15.5	15.8
12H	14.7	15.4	15.1	15.7	16.2	14.4	15.0	14.8	15.4	15.8
8H 4H	14.3	15.0	14.7	15.4	15.8	14.1	14.9	14.5	15.2	15.6
6H	14.8	15.4	15.2	15.8	16.2	14.5	15.1	15.0	15.5	15.9
8H	14.9	15.5	15.4	15.9	16.3	14.6	15.2	15.1	15.6	16.0
12H	15.0	15.5	15.5	15.9	16.4	14.7	15.1	15.1	15.6	16.0
12H 4H	14.3	14.9	14.7	15.3	15.7	14.1	14.8	14.5	15.2	15.6
6H	14.8	15.3	15.2	15.7	16.2	14.5	15.1	15.0	15.5	15.9
8H	15.0	15.4	15.5	15.9	16.4	14.7	15.1	15.1	15.6	16.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.7					+ 0.6 / - 0.8				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.4				
2.0H	+ 1.3 / - 1.0					+ 1.4 / - 1.2				

CIE Pub.117 Corrected 1775 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:2024-09-14

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:0.1385A P:16.00W PF:0.9578 Lamp Flux:1775.31x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 H-3500K	TYPE:LED	WEIGHT:
SPEC.:F172#Selectfit downlight 6寸手板样 H-3500K	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	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:2024-09-14

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:0.1385A P:16.00W PF:0.9578 Lamp Flux:1775.3lx1 lm		
NAME: F172#Selectfit downlight 6寸手板样 H-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 H-3500KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

1262.2 lm

%lum = 71.1%

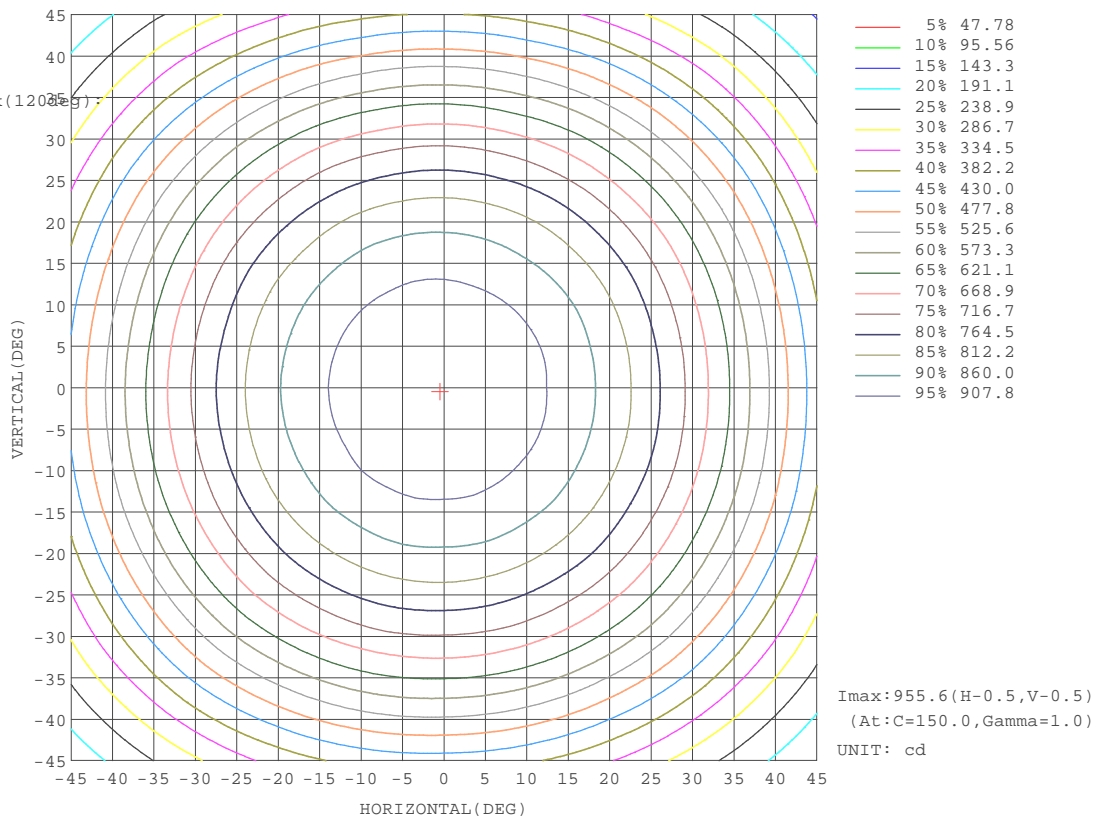
%lamp = 71.1%

Conical surface Flux(120deg):

1602.8 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:2024-09-14

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]

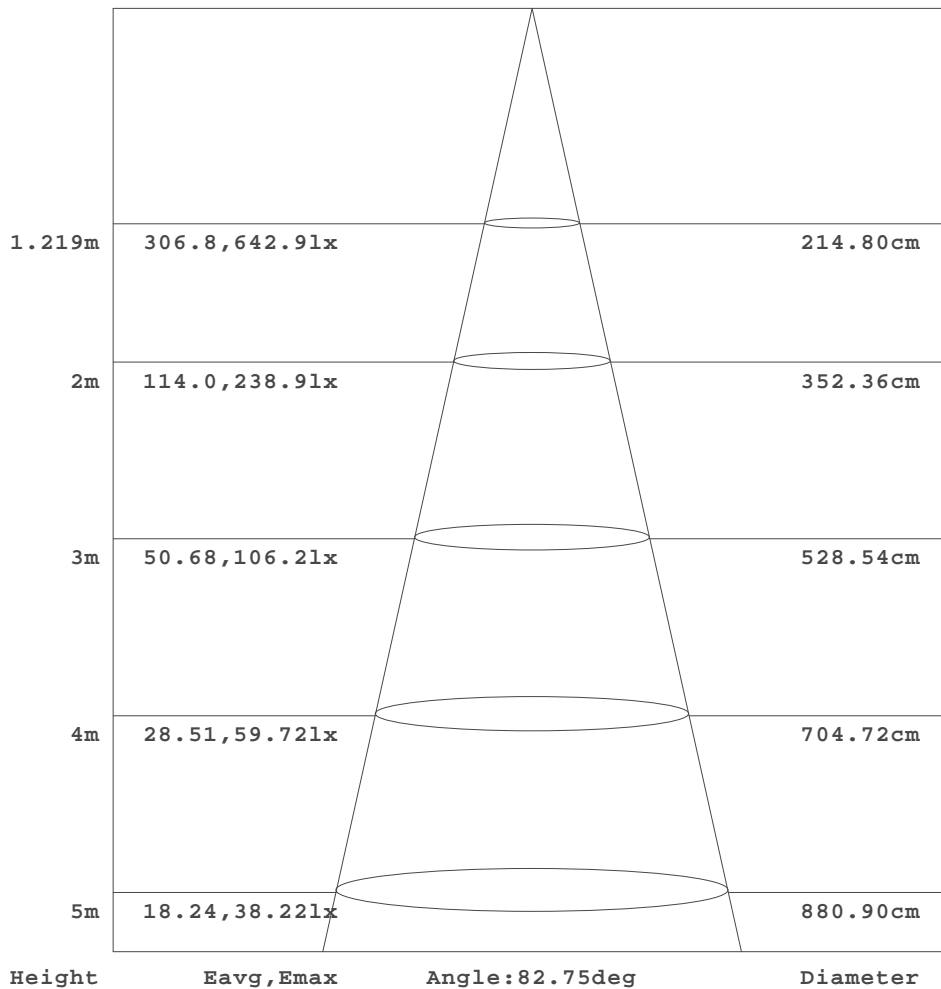
Remarks: TRP-240913SHA-02\_F172

T409132

## AAI Figure

Test:U:120.3V I:0.1385A P:16.00W PF:0.9578 Lamp Flux:1775.31x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 H-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 H-3500KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Flux out:1162 lm



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

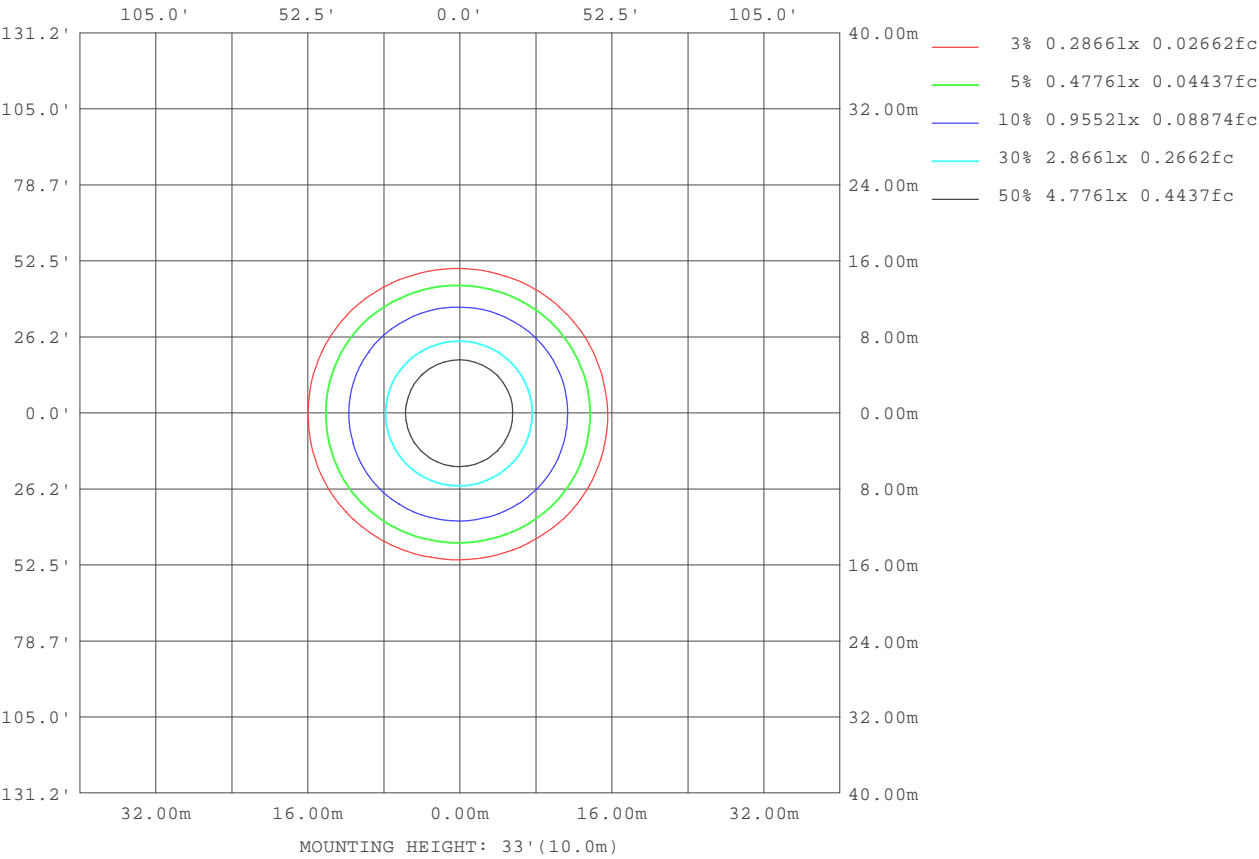
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2024-09-14

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

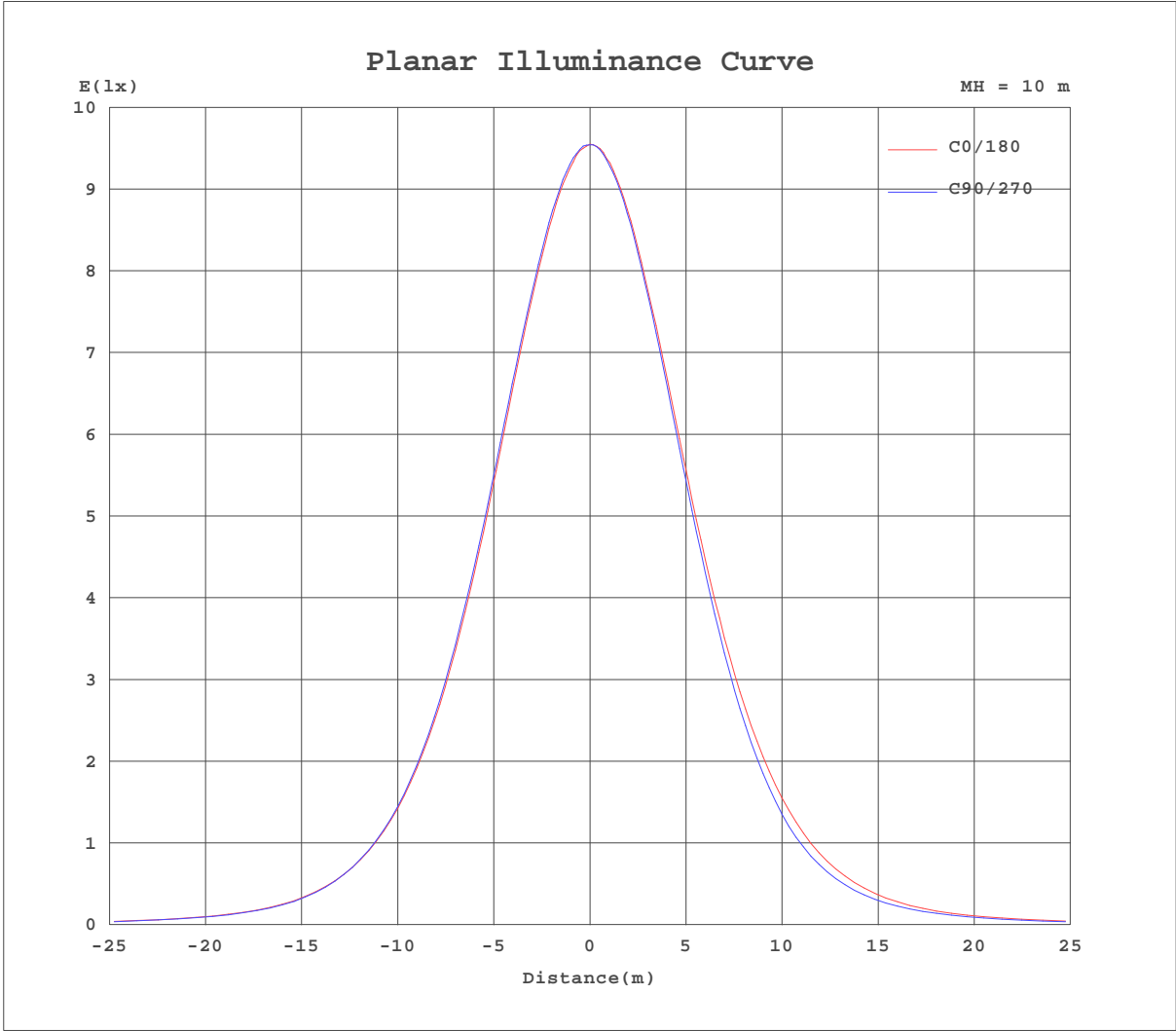
Test:U:120.3V I:0.1385A P:16.00W PF:0.9578 Lamp Flux:1775.31x1 lm		
NAME: F172#Selectfit downlight 6寸手板样 H-3500KTYPE:LED	WEIGHT:	
SPEC.:F172#Selectfit downlight 6寸手板样 H-3500KDIM.:	SERIAL No.:01	
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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