

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: P1274064

Luminaire Tested: P3A13R359830DE010 E3PH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274064
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: P3A13R359830DE010 E3PH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

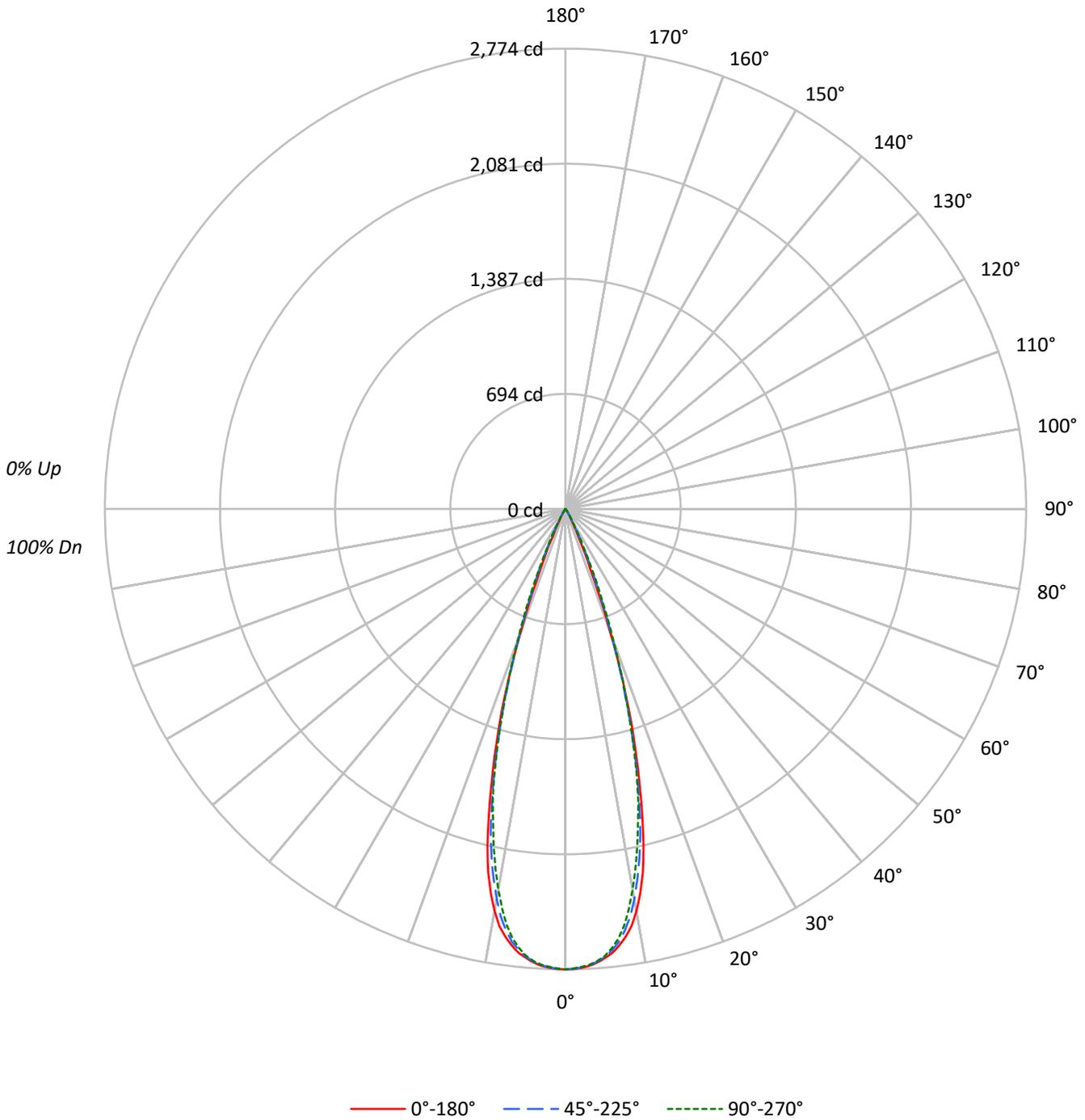
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 842.0 lumens
Efficiency: N/A
Efficacy: 58.1 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): 14.5
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





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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93	92	91
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90	89	87
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87	85	82
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	83	82
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	81	80
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80	78	77
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	76	75	74
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75	74	73
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	608307	608307	608307
5°	597863	596587	595310
10°	547930	531453	518539
15°	392352	379843	375235
20°	181922	188200	194804
25°	43164	61407	64044
30°	12660	14509	16332
35°	2918	4658	4283
40°	630	1260	830
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°	249.1	29.6
10°-20°	445.2	52.9
20°-30°	134.0	15.9
30°-40°	12.8	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°	828.2	98.4
0°-40°	841.1	99.9
0°-60°	842.0	100.0
0°-90°	842.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	842.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2774	2774	2774	2774	2774	
5°	2716	2715	2710	2707	2704	252
15°	1728	1715	1673	1666	1653	456
25°	178	196	254	265	265	115
35°	11	14	17	19	16	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°	2774.1	2774.1	2774.1	2774.1	2774.1
1°	2772.6	2772.6	2771.2	2771.2	2768.3
2°	2766.1	2766.8	2763.9	2763.2	2761.0
3°	2756.0	2753.8	2753.8	2752.3	2750.9
4°	2740.0	2735.7	2734.2	2734.9	2732.0
5°	2716.1	2715.4	2710.3	2706.6	2704.5
6°	2690.0	2684.9	2674.0	2664.6	2662.4
7°	2650.8	2639.9	2630.5	2610.9	2608.0
8°	2602.9	2585.5	2565.2	2537.7	2536.2
9°	2544.2	2515.9	2487.6	2450.6	2437.6
10°	2460.8	2434.7	2386.8	2354.2	2328.8
11°	2357.1	2324.4	2268.6	2229.4	2208.4
12°	2239.6	2209.1	2143.9	2108.3	2078.6
13°	2088.7	2063.3	2002.4	1963.3	1940.1
14°	1913.9	1895.1	1837.1	1819.7	1811.7
15°	1728.3	1715.2	1673.2	1665.9	1652.9
17.5°	1272.1	1250.3	1226.4	1230.8	1235.1
20°	779.6	810.1	806.5	822.4	834.8
22.5°	388.7	427.9	473.6	501.2	514.9
25°	178.4	196.5	253.8	264.7	264.7
27.5°	89.9	94.3	119.7	121.8	127.6
30°	50.0	53.7	57.3	63.8	64.5
32.5°	25.4	29.7	31.2	34.8	33.4
35°	10.9	14.5	17.4	18.9	16.0
37.5°	5.1	6.5	9.4	8.7	6.5
40°	2.2	2.9	4.4	3.6	2.9
42.5°	1.5	1.5	2.2	1.5	1.5
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)