

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: P1296774

Luminaire Tested: P3A13R35W2N902750DE010 E3PH1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1296774
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,
E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

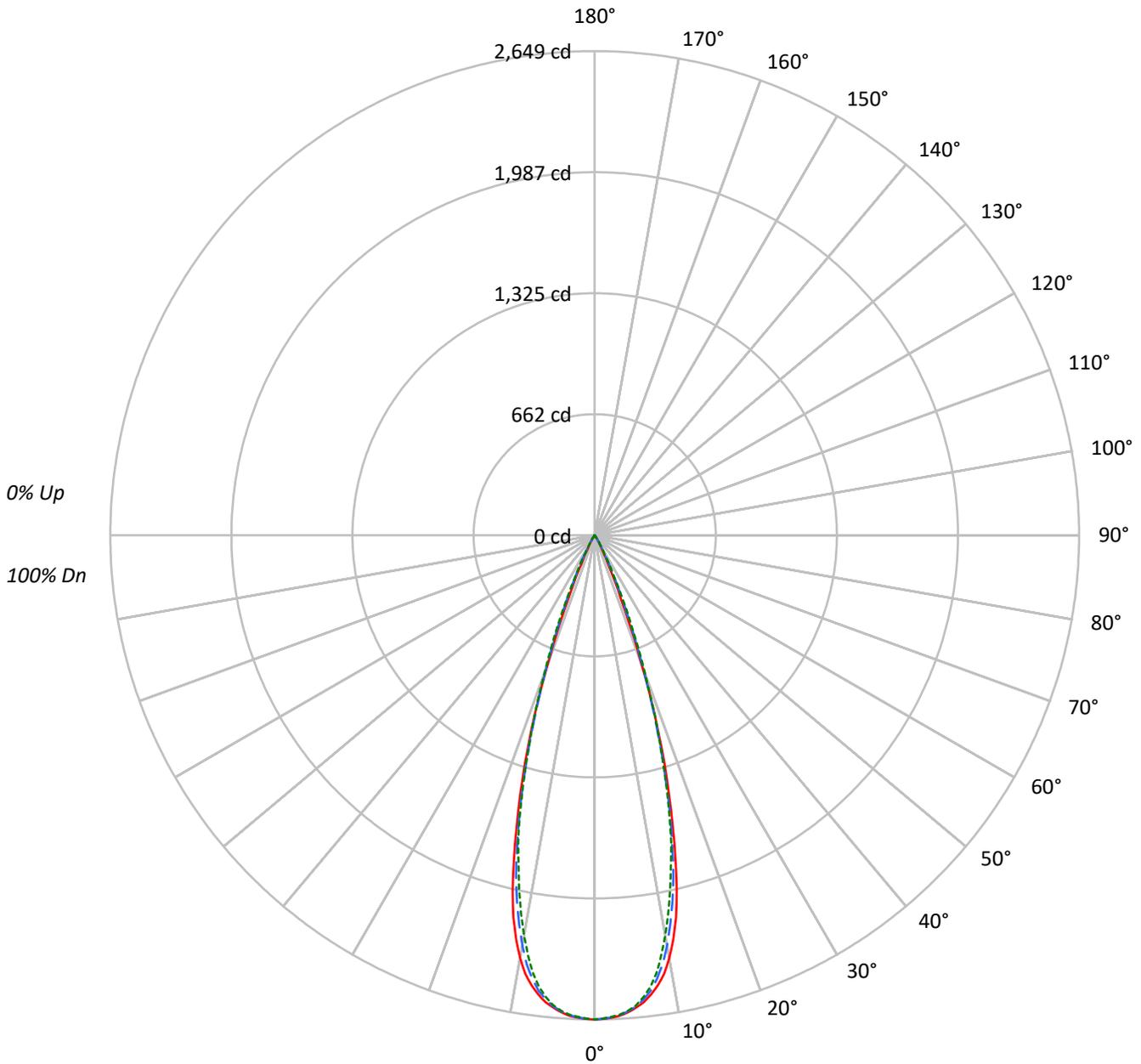
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 804.0 lumens
Efficiency: N/A
Efficacy: 65.4 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

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



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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°	580853	580853	580853
5°	570877	569666	568433
10°	523192	507472	495137
15°	374645	362704	358299
20°	173732	179706	186006
25°	41228	58649	61165
30°	12103	13850	15597
35°	2784	4444	4069
40°	601	1202	802
45°	217	217	217
50°	239	0	239
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: 252 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.8	29.6
10°-20°	425.2	52.9
20°-30°	127.9	15.9
30°-40°	12.2	1.5
40°-50°	0.8	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°	790.9	98.4
0°-40°	803.1	99.9
0°-60°	804.0	100.0
0°-90°	804.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	804.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2649	2649	2649	2649	2649	
5°	2594	2593	2588	2584	2582	240
15°	1650	1638	1598	1591	1578	436
25°	170	188	242	253	253	110
35°	10	14	17	18	15	10
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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2648.9	2648.9	2648.9	2648.9	2648.9
1°	2647.5	2647.5	2646.1	2646.1	2643.4
2°	2641.3	2642.0	2639.2	2638.5	2636.4
3°	2631.6	2629.5	2629.5	2628.1	2626.7
4°	2616.4	2612.2	2610.8	2611.5	2608.7
5°	2593.5	2592.8	2588.0	2584.5	2582.4
6°	2568.6	2563.7	2553.3	2544.3	2542.3
7°	2531.2	2520.8	2511.8	2493.1	2490.3
8°	2485.5	2468.8	2449.5	2423.1	2421.8
9°	2429.4	2402.4	2375.4	2340.0	2327.6
10°	2349.7	2324.8	2279.1	2247.9	2223.7
11°	2250.7	2219.5	2166.2	2128.8	2108.7
12°	2138.5	2109.4	2047.1	2013.2	1984.8
13°	1994.5	1970.2	1912.1	1874.7	1852.5
14°	1827.6	1809.6	1754.2	1737.5	1729.9
15°	1650.3	1637.8	1597.7	1590.7	1578.3
17.5°	1214.7	1193.9	1171.1	1175.2	1179.4
20°	744.5	773.5	770.1	785.3	797.1
22.5°	371.2	408.6	452.2	478.5	491.7
25°	170.4	187.7	242.4	252.8	252.8
27.5°	85.9	90.0	114.3	116.3	121.9
30°	47.8	51.2	54.7	60.9	61.6
32.5°	24.2	28.4	29.8	33.2	31.9
35°	10.4	13.9	16.6	18.0	15.2
37.5°	4.8	6.2	9.0	8.3	6.2
40°	2.1	2.8	4.2	3.5	2.8
42.5°	1.4	1.4	2.1	1.4	1.4
45°	0.7	0.7	0.7	0.7	0.7
47.5°	0.7	0.7	0.0	0.7	0.7
50°	0.7	0.0	0.0	0.0	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
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



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)