

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1296778

Luminaire Tested: P3A13R35W2N902750DE010 E3PH1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1296778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R35W2N902750DE010 E3PH1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 90CRI ,
E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

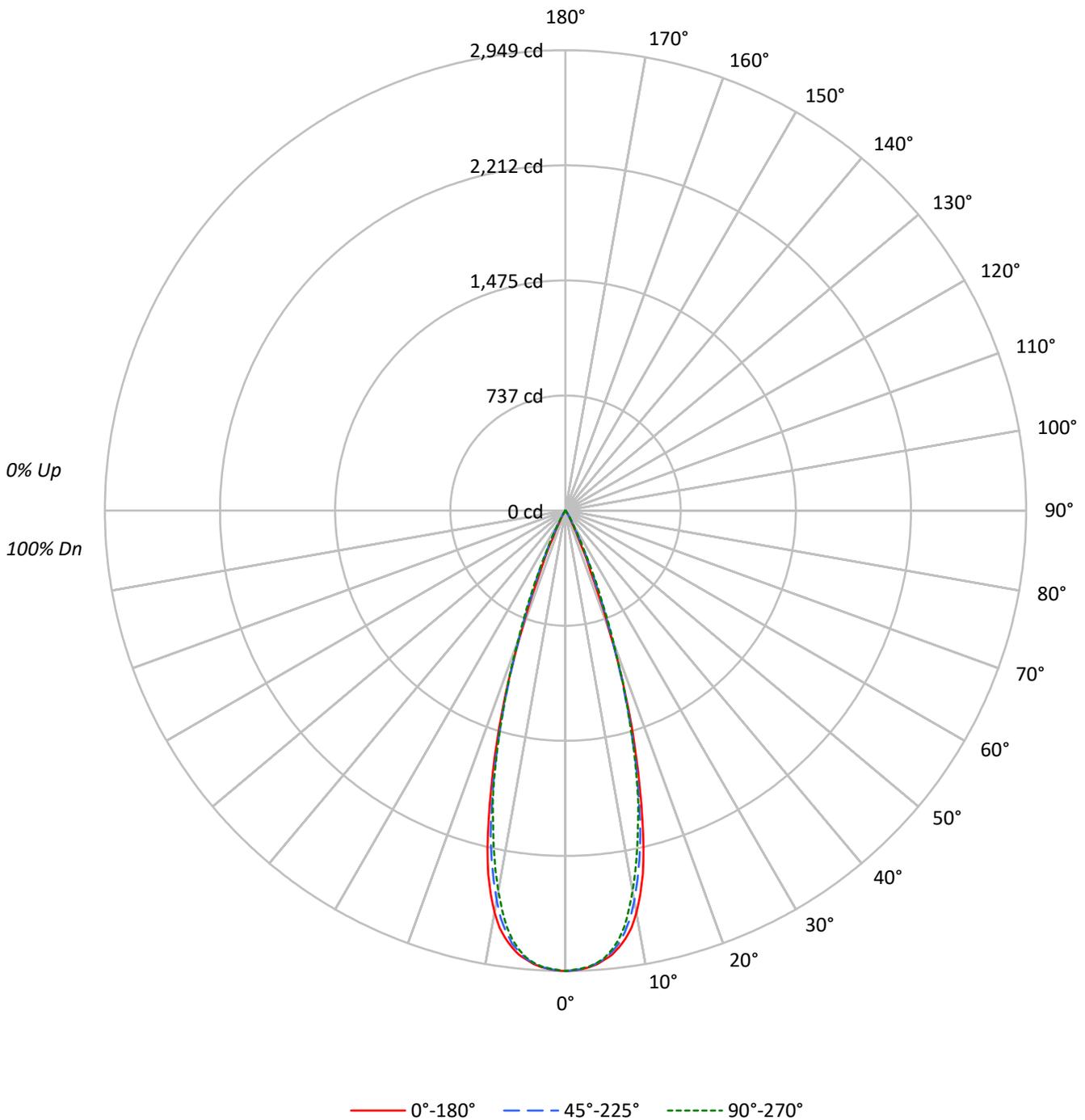
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 895.0 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1296778
CATALOG NUMBER: P3A13R35W2N902750DE010 E3PH1MW_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P1296778

CATALOG NUMBER: P3A13R35W2N902750DE010 E3PH1MW_5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	646593	646593	646593
5°	635482	634139	632774
10°	582421	564919	551181
15°	417051	403748	398845
20°	193380	200031	207055
25°	45874	65278	68085
30°	13470	15420	17370
35°	3105	4952	4551
40°	658	1317	887
45°	248	248	248
50°	273	0	273
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 288 cd/sqm



TEST NUMBER: P1296778

CATALOG NUMBER: P3A13R35W2N902750DE010 E3PH1MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.7	29.6
10°-20°	473.3	52.9
20°-30°	142.4	15.9
30°-40°	13.6	1.5
40°-50°	0.9	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	880.4	98.4
0°-40°	894.0	99.9
0°-60°	895.0	100.0
0°-90°	895.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	895.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2949	2949	2949	2949	2949	
5°	2887	2886	2881	2877	2875	268
15°	1837	1823	1778	1771	1757	485
25°	190	209	270	281	281	122
35°	12	15	18	20	17	11
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1296778

CATALOG NUMBER: P3A13R35W2N902750DE010 E3PH1MW_5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2948.7	2948.7	2948.7	2948.7	2948.7
1°	2947.2	2947.2	2945.6	2945.6	2942.5
2°	2940.2	2941.0	2937.9	2937.2	2934.8
3°	2929.4	2927.1	2927.1	2925.6	2924.0
4°	2912.5	2907.9	2906.3	2907.1	2904.0
5°	2887.0	2886.3	2880.9	2877.0	2874.7
6°	2859.3	2853.9	2842.3	2832.3	2830.0
7°	2817.7	2806.1	2796.1	2775.3	2772.2
8°	2766.8	2748.3	2726.7	2697.4	2695.9
9°	2704.3	2674.3	2644.2	2604.9	2591.0
10°	2615.7	2587.9	2537.1	2502.4	2475.4
11°	2505.4	2470.8	2411.4	2369.8	2347.4
12°	2380.6	2348.2	2278.8	2241.0	2209.4
13°	2220.2	2193.2	2128.5	2086.8	2062.2
14°	2034.4	2014.4	1952.7	1934.2	1925.7
15°	1837.1	1823.2	1778.5	1770.8	1756.9
17.5°	1352.2	1329.0	1303.6	1308.2	1312.9
20°	828.7	861.1	857.2	874.2	887.3
22.5°	413.2	454.8	503.4	532.7	547.3
25°	189.6	208.9	269.8	281.4	281.4
27.5°	95.6	100.2	127.2	129.5	135.7
30°	53.2	57.0	60.9	67.8	68.6
32.5°	27.0	31.6	33.1	37.0	35.5
35°	11.6	15.4	18.5	20.0	17.0
37.5°	5.4	6.9	10.0	9.3	6.9
40°	2.3	3.1	4.6	3.9	3.1
42.5°	1.5	1.5	2.3	1.5	1.5
45°	0.8	0.8	0.8	0.8	0.8
47.5°	0.8	0.8	0.0	0.8	0.8
50°	0.8	0.0	0.0	0.0	0.8
52.5°	0.8	0.0	0.0	0.0	0.8
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1296778
CATALOG NUMBER: P3A13R35W2N902750DE010 E3PH1MW_5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)