

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: P1248109

Luminaire Tested: P3AS02R359027DE010 E3PH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248109
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: P3AS02R359027DE010 E3PH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

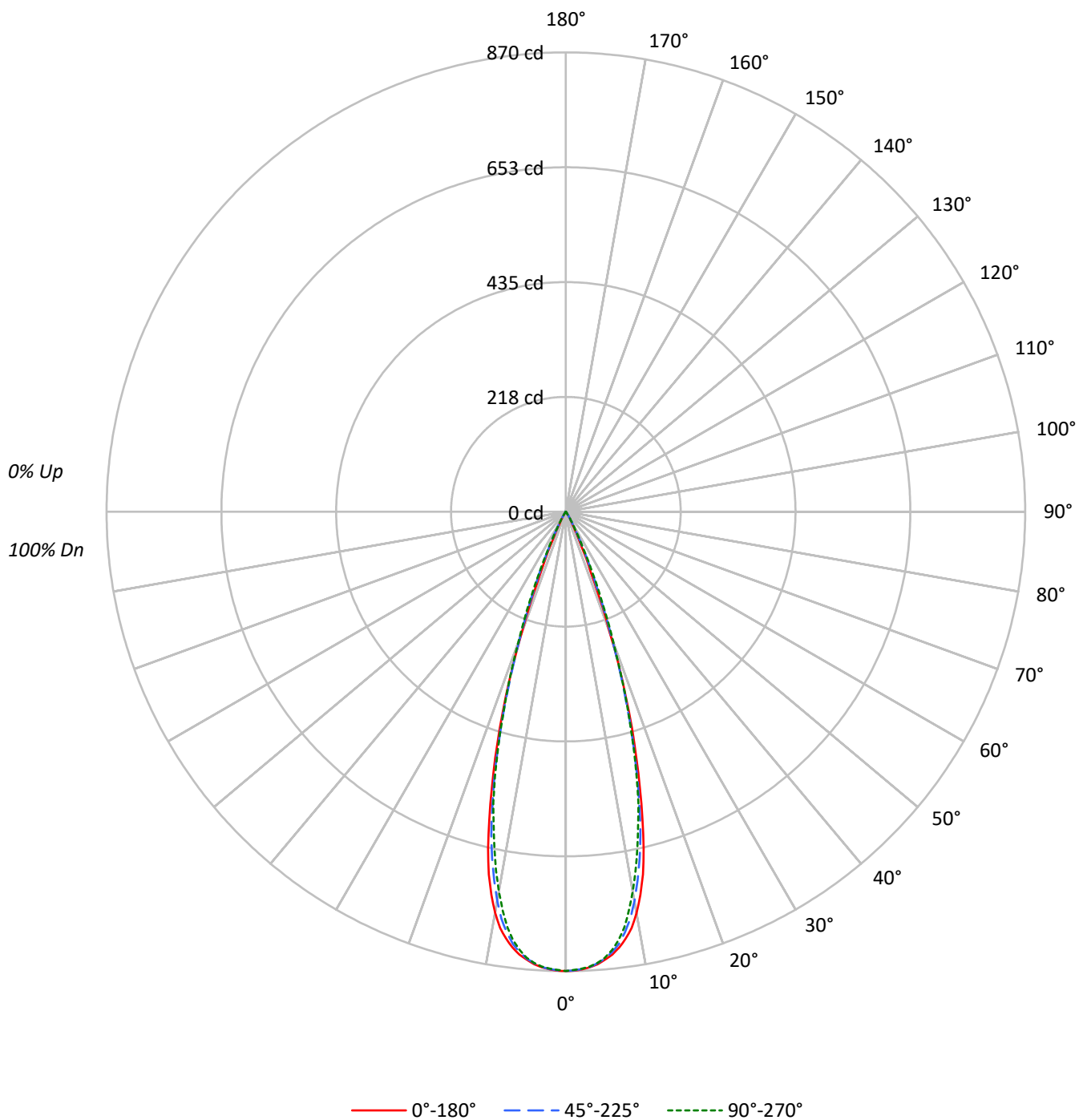
Lumens per Lamp: N/A
Luminaire Lumens: 264.0 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	86	85
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	84	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	73
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°	190730	190730	190730
5°	187453	187057	186660
10°	171807	166641	162589
15°	123020	119093	117640
20°	57055	59015	61069
25°	13525	19259	20082
30°	3975	4558	5115
35°	910	1472	1338
40°	200	401	258
45°	62	62	62
50°	68	0	68
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: 72 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.1	29.6
10°-20°	139.6	52.9
20°-30°	42.0	15.9
30°-40°	4.0	1.5
40°-50°	0.3	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°	259.7	98.4
0°-40°	263.7	99.9
0°-60°	264.0	100.0
0°-90°	264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	264.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	870	870	870	870	870	
5°	852	851	850	849	848	79
15°	542	538	525	522	518	143
25°	56	62	80	83	83	36
35°	3	4	6	6	5	3
45°	0	0	0	0	0	0
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°	869.8	869.8	869.8	869.8	869.8
1°	869.3	869.3	868.9	868.9	868.0
2°	867.3	867.5	866.6	866.4	865.7
3°	864.1	863.4	863.4	863.0	862.5
4°	859.1	857.7	857.3	857.5	856.6
5°	851.6	851.4	849.8	848.6	848.0
6°	843.4	841.8	838.4	835.5	834.8
7°	831.1	827.7	824.8	818.6	817.7
8°	816.1	810.7	804.3	795.7	795.2
9°	797.7	788.8	780.0	768.4	764.3
10°	771.6	763.4	748.4	738.1	730.2
11°	739.0	728.8	711.3	699.0	692.4
12°	702.2	692.6	672.2	661.0	651.7
13°	654.9	646.9	627.8	615.6	608.3
14°	600.1	594.2	576.0	570.5	568.0
15°	541.9	537.8	524.6	522.3	518.2
17.5°	398.9	392.0	384.5	385.9	387.3
20°	244.5	254.0	252.9	257.9	261.7
22.5°	121.9	134.2	148.5	157.1	161.5
25°	55.9	61.6	79.6	83.0	83.0
27.5°	28.2	29.6	37.5	38.2	40.0
30°	15.7	16.8	18.0	20.0	20.2
32.5°	8.0	9.3	9.8	10.9	10.5
35°	3.4	4.5	5.5	5.9	5.0
37.5°	1.6	2.0	3.0	2.7	2.0
40°	0.7	0.9	1.4	1.1	0.9
42.5°	0.5	0.5	0.7	0.5	0.5
45°	0.2	0.2	0.2	0.2	0.2
47.5°	0.2	0.2	0.0	0.2	0.2
50°	0.2	0.0	0.0	0.0	0.2
52.5°	0.2	0.0	0.0	0.0	0.2
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)