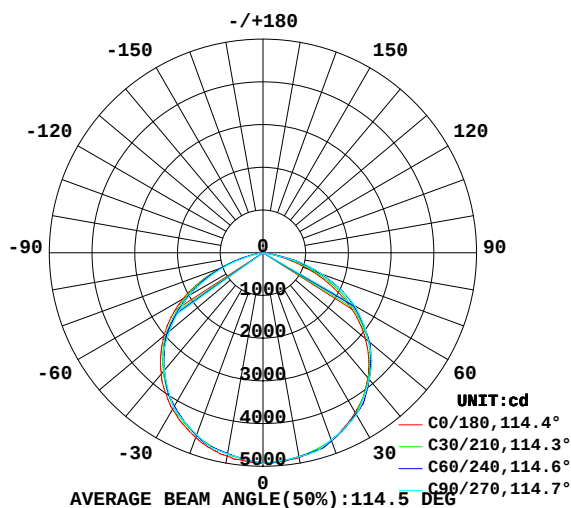


LUMINAIRE PHOTOMETRIC TEST REPORT

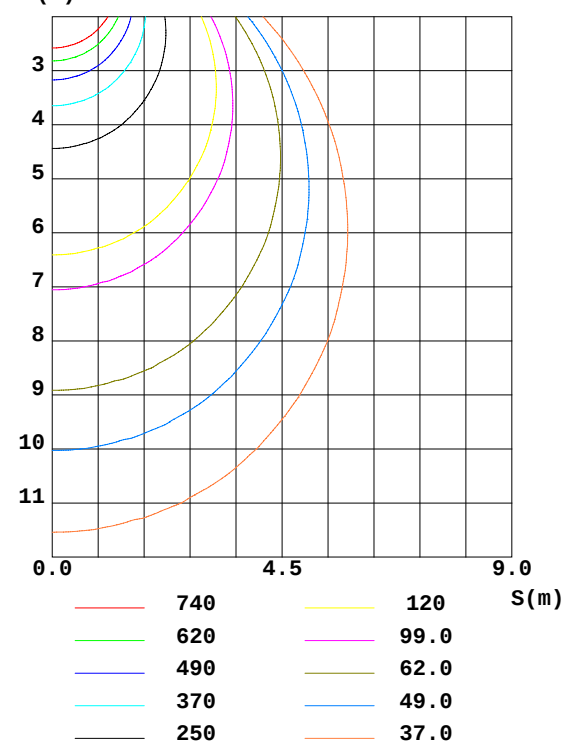
NAME: 150w满天星	TYPE:特作	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:108880031325
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 93.71 lm/W
MODEL	150w满天星	I _{max} (cd)	4927	S/MH(C0/180)	1.30	
NOMINAL POWER(W)	147.1	LOR(%)	100.0	S/MH(C90/270)	1.31	
RATED VOLTAGE(V)	232.1	TOTAL FLUX(lm)	13785	η UP, DN(C0-180)	0.0, 52.2	
NOMINAL FLUX(lm)	13785.1	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 47.8	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	232.1	η down(%)	100.0	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:10.110m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum,lamp
5	4909	4896	4888	4880	4892	4856	4855	4872	0- 5	117.1	117.1	0.85,0.85
10	4869	4842	4851	4826	4832	4779	4783	4795	5- 10	346.7	463.8	3.36,3.36
15	4785	4783	4813	4759	4737	4681	4712	4709	10- 15	567.1	1031	7.48,7.48
20	4672	4709	4669	4667	4601	4564	4535	4597	15- 20	771.6	1802	13.1,13.1
25	4507	4540	4524	4491	4428	4372	4358	4416	20- 25	950.0	2752	20,20
30	4316	4333	4380	4272	4231	4136	4182	4189	25- 30	1101	3853	28,28
35	4102	4126	4122	4065	3988	3900	3885	3954	30- 35	1219	5072	36.8,36.8
40	3817	3890	3863	3833	3702	3647	3589	3694	35- 40	1294	6365	46.2,46.2
45	3501	3560	3605	3510	3384	3282	3293	3334	40- 45	1327	7692	55.8,55.8
50	3131	3215	3231	3173	3028	2922	2856	2948	45- 50	1313	9005	65.3,65.3
55	2710	2854	2857	2829	2625	2539	2418	2548	50- 55	1244	10249	74.3,74.3
60	2230	2370	2482	2372	2164	2043	1980	2028	55- 60	1124	11373	82.5,82.5
65	1691	1897	1978	1907	1629	1546	1463	1505	60- 65	952.8	12325	89.4,89.4
70	1170	1391	1474	1410	1062	1056	946.3	1011	65- 70	732.8	13058	94.7,94.7
75	597.0	848.0	969.5	868.0	513.3	583.5	429.4	551.1	70- 75	483.3	13542	98.2,98.2
80	168.9	318.5	0	329.7	122.3	154.2	0	137.2	75- 80	217.4	13759	99.8,99.8
85	12.69	0	0	0	5.005	0	0	0	80- 85	25.52	13785	100,100
90	1.049	0	0	0	2.132	0	0	0	85- 90	0.5712	13785	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

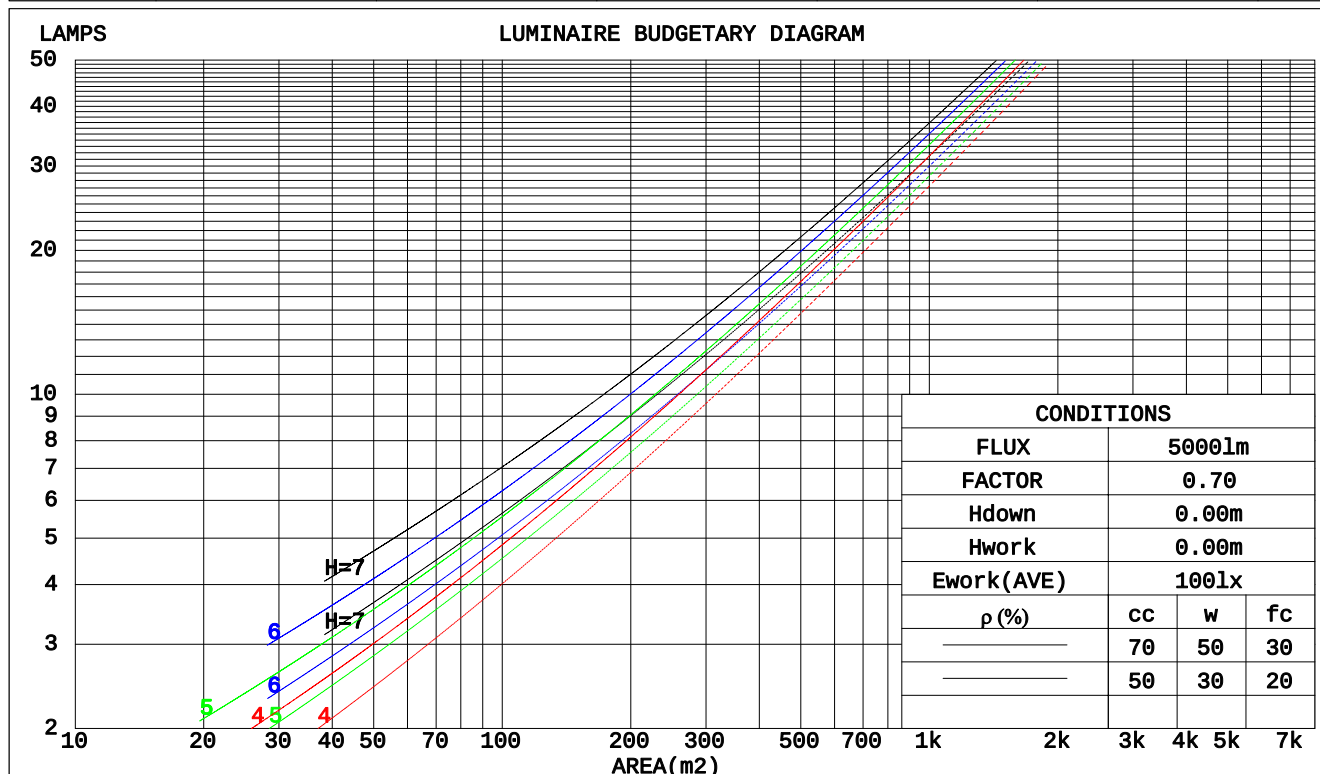
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:10.110m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 150w满天星	TYPE:特作	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:108880031325
MFR.:	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0														
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
ρfc	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	1.05	1.01	.98	1.03	.99	.96	.99	.96	.93	.95	.93	.90	.91	.89	.88	.86														
2.0	.92	.86	.80	.90	.84	.79	.87	.82	.77	.83	.79	.76	.80	.77	.74	.72														
3.0	.81	.73	.67	.79	.72	.66	.76	.70	.65	.74	.68	.64	.71	.67	.63	.61														
4.0	.72	.63	.57	.70	.62	.56	.68	.61	.55	.66	.60	.55	.63	.58	.54	.52														
5.0	.64	.55	.49	.63	.55	.48	.61	.53	.48	.59	.52	.47	.57	.51	.47	.45														
6.0	.58	.49	.42	.57	.48	.42	.55	.47	.42	.53	.47	.41	.52	.46	.41	.39														
7.0	.52	.43	.37	.51	.43	.37	.50	.42	.37	.48	.42	.37	.47	.41	.36	.34														
8.0	.48	.39	.33	.47	.39	.33	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31														
9.0	.44	.35	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.29	.28														
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25														



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-01-11

```

Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.266
Humidity:65.0%
Test Distance:10.110m [K=1.0000]
Remarks:

```

WEC AND CCEC

NAME: 150w满天星	TYPE:特作	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:108880031325
MFR.:	SUR.:	PROTECTION ANGLE:

ρ_{CC}	80%			70%			50%			30%			10%			0	
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.283	.161	.051	.276	.158	.050	.263	.151	.048	.251	.145	.046	.240	.139	.045		
2.0	.276	.151	.046	.270	.149	.046	.258	.144	.045	.247	.139	.043	.238	.134	.042		
3.0	.260	.138	.041	.254	.136	.041	.244	.132	.040	.234	.128	.039	.226	.125	.039		
4.0	.242	.126	.037	.237	.124	.037	.228	.121	.036	.220	.118	.036	.212	.115	.035		
5.0	.225	.115	.033	.221	.113	.033	.213	.111	.033	.205	.108	.032	.198	.106	.032		
6.0	.210	.105	.030	.206	.104	.030	.199	.102	.030	.192	.100	.029	.186	.098	.029		
7.0	.196	.097	.027	.193	.096	.027	.186	.094	.027	.180	.092	.027	.175	.091	.027		
8.0	.184	.090	.025	.181	.089	.025	.175	.087	.025	.169	.086	.025	.164	.084	.025		
9.0	.172	.083	.023	.170	.083	.023	.164	.081	.023	.160	.080	.023	.155	.079	.023		
10.0	.162	.078	.022	.160	.077	.022	.155	.076	.021	.151	.075	.021	.147	.074	.021		

ρ _{CC}	80%			70%			50%			30%			10%			0	
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ _{fC}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020		
1.0	.178	.156	.136	.153	.134	.117	.104	.092	.081	.060	.053	.047	.019	.017	.015		
2.0	.170	.132	.100	.146	.114	.086	.100	.079	.060	.058	.046	.035	.018	.015	.012		
3.0	.162	.114	.076	.139	.099	.066	.096	.068	.046	.055	.040	.027	.018	.013	.009		
4.0	.155	.101	.059	.133	.087	.052	.092	.061	.036	.053	.036	.021	.017	.012	.007		
5.0	.148	.090	.048	.127	.078	.042	.088	.055	.029	.051	.032	.017	.016	.010	.006		
6.0	.141	.082	.040	.121	.071	.035	.084	.050	.024	.049	.029	.015	.016	.010	.005		
7.0	.134	.075	.034	.116	.065	.029	.080	.046	.021	.046	.027	.012	.015	.009	.004		
8.0	.128	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004		
9.0	.122	.064	.025	.105	.056	.022	.073	.039	.016	.042	.023	.009	.014	.008	.003		
10.0	.117	.060	.023	.100	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:10.110m [K=1.0000]
 Remarks:

Uncorrected UGR Table

NAME: 150w满天星						TYPE:特作				WEIGHT:	
DIM.:						SPEC.:				SERIAL No.:108880031325	
MFR.:						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	26.5	28.0	26.8	28.2	28.4	26.9	28.4	27.2	28.6	28.8	
3H	27.7	29.1	28.0	29.3	29.6	28.4	29.8	28.7	30.0	30.2	
4H	28.0	29.3	28.3	29.5	29.8	28.9	30.2	29.2	30.5	30.7	
6H	28.0	29.2	28.3	29.5	29.8	28.9	30.2	29.3	30.4	30.7	
8H	28.0	29.1	28.3	29.4	29.7	28.9	30.1	29.2	30.4	30.6	
12H	27.9	29.0	28.3	29.3	29.6	28.8	30.0	29.2	30.3	30.6	
4H 2H	27.2	28.5	27.5	28.7	29.0	27.5	28.8	27.8	29.0	29.3	
3H	28.5	29.7	28.9	30.0	30.3	29.1	30.3	29.5	30.6	30.9	
4H	28.9	29.9	29.3	30.2	30.6	29.7	30.8	30.1	31.1	31.4	
6H	28.9	29.8	29.3	30.2	30.6	29.8	30.7	30.2	31.1	31.4	
8H	28.9	29.7	29.3	30.1	30.5	29.8	30.6	30.2	31.0	31.4	
12H	28.9	29.6	29.3	30.0	30.4	29.7	30.5	30.2	30.9	31.3	
8H 4H	29.1	29.9	29.5	30.3	30.7	29.9	30.7	30.3	31.1	31.5	
6H	29.2	29.9	29.7	30.3	30.7	30.0	30.7	30.4	31.1	31.5	
8H	29.2	29.8	29.7	30.2	30.7	30.0	30.6	30.4	31.0	31.4	
12H	29.2	29.7	29.6	30.1	30.6	29.9	30.4	30.4	30.9	31.4	
12H 4H	29.1	29.8	29.5	30.2	30.6	29.9	30.6	30.3	31.0	31.4	
6H	29.2	29.8	29.7	30.2	30.7	30.0	30.6	30.4	31.0	31.5	
8H	29.2	29.7	29.7	30.2	30.6	29.9	30.5	30.4	30.9	31.4	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
1.5H	+ 0.3 / - 0.5					+ 0.2 / - 0.3					
2.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.4					

CIE Pub.117 Corrected 13785 lm Total Lamp Luminous Flux.(8log(F/F0) = 9.1)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:10.110m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

NAME: 150w满天星	TYPE:特作	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:108880031325
MFR.:	SUR.:	PROTECTION ANGLE:

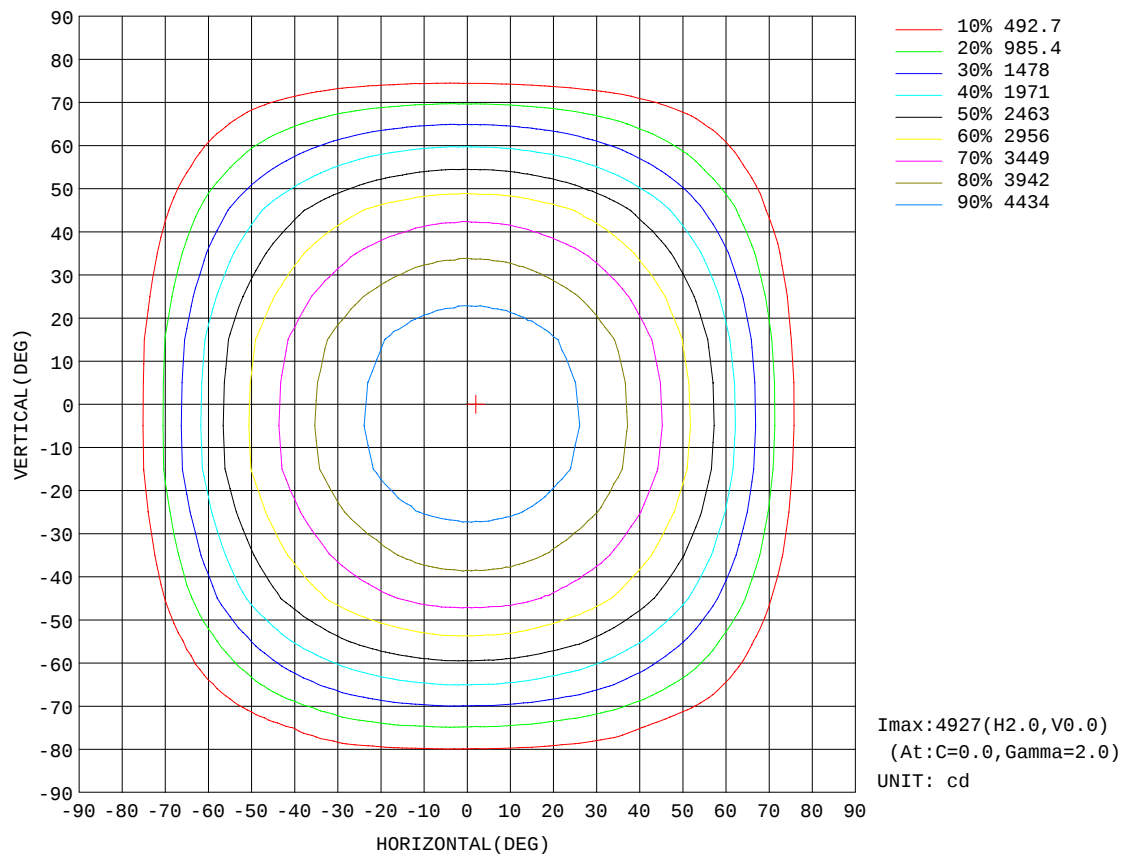
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	47	40	57	46	40	56	46	39	33
0.80	68	57	50	67	57	50	66	56	49	42
1.00	77	66	59	76	66	59	74	67	58	52
1.25	84	74	67	83	74	67	80	72	66	59
1.50	90	80	73	88	79	73	85	77	72	64
2.00	96	88	82	95	87	81	91	85	80	72
2.50	100	93	87	98	92	86	94	89	84	76
3.00	104	97	92	101	96	91	97	93	89	80
4.00	107	102	98	105	100	96	101	97	94	85
5.00	110	105	102	107	103	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNM = 1.25		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:10.110m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

NAME: 150w满天星	TYPE:特作	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:108880031325
MFR.:	SUR.:	PROTECTION ANGLE:

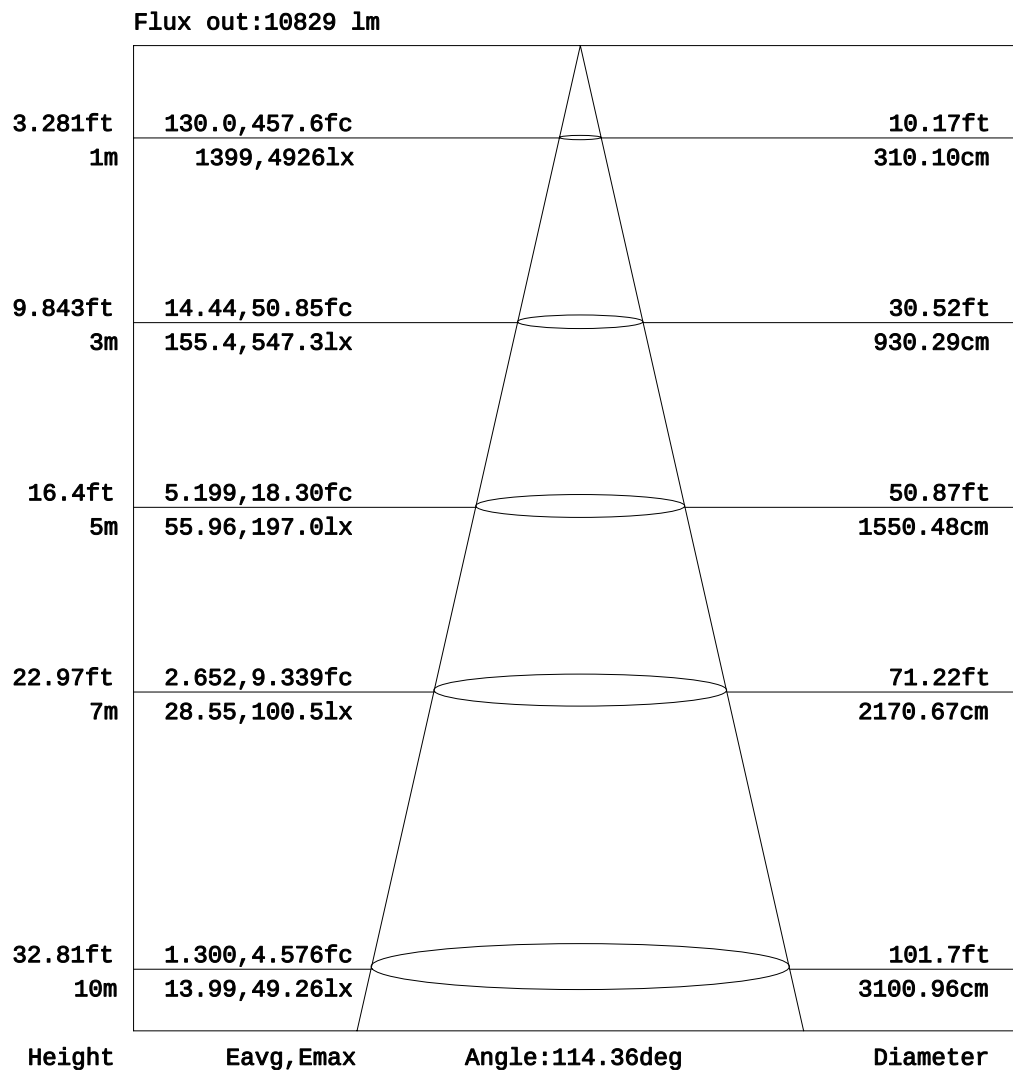


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-01-11

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.266
Humidity: 65.0%
Test Distance: 10.110m [K=1.0000]
Remarks:

AAI Figure

NAME: 150w满天星	TYPE:特作	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:108880031325
MFR.:	SUR.:	PROTECTION ANGLE:



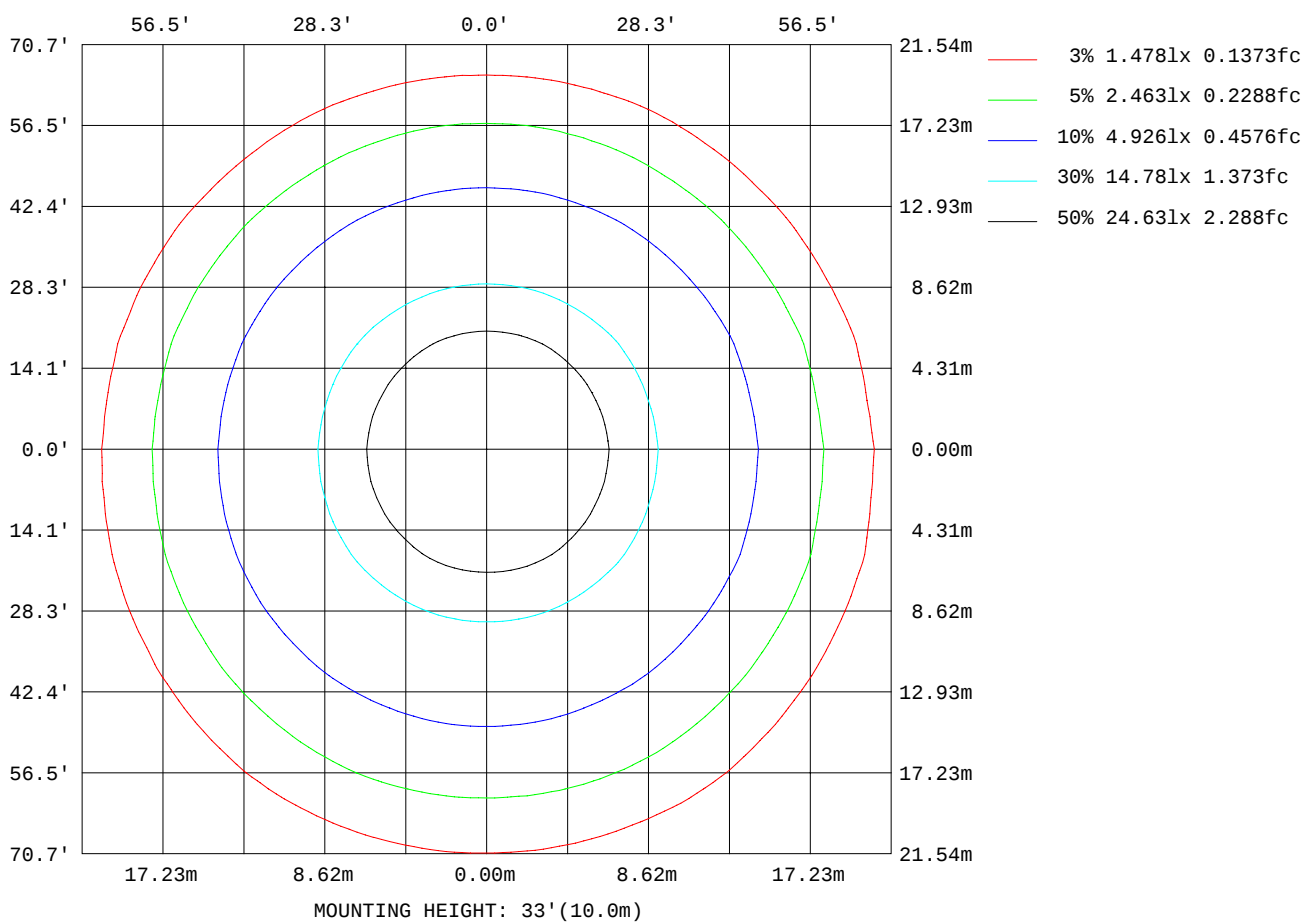
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-01-11

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.266
Humidity: 65.0%
Test Distance: 10.110m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

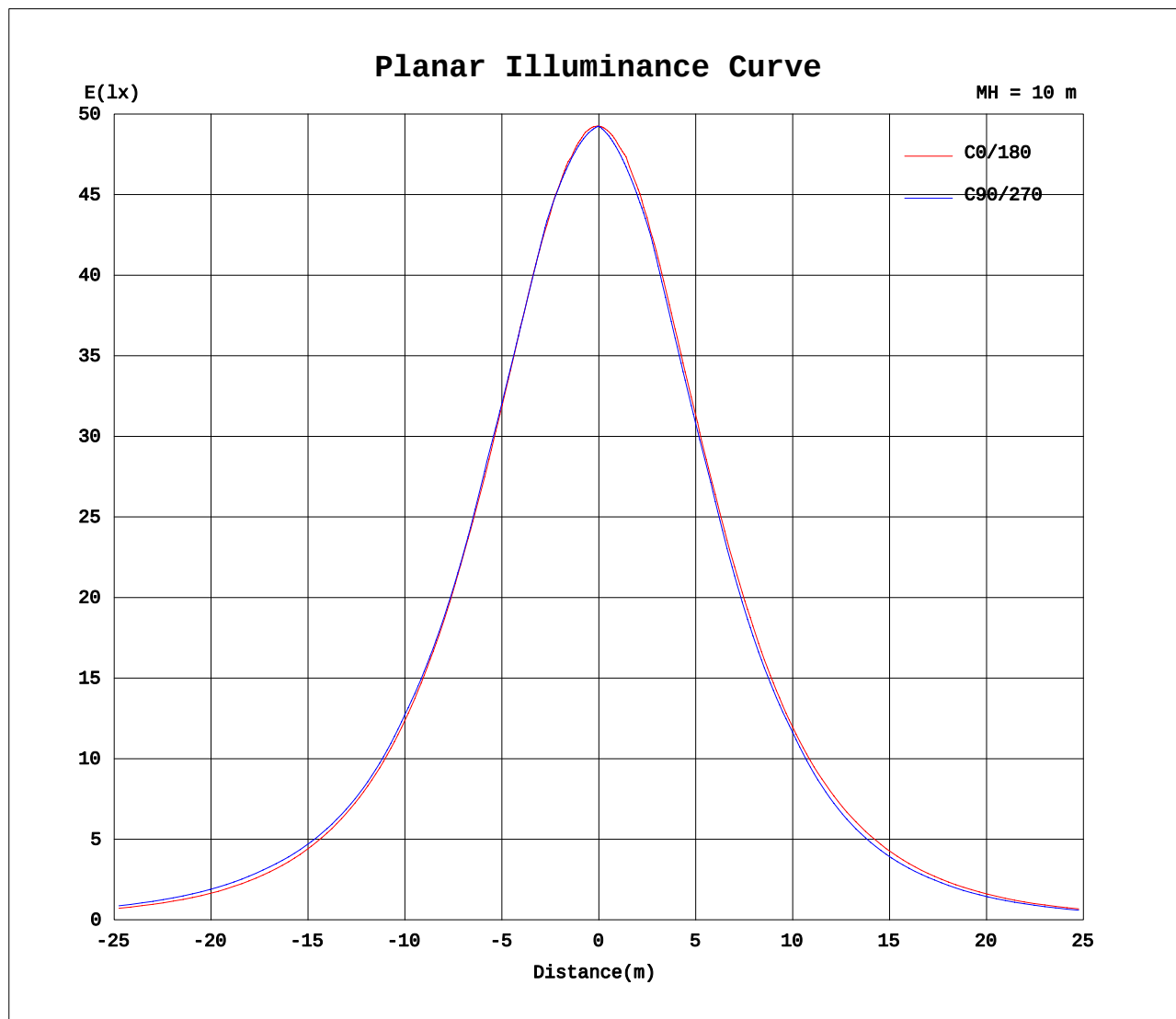
NAME: 150w满天星	TYPE:特作	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:108880031325
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-11

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.266
Humidity:65.0%
Test Distance:10.110m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-01-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.266
Humidity: 65.0%
Test Distance: 10.110m [K=1.0000]
Remarks: