

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: P1309618

Luminaire Tested: P3SQAS24R459035D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309618
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R459035D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

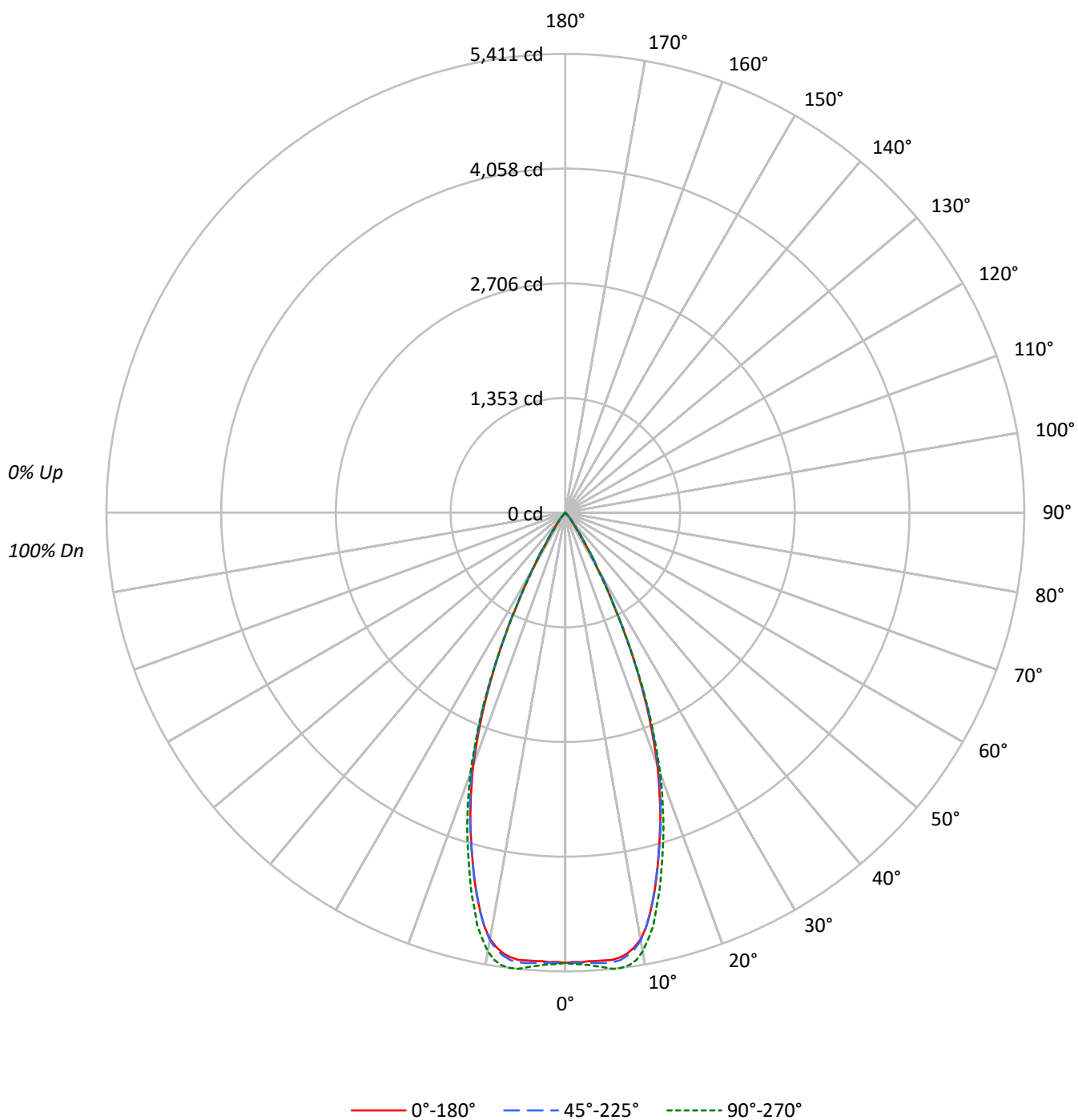
Lumens per Lamp: N/A
Luminaire Lumens: 2746.0 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	914709	914709	914709
5°	916803	922093	931273
10°	893844	895628	919184
15°	754094	754450	779198
20°	582101	590330	600062
25°	361127	361507	363844
30°	148970	158317	146544
35°	46359	56640	44635
40°	14231	19739	13309
45°	999	7453	999
50°	0	1099	0
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: 45°

Vertical Angle: 45°

Luminance: 7453 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.5	18.4
10°-20°	1175.3	42.8
20°-30°	862.2	31.4
30°-40°	185.3	6.7
40°-50°	17.6	0.6
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°	2543.0	92.6
0°-40°	2728.3	99.4
0°-60°	2746.0	100.0
0°-90°	2746.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2746.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5311	5311	5311	5311	5311	
5°	5303	5317	5334	5370	5387	502
15°	4229	4221	4231	4299	4370	1165
25°	1900	1894	1902	1902	1915	852
35°	220	237	269	231	212	174
45°	4	12	31	12	4	10
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°	5311.2	5311.2	5311.2	5311.2	5311.2
1°	5301.0	5313.3	5313.3	5321.4	5325.5
2°	5305.1	5313.3	5311.2	5325.5	5331.7
3°	5299.0	5313.3	5317.4	5333.7	5343.9
4°	5301.0	5313.3	5325.5	5350.0	5364.3
5°	5303.1	5317.4	5333.7	5370.4	5386.8
6°	5305.1	5315.3	5333.7	5380.6	5411.3
7°	5284.7	5299.0	5319.4	5378.6	5411.3
8°	5252.0	5260.2	5276.5	5354.1	5392.9
9°	5190.8	5188.8	5213.3	5299.0	5343.9
10°	5111.2	5086.7	5121.4	5207.1	5256.1
11°	4982.6	4956.1	4986.7	5078.5	5125.5
12°	4815.2	4815.2	4821.4	4903.0	4984.6
13°	4637.6	4617.2	4629.5	4721.3	4778.5
14°	4441.7	4421.3	4433.5	4502.9	4592.7
15°	4229.4	4221.2	4231.4	4298.8	4370.2
17.5°	3725.2	3706.8	3743.6	3810.9	3847.7
20°	3176.1	3206.7	3221.0	3263.9	3274.1
22.5°	2545.4	2578.1	2598.5	2604.6	2610.7
25°	1900.4	1894.2	1902.4	1902.4	1914.7
27.5°	1249.2	1249.2	1271.7	1257.4	1243.1
30°	749.1	779.7	796.1	769.5	736.9
32.5°	408.2	438.9	465.4	426.6	398.0
35°	220.5	236.8	269.4	230.7	212.3
37.5°	120.4	134.7	155.1	130.6	120.4
40°	63.3	77.6	87.8	77.6	59.2
42.5°	20.4	38.8	51.0	38.8	18.4
45°	4.1	12.2	30.6	12.2	4.1
47.5°	0.0	2.0	14.3	2.0	0.0
50°	0.0	0.0	4.1	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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)