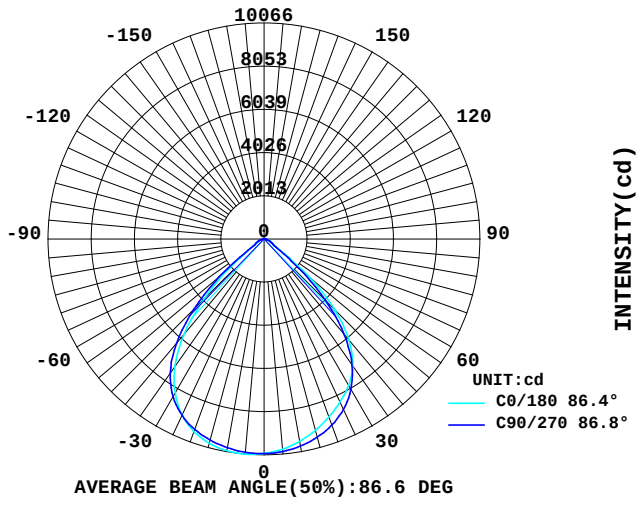
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: IA100-085N-FH2		TYPE: 5700K	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION: 85DEG	SERIAL No.:

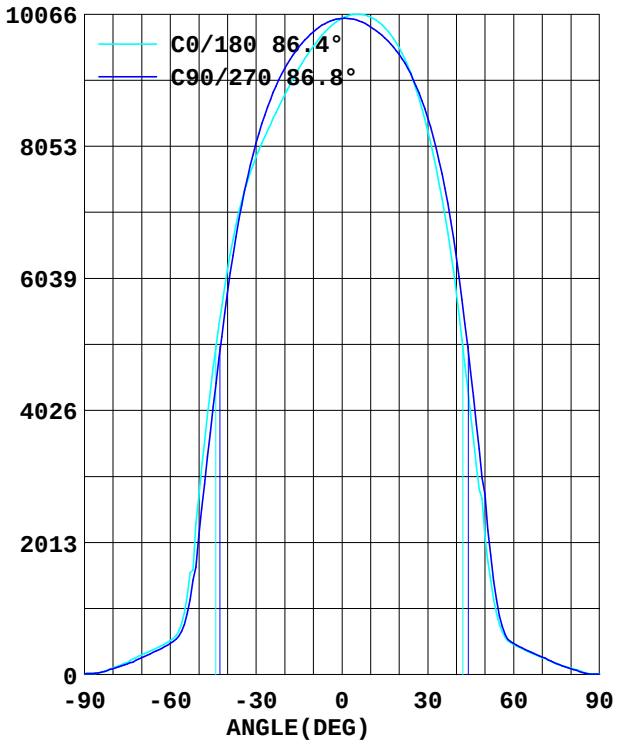
DATA OF LAMP		Imax(cd)	10066	S/MH(C0/180)	1.18
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.20
NOMINAL POWER(W)	102	TOTAL FLUX(lm)	17041	Voltage(V)	230.3
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	167.7	Current(A)	0.454
NOMINAL FLUX(lm)	17041.0	η up(%)	0.0	Power(W)	101.5
LAMPS QUANTITY	1	η down(%)	100.0	Power Factor(PF)	0.970
TEST VOLTAGE(V)	230.4	Effictive Flux(lm)	17041.0	EEI	0.089

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):86.6 DEG

LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO
Temperature:25.3DEG
Operators:
Test Date:2024.10.16

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

AVERAGE AND CENTER E Figure

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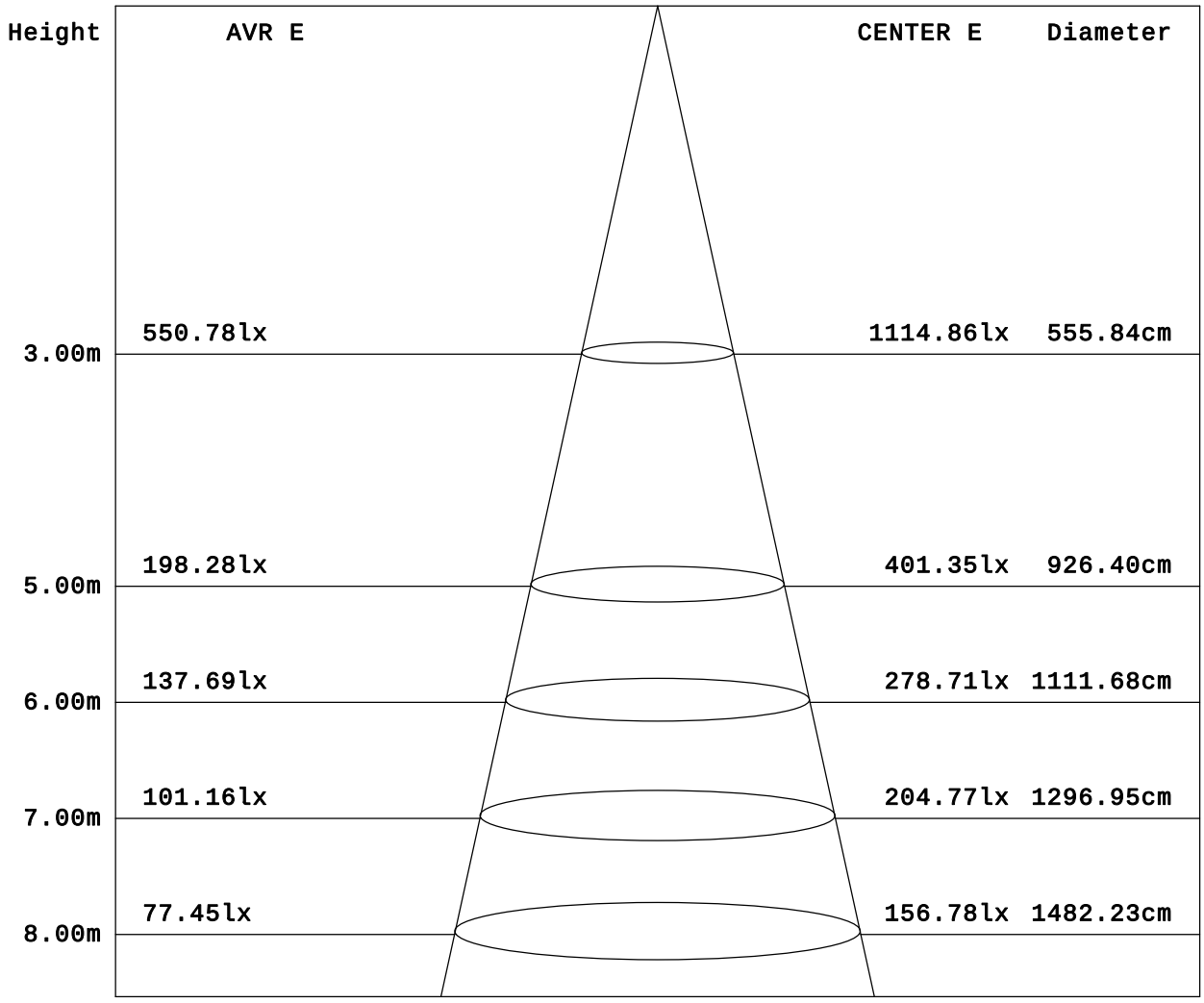

Angle:85.6deg

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ZONAL FLUX DIAGRAM

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NAME: IA100-085N-FH2		TYPE: 5700K	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION: 85DEG	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	983.4	986.4	994.2	1001	1007	1005	997.8	989.7	0- 5	238.5	238.5
10.0	957.5	964.1	979.5	992.4	1002	999.2	987.4	971.0	5- 10	707.2	945.8
15.0	924.2	934.9	957.0	972.5	985.9	984.6	970.4	945.5	10- 15	1152	2097
20.0	882.8	897.0	923.3	937.8	955.5	957.7	945.3	914.8	15- 20	1555	3652
25.0	838.0	851.6	875.9	884.5	904.8	913.1	906.4	876.4	20- 25	1897	5550
30.0	789.0	796.3	810.4	807.7	828.5	843.9	848.5	826.4	25- 30	2154	7704
35.0	721.6	717.7	714.8	698.8	725.3	745.5	763.2	755.9	30- 35	2286	9990
40.0	615.6	598.6	580.2	547.8	580.1	604.7	634.5	647.0	35- 40	2231	12221
45.0	468.4	442.3	408.4	366.2	396.4	423.3	461.4	494.4	40- 45	1921	14142
50.0	271.0	274.7	211.3	180.6	209.4	226.9	274.8	295.4	45- 50	1360	15502
55.0	93.97	83.66	76.24	66.95	76.75	83.69	89.51	110.1	50- 55	655.0	16157
60.0	52.10	47.04	47.58	44.09	46.04	48.65	47.44	53.91	55- 60	281.2	16439
65.0	39.79	35.84	35.63	33.60	35.13	37.87	36.44	42.08	60- 65	206.7	16645
70.0	29.79	26.31	25.47	25.41	25.58	28.44	26.66	31.66	65- 70	162.7	16808
75.0	18.28	16.73	16.53	16.41	16.50	18.80	17.05	22.04	70- 75	118.2	16927
80.0	10.04	7.983	9.179	8.141	10.00	10.76	9.258	11.86	75- 80	72.65	16999
85.0	2.647	2.012	2.759	2.337	2.692	4.171	2.207	4.087	80- 85	33.21	17032
90.0	1.391	0.787	1.374	0.790	1.211	1.416	0.777	1.434	85- 90	8.585	17041
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm	

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ISOCANDELA DIAGRAM

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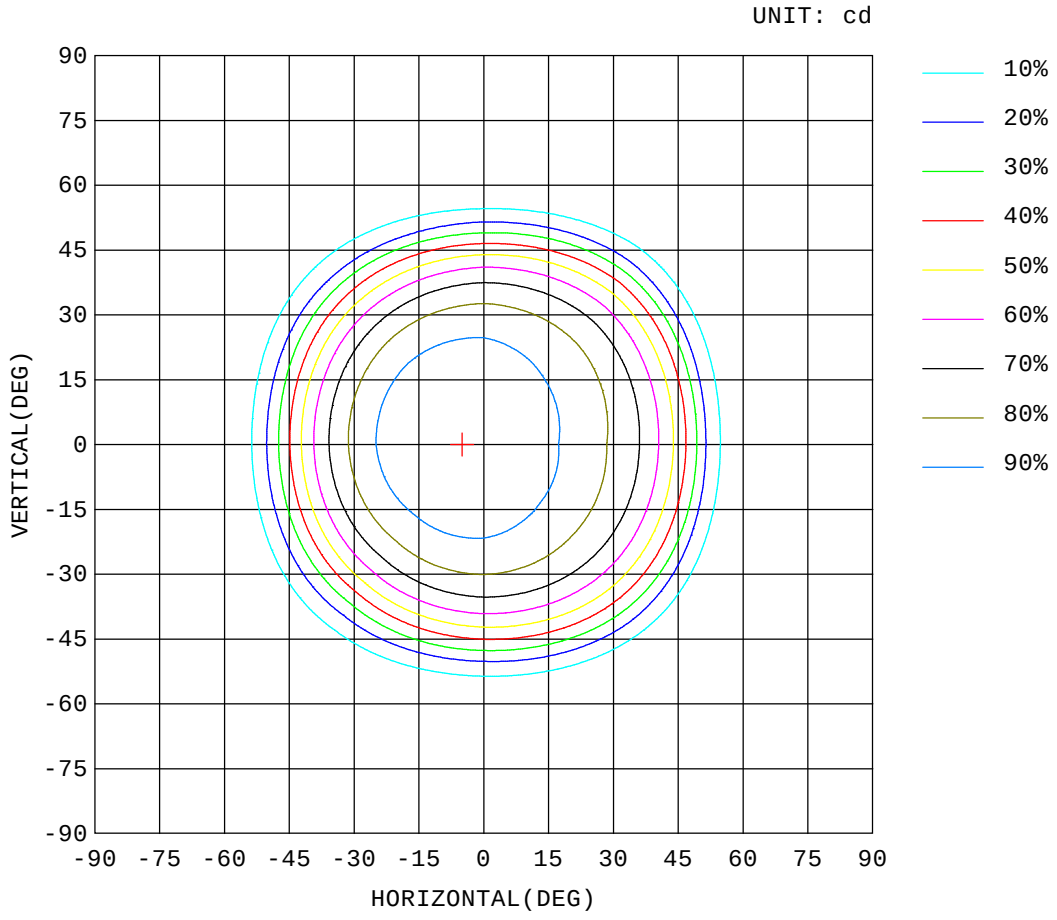

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ISOLUX DIAGRAM

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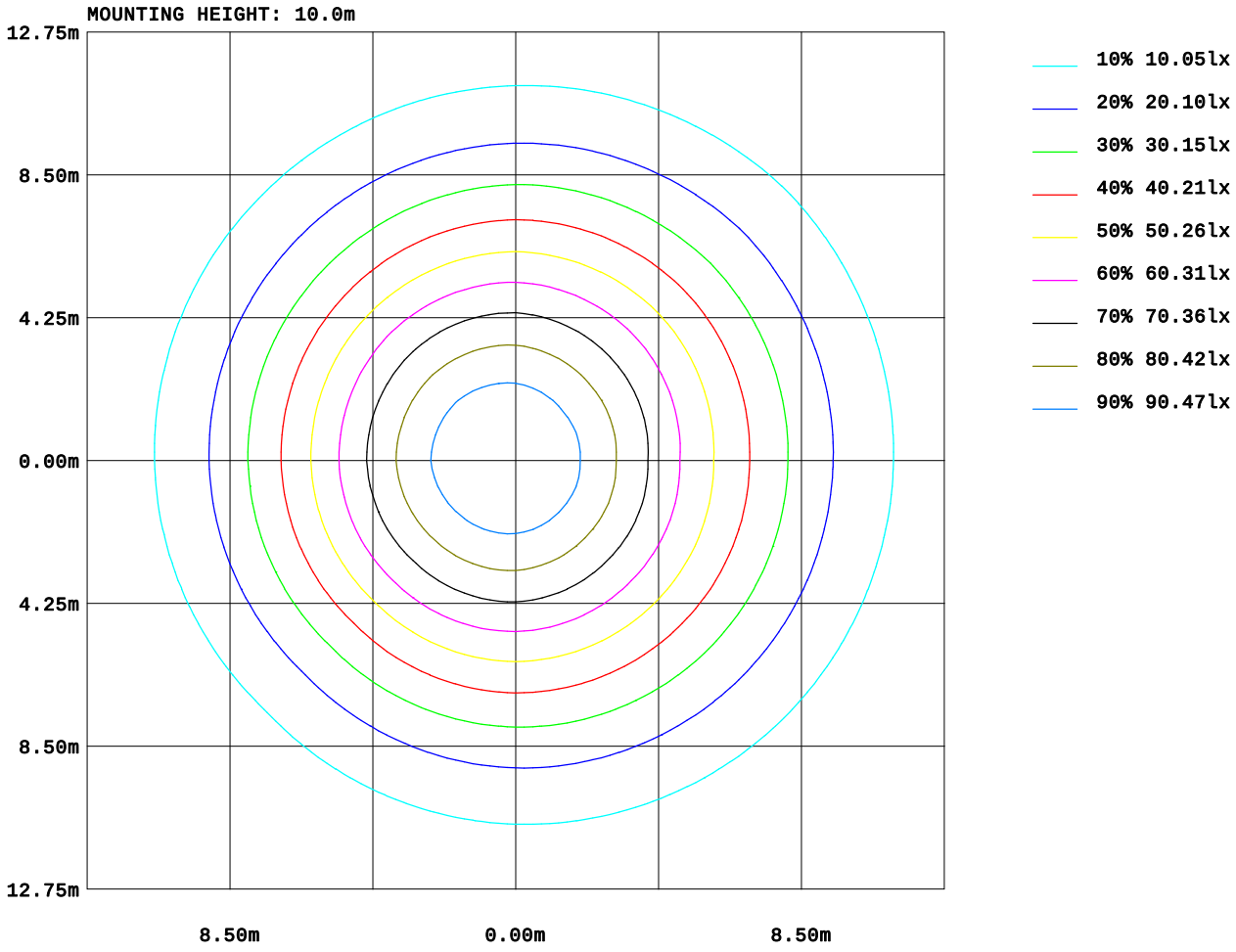
SPECIFICATION:	CCT(K): 4000	DIMENSION: 85DEG	SERIAL No.:



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LUMINOUS DISTRIBUTION INTENSITY DATA

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UNIT: ×10cd

γ (DEG) \ C(DEG)	0	45	90	135	180	225	270	315
0.0	1000	1000	1000	1000	1000	1000	1000	1000
5.0	983	986	994	1001	1007	1005	998	990
10.0	958	964	980	992	1002	999	987	971
15.0	924	935	957	973	986	985	970	946
20.0	883	897	923	938	956	958	945	915
25.0	838	852	876	885	905	913	906	876
30.0	789	796	810	808	829	844	849	826
35.0	722	718	715	699	725	746	763	756
40.0	616	599	580	548	580	605	635	647
45.0	468	442	408	366	396	423	461	494
50.0	271	275	211	181	209	227	275	295
55.0	93.9	83.6	76.2	66.9	76.7	83.6	89.5	110
60.0	52.1	47.0	47.5	44.0	46.0	48.6	47.4	53.9
65.0	39.7	35.8	35.6	33.6	35.1	37.8	36.4	42.0
70.0	29.7	26.3	25.4	25.4	25.5	28.4	26.6	31.6
75.0	18.2	16.7	16.5	16.4	16.5	18.8	17.0	22.0
80.0	10.0	7.98	9.17	8.14	10.0	10.7	9.25	11.8
85.0	2.64	2.01	2.75	2.33	2.69	4.17	2.20	4.08
90.0	1.39	0.79	1.37	0.79	1.21	1.41	0.78	1.43

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