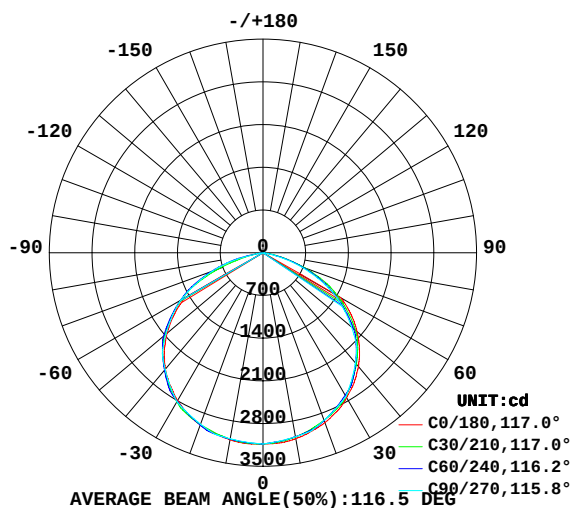


LUMINAIRE PHOTOMETRIC TEST REPORT

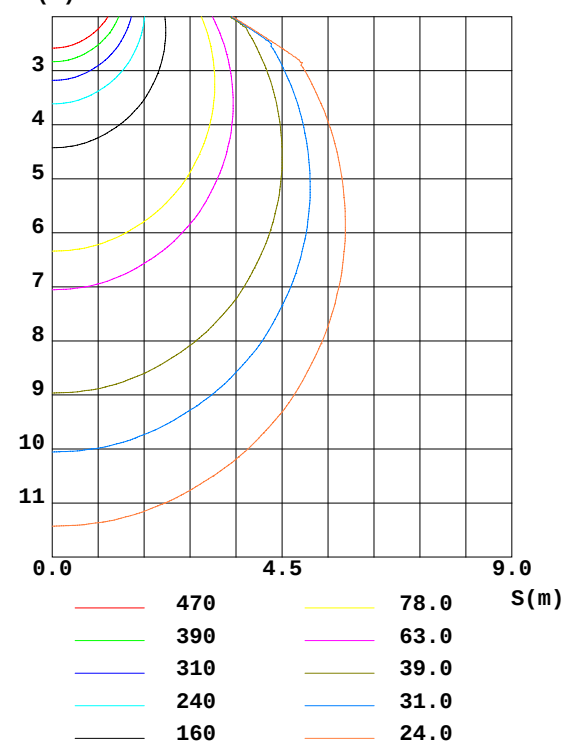
NAME: 满天星 100w正白 非CE非隔离	TYPE: 研发样品01	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 92.30 lm/W			
满天星 100w正白 非CE非隔离		Imax(cd)	3139	S/MH(C0/180)	1.30
NOMINAL POWER(W)	94.2	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	232.2	TOTAL FLUX(lm)	8694.8	η UP, DN(C0-180)	0.0, 48.5
NOMINAL FLUX(lm)	8694.77	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 51.5
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	232.2	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: 2017-08-28

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	3129	3104	3098	3113	3139	3124	3115	3116	0- 5	74.66	74.66	0.86,0.86
10	3092	3062	3062	3072	3112	3102	3095	3086	5- 10	221.8	296.4	3.41,3.41
15	3032	3004	3026	3026	3060	3060	3076	3039	10- 15	363.1	659.6	7.59,7.59
20	2962	2933	2924	2966	3001	3010	2991	2983	15- 20	494.8	1154	13.3,13.3
25	2867	2821	2821	2860	2911	2922	2906	2880	20- 25	611.9	1766	20.3,20.3
30	2741	2694	2719	2734	2798	2808	2820	2764	25- 30	712.3	2479	28.5,28.5
35	2601	2556	2537	2595	2651	2681	2658	2638	30- 35	791.3	3270	37.6,37.6
40	2436	2393	2356	2436	2490	2535	2496	2485	35- 40	843.3	4113	47.3,47.3
45	2235	2172	2174	2209	2288	2324	2334	2273	40- 45	868.7	4982	57.3,57.3
50	2012	1941	1895	1976	2052	2107	2076	2057	45- 50	863.1	5845	67.2,67.2
55	1763	1698	1616	1732	1781	1872	1818	1824	50- 55	820.2	6665	76.7,76.7
60	1470	1371	1337	1399	1473	1555	1560	1518	55- 60	743.8	7409	85.2,85.2
65	0	1055	994.3	1064	0	1230	1219	1214	60- 65	564.7	7974	91.7,91.7
70	0	731.8	651.2	727.4	0	870.6	878.4	893.2	65- 70	381.2	8355	96.1,96.1
75	0	401.7	308.0	376.2	0	485.2	537.5	556.3	70- 75	235.9	8591	98.8,98.8
80	0	99.53	0	70.14	0	127.1	0	219.9	75- 80	96.91	8688	99.9,99.9
85	0	0	0	0	0	0	0	0	80- 85	7.081	8695	100,100
90	0	0	0	0	0	0	0	0	85- 90	0	8695	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		

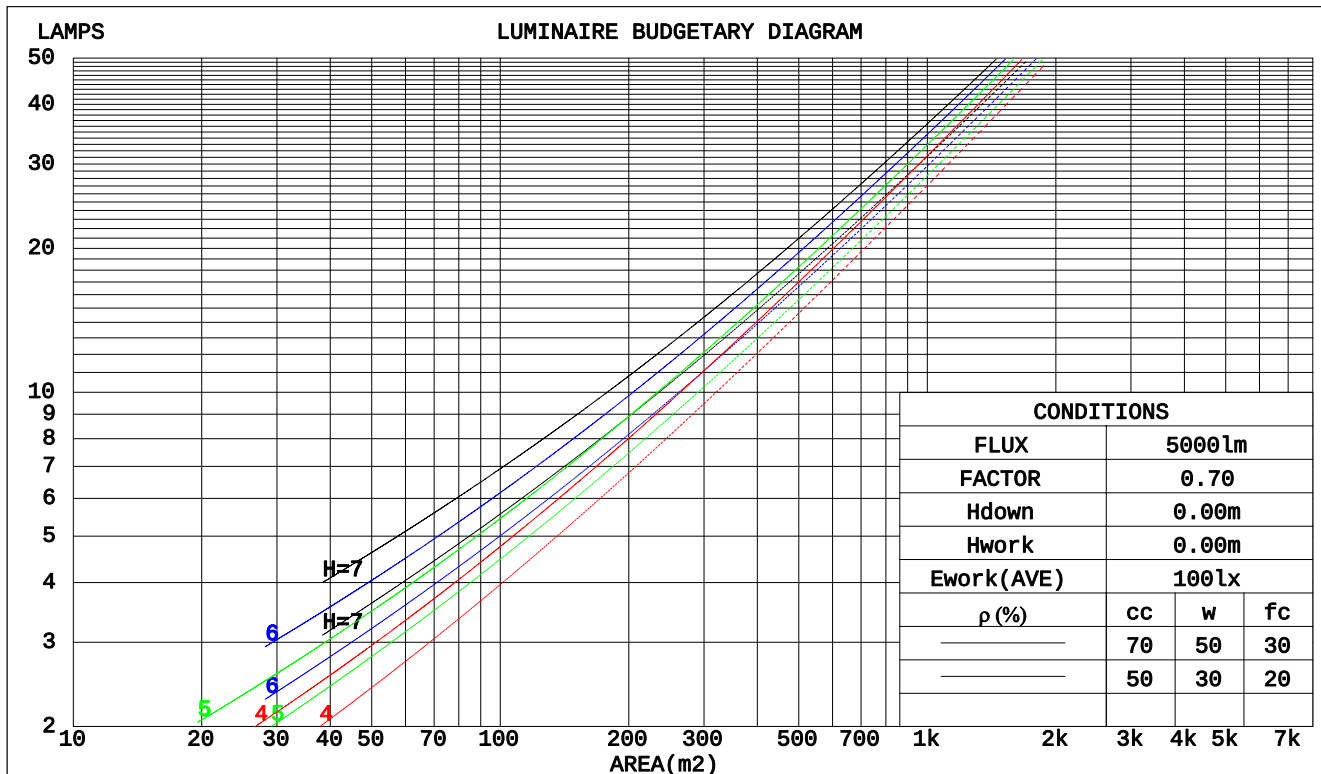
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-08-28

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: 满天星 100w正白 非CE非隔离	TYPE:研发样品01	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
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	1.00
1.0	1.06	1.02	.99	1.04	1.00	.97	.99	.96	.94	.95	.93	.91	.92	.90	.88	.86
2.0	.93	.87	.81	.91	.85	.80	.88	.83	.78	.84	.80	.77	.81	.78	.75	.73
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.75	.69	.65	.72	.68	.64	.62
4.0	.73	.64	.58	.71	.63	.57	.69	.62	.57	.67	.61	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.49	.62	.54	.49	.60	.53	.48	.58	.52	.48	.46
6.0	.58	.50	.43	.57	.49	.43	.56	.48	.43	.54	.47	.42	.52	.47	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.37	.35
8.0	.48	.40	.34	.48	.40	.34	.46	.39	.34	.45	.38	.34	.44	.38	.33	.31
9.0	.44	.36	.31	.44	.36	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-08-28

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:

WEC AND CCEC

NAME: 满天星 100w正白 非CE非隔离	TYPE:研发样品01	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
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	.274	.156	.049	.267	.152	.048	.254	.146	.046	.242	.139	.045	.231	.134	.043		
2.0	.268	.147	.045	.262	.144	.044	.250	.139	.043	.240	.135	.042	.230	.130	.041		
3.0	.254	.135	.040	.248	.133	.040	.238	.129	.039	.229	.125	.038	.220	.122	.038		
4.0	.238	.123	.036	.233	.122	.036	.224	.119	.035	.215	.116	.035	.208	.113	.034		
5.0	.222	.113	.033	.218	.112	.033	.210	.109	.032	.202	.107	.032	.195	.104	.031		
6.0	.207	.104	.030	.204	.103	.030	.196	.101	.029	.190	.099	.029	.184	.097	.029		
7.0	.194	.096	.027	.191	.095	.027	.184	.093	.027	.178	.091	.027	.173	.090	.026		
8.0	.182	.089	.025	.179	.088	.025	.173	.087	.025	.168	.085	.025	.163	.084	.024		
9.0	.171	.083	.023	.168	.082	.023	.163	.081	.023	.158	.079	.023	.154	.078	.023		
10.0	.161	.077	.021	.159	.077	.021	.154	.076	.021	.150	.074	.021	.146	.073	.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	.137	.152	.134	.118	.104	.092	.082	.060	.053	.047	.019	.017	.015	
2.0	.169	.132	.101	.145	.114	.087	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.161	.114	.077	.138	.099	.066	.095	.068	.047	.055	.040	.027	.018	.013	.009	
4.0	.154	.101	.060	.132	.087	.052	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.147	.090	.048	.126	.078	.042	.087	.055	.030	.050	.032	.018	.016	.010	.006	
6.0	.140	.082	.040	.120	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.134	.075	.034	.115	.065	.029	.079	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.127	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.064	.026	.105	.056	.022	.073	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.069	.037	.014	.040	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-08-28

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: 满天星 100w正白 非CE非隔离						TYPE:研发样品01					WEIGHT:				
DIM.:						SPEC.:					SERIAL No.:				
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	24.5	26.0	24.8	26.2	26.4	24.6	26.0	24.8	26.2	26.4					
3H	24.5	25.8	24.8	26.1	26.3	25.6	27.0	25.9	27.2	27.4					
4H	24.4	25.6	24.7	25.9	26.1	25.8	27.1	26.1	27.3	27.6					
6H	24.3	25.5	24.6	25.7	26.0	25.8	27.0	26.1	27.2	27.5					
8H	24.2	25.4	24.5	25.6	25.9	25.7	26.9	26.1	27.2	27.4					
12H	24.2	25.3	24.5	25.6	25.9	25.7	26.8	26.0	27.1	27.4					
4H 2H	25.1	26.4	25.4	26.7	26.9	25.1	26.4	25.4	26.7	26.9					
3H	25.5	26.6	25.9	26.9	27.2	26.3	27.4	26.7	27.7	28.0					
4H	25.4	26.4	25.8	26.8	27.1	26.6	27.6	27.0	27.9	28.2					
6H	25.3	26.2	25.7	26.6	26.9	26.6	27.5	27.0	27.8	28.2					
8H	25.3	26.1	25.7	26.5	26.9	26.5	27.3	26.9	27.7	28.1					
12H	25.3	26.0	25.7	26.4	26.8	26.5	27.2	26.9	27.6	28.0					
8H 4H	25.6	26.5	26.0	26.8	27.2	26.7	27.5	27.1	27.9	28.2					
6H	25.6	26.3	26.0	26.7	27.1	26.7	27.4	27.1	27.8	28.2					
8H	25.5	26.1	26.0	26.6	27.0	26.6	27.2	27.1	27.7	28.1					
12H	25.5	26.0	26.0	26.5	26.9	26.6	27.1	27.1	27.6	28.0					
12H 4H	25.6	26.3	26.0	26.7	27.1	26.6	27.4	27.1	27.8	28.2					
6H	25.5	26.1	26.0	26.6	27.0	26.6	27.2	27.1	27.7	28.1					
8H	25.5	26.0	26.0	26.5	26.9	26.6	27.1	27.1	27.6	28.0					
Variations with the observer position at spacings:															
S = 1.0H	+ 0.6 / - 0.6					+ 0.3 / - 0.4									
1.5H	+ 0.8 / - 0.9					+ 0.3 / - 0.5									
2.0H	+ 0.6 / - 1.3					+ 0.4 / - 0.4									

CIE Pub.117 Corrected 8695 lm Total Lamp Luminous Flux.(8log(F/F0) = 7.5)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-08-28

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: 满天星 100w正白 非CE非隔离	TYPE:研发样品01	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

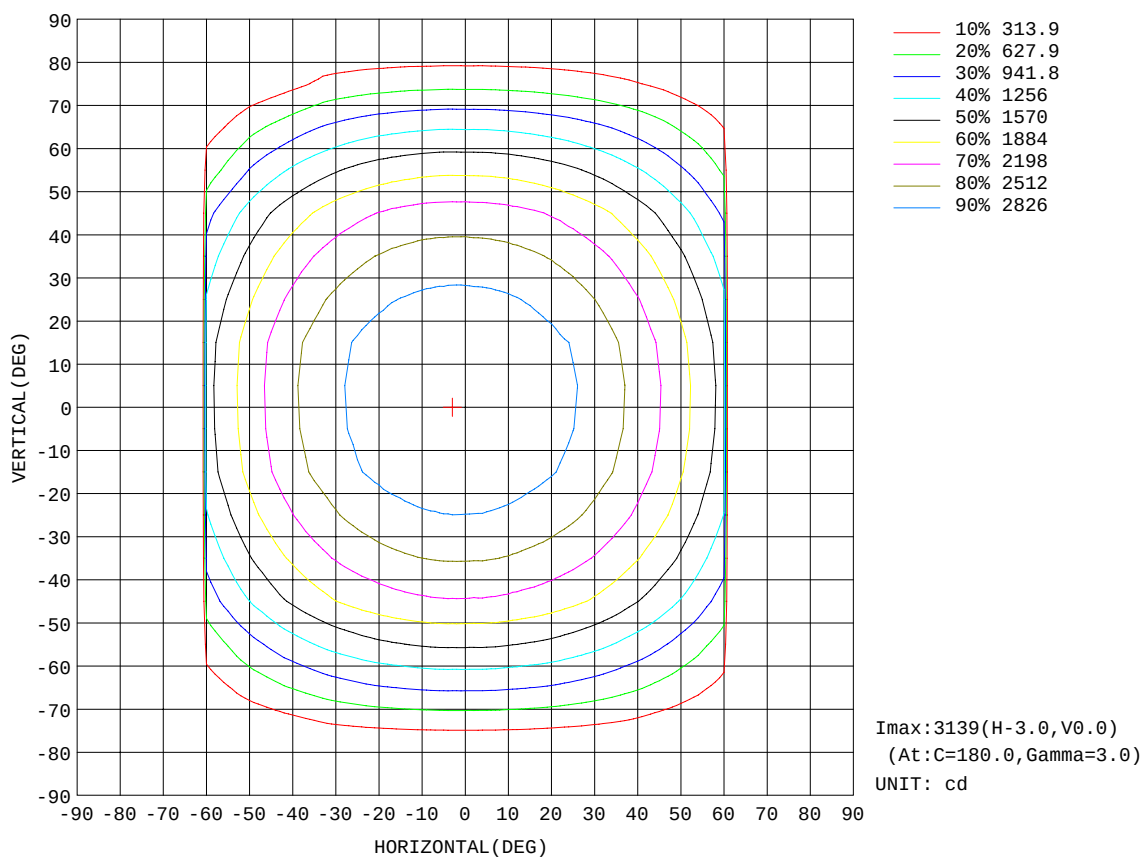
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	58	47	40	58	47	40	57	46	40	33
0.80	69	58	51	68	57	50	66	57	50	43
1.00	78	67	60	77	67	60	75	68	60	53
1.25	85	75	69	84	75	68	81	73	68	61
1.50	90	81	75	89	80	74	86	79	73	66
2.00	97	89	83	95	88	83	92	86	81	74
2.50	101	94	88	99	92	87	95	90	85	78
3.00	104	98	93	102	96	92	98	93	90	82
4.00	108	103	98	105	101	97	101	98	94	86
5.00	110	106	102	108	104	100	103	100	97	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNOM = 1.25										

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-08-28

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: 满天星 100w正白 非CE非隔离	TYPE: 研发样品01	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

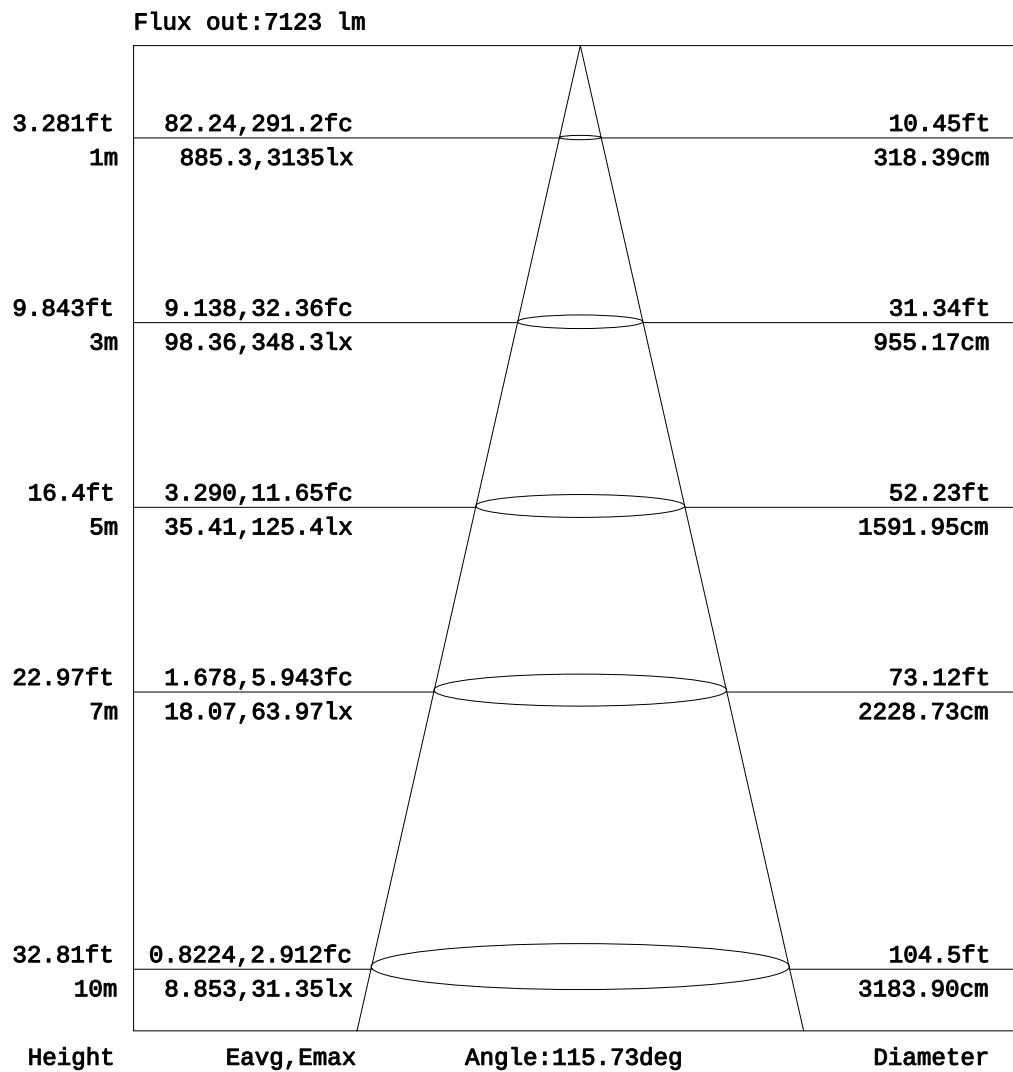


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-08-28

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: 满天星 100w正白 非CE非隔离	TYPE:研发样品01	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



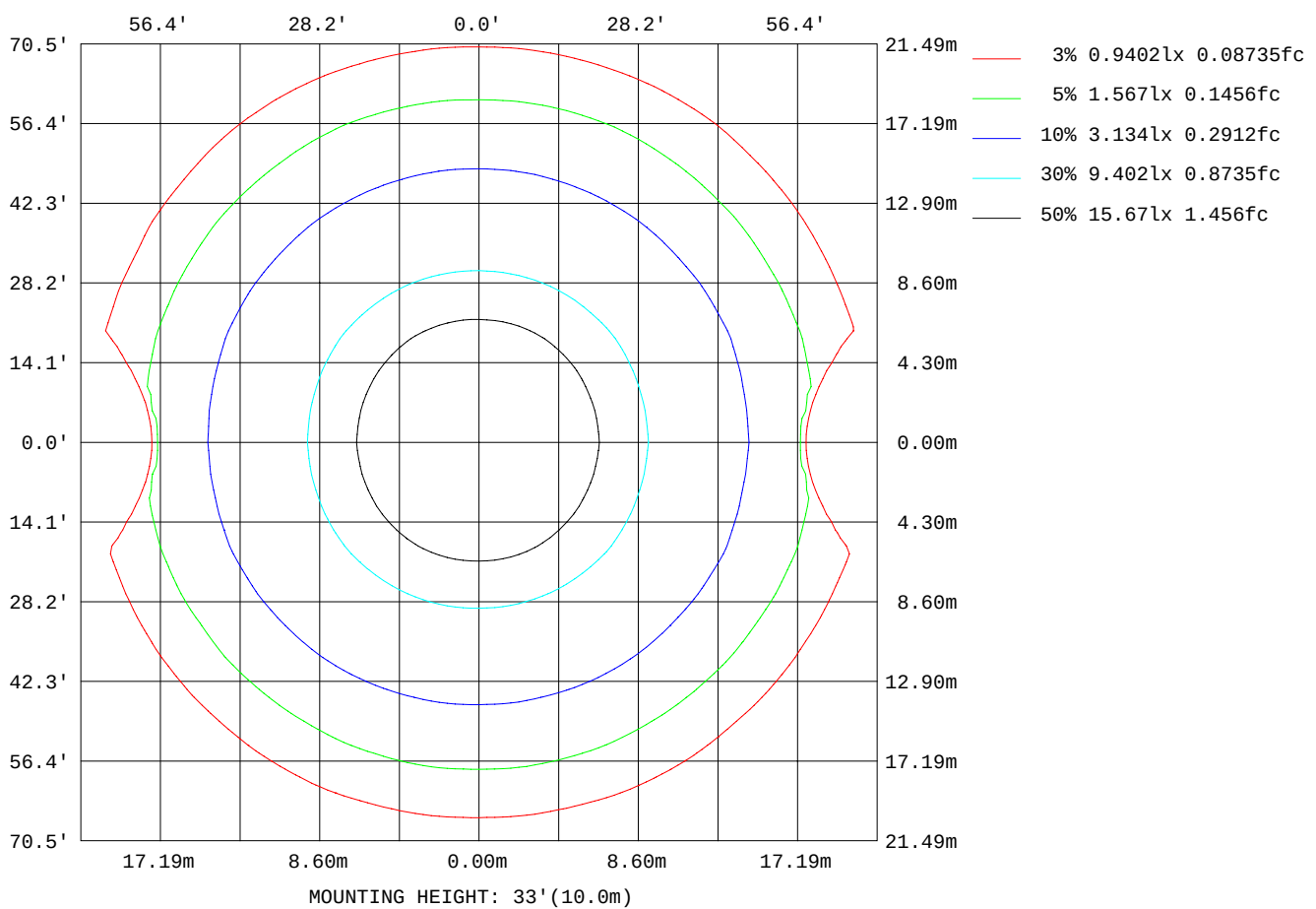
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-08-28

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

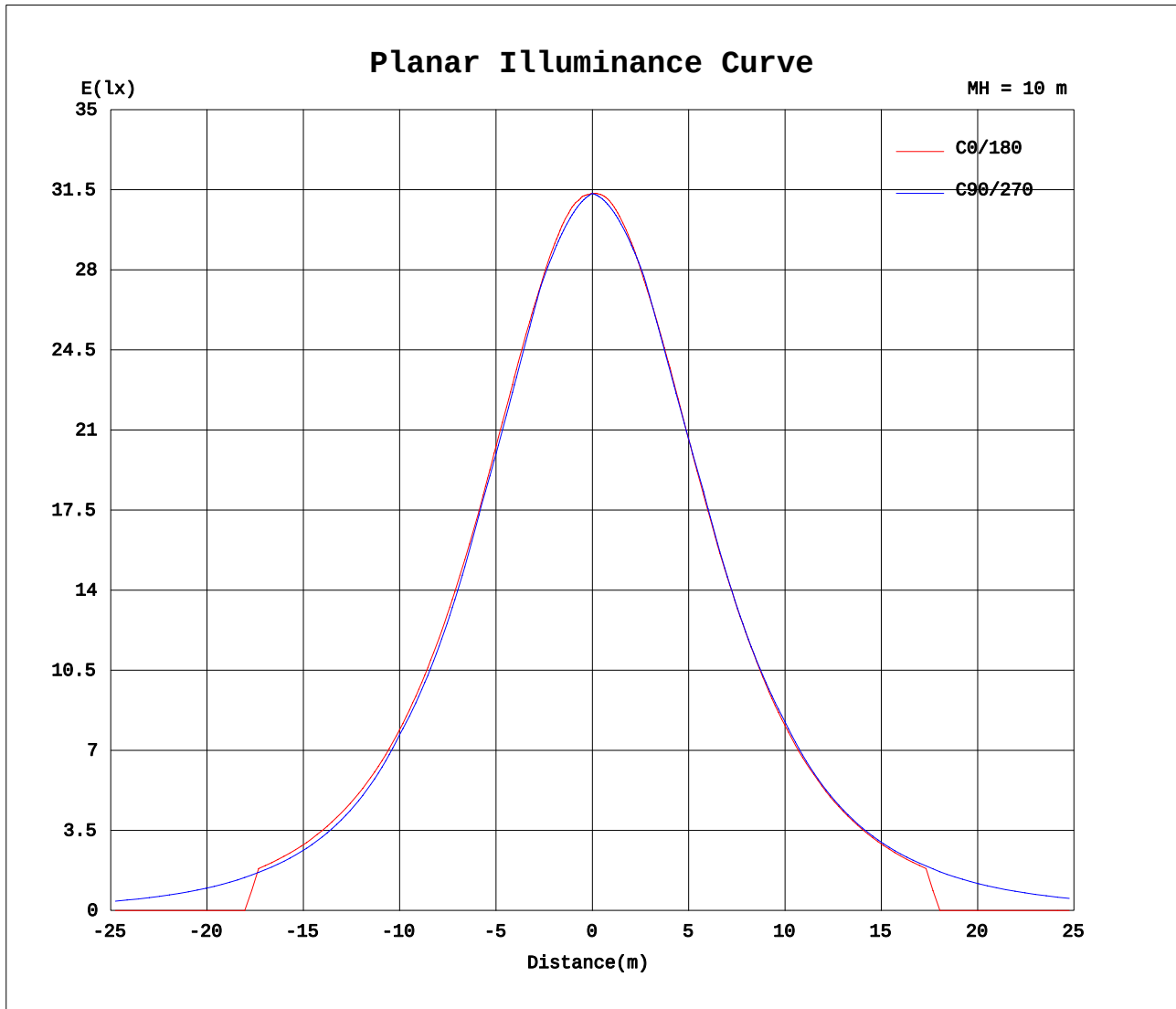
NAME: 满天星 100w正白 非CE非隔离	TYPE: 研发样品01	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
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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: 2017-08-28

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: