

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: P1246524

Luminaire Tested: P3AS09R359024DE010 E3PH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246524
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: P3AS09R359024DE010 E3PH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

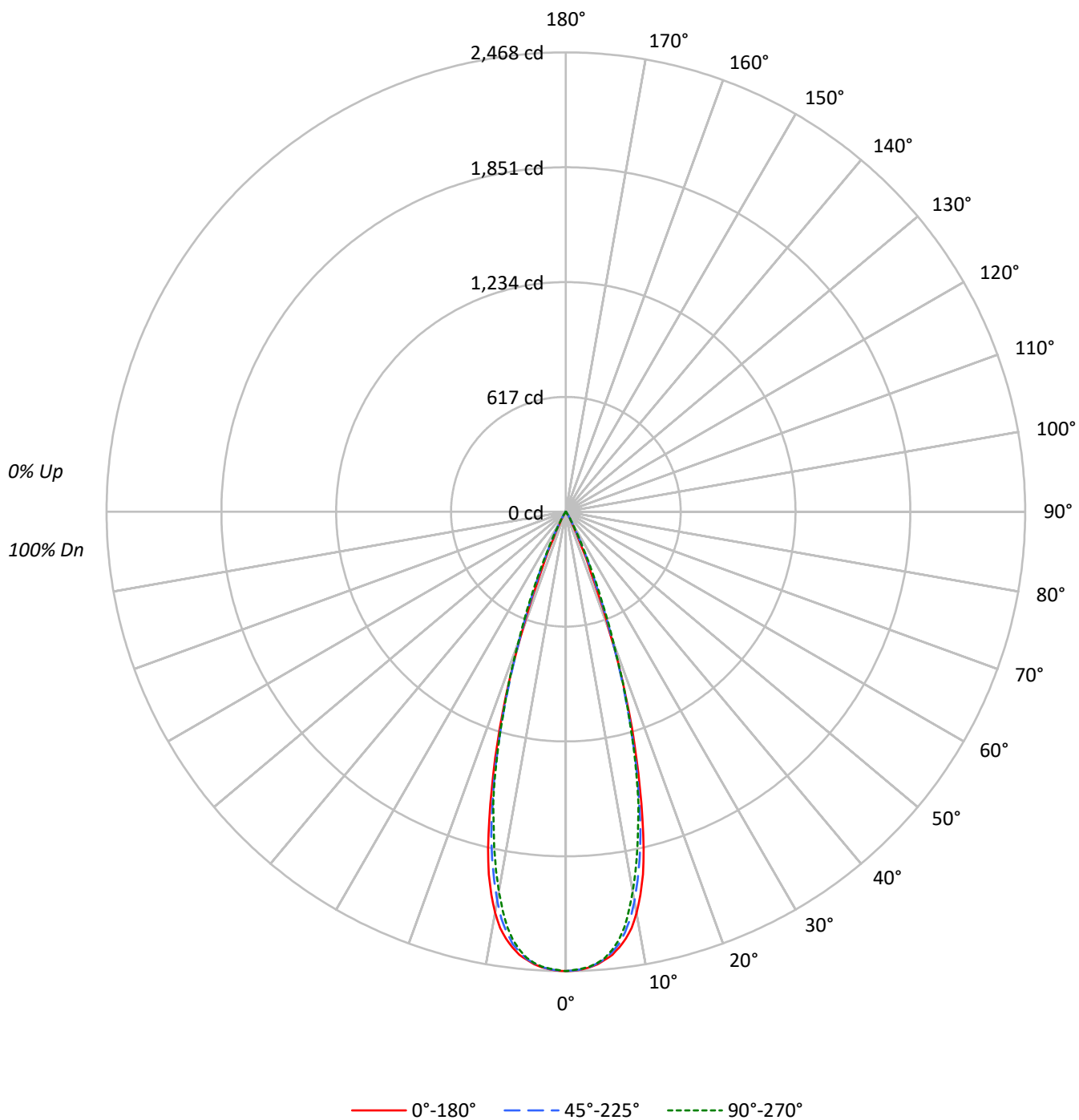
Lumens per Lamp: N/A
Luminaire Lumens: 749.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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
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	83
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	82	80
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	79	77
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	78	76	75
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77	74	73
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75	72	70
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73	70	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	541119	541119	541119
5°	531828	530683	529561
10°	487410	472759	461270
15°	349014	337891	333782
20°	161831	167408	173288
25°	38397	54632	56979
30°	11268	12913	14534
35°	2597	4149	3801
40°	544	1116	744
45°	186	186	186
50°	205	0	205
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: 216 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.5	29.6
10°-20°	396.1	52.9
20°-30°	119.2	15.9
30°-40°	11.4	1.5
40°-50°	0.8	0.1
50°-60°	0.0	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°	736.8	98.4
0°-40°	748.2	99.9
0°-60°	749.0	100.0
0°-90°	749.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	749.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2468	2468	2468	2468	2468	
5°	2416	2415	2411	2408	2406	224
15°	1537	1526	1488	1482	1470	406
25°	159	175	226	236	236	102
35°	10	13	16	17	14	9
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2467.7	2467.7	2467.7	2467.7	2467.7
1°	2466.4	2466.4	2465.1	2465.1	2462.5
2°	2460.6	2461.2	2458.7	2458.0	2456.1
3°	2451.6	2449.6	2449.6	2448.3	2447.1
4°	2437.4	2433.5	2432.2	2432.9	2430.3
5°	2416.1	2415.4	2410.9	2407.7	2405.8
6°	2392.9	2388.3	2378.7	2370.3	2368.3
7°	2358.0	2348.3	2340.0	2322.5	2320.0
8°	2315.4	2300.0	2281.9	2257.4	2256.1
9°	2263.2	2238.0	2212.9	2180.0	2168.3
10°	2189.0	2165.8	2123.2	2094.2	2071.6
11°	2096.7	2067.7	2018.0	1983.2	1964.5
12°	1992.2	1965.1	1907.1	1875.4	1849.0
13°	1858.0	1835.4	1781.3	1746.4	1725.8
14°	1702.5	1685.8	1634.2	1618.7	1611.6
15°	1537.4	1525.8	1488.4	1481.9	1470.3
17.5°	1131.6	1112.2	1090.9	1094.8	1098.7
20°	693.5	720.6	717.4	731.6	742.6
22.5°	345.8	380.6	421.3	445.8	458.1
25°	158.7	174.8	225.8	235.5	235.5
27.5°	80.0	83.9	106.4	108.4	113.5
30°	44.5	47.7	51.0	56.8	57.4
32.5°	22.6	26.5	27.7	31.0	29.7
35°	9.7	12.9	15.5	16.8	14.2
37.5°	4.5	5.8	8.4	7.7	5.8
40°	1.9	2.6	3.9	3.2	2.6
42.5°	1.3	1.3	1.9	1.3	1.3
45°	0.6	0.6	0.6	0.6	0.6
47.5°	0.6	0.6	0.0	0.6	0.6
50°	0.6	0.0	0.0	0.0	0.6
52.5°	0.6	0.0	0.0	0.0	0.6
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)