

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: P1315806

Luminaire Tested: P3SQAS02R309827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315806
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

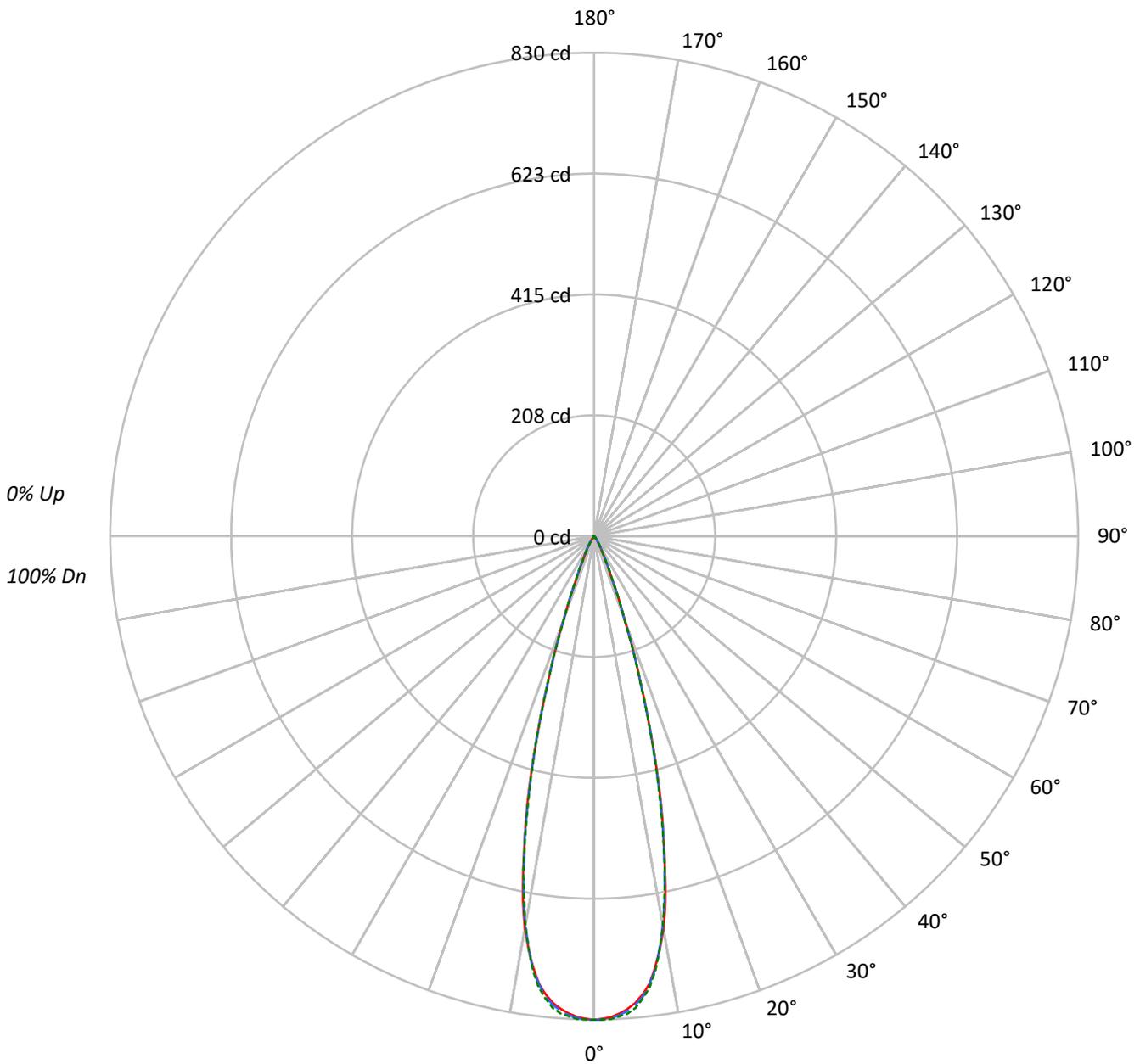
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 216.0 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
Input Voltage (V): NR
Input Current (A_{in}): 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	95	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	93	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	143031	143031	143031
5°	139117	139722	140586
10°	119618	118603	118726
15°	73512	72906	72977
20°	27968	28041	27510
25°	8893	9368	8931
30°	3580	4435	3679
35°	1156	1955	1156
40°	517	854	517
45°	195	365	195
50°	80	188	80
55°	90	90	90
60°	103	103	103
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 365 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.3	33.9
10°-20°	108.7	50.3
20°-30°	27.0	12.5
30°-40°	5.4	2.5
40°-50°	1.0	0.5
50°-60°	0.3	0.1
60°-70°	0.2	0.1
70°-80°	0.2	0.1
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°	208.9	96.7
0°-40°	214.3	99.2
0°-60°	215.6	99.8
0°-90°	216.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	216.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	830	830	830	830	830	
5°	805	807	808	809	813	73
15°	412	413	409	410	409	109
25°	47	48	49	49	47	26
35°	6	7	9	7	6	4
45°	1	1	2	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°	830.5	830.5	830.5	830.5	830.5
1°	828.7	829.7	830.4	830.4	830.4
2°	826.4	827.0	828.0	828.2	829.5
3°	820.9	822.4	824.0	825.0	825.7
4°	814.2	816.2	817.2	819.7	821.9
5°	804.7	807.4	808.2	809.4	813.2
6°	791.9	793.9	795.5	796.0	798.4
7°	774.9	775.9	775.5	776.4	780.5
8°	749.0	749.4	752.2	750.4	753.2
9°	718.4	717.0	716.4	717.7	717.9
10°	684.0	679.5	678.2	677.0	678.9
11°	639.6	633.7	634.2	633.9	631.2
12°	584.2	583.6	579.2	580.1	584.1
13°	527.7	528.9	528.1	529.1	524.6
14°	474.7	469.1	470.6	464.9	467.1
15°	412.3	413.1	408.9	410.3	409.3
17.5°	264.0	265.8	264.5	263.3	265.1
20°	152.6	152.5	153.0	151.5	150.1
22.5°	80.3	81.5	83.0	83.2	84.2
25°	46.8	47.8	49.3	48.7	47.0
27.5°	28.7	30.5	32.8	31.2	29.2
30°	18.0	19.5	22.3	19.7	18.5
32.5°	10.2	12.3	14.7	12.3	10.2
35°	5.5	7.2	9.3	7.0	5.5
37.5°	3.7	4.2	6.2	4.2	3.7
40°	2.3	2.8	3.8	2.8	2.3
42.5°	1.3	1.8	2.2	1.8	1.3
45°	0.8	1.0	1.5	1.2	0.8
47.5°	0.3	0.5	1.0	0.5	0.5
50°	0.3	0.3	0.7	0.3	0.3
52.5°	0.3	0.3	0.3	0.3	0.3
55°	0.3	0.3	0.3	0.3	0.3
57.5°	0.3	0.3	0.3	0.3	0.3
60°	0.3	0.3	0.3	0.3	0.3
62.5°	0.3	0.3	0.3	0.3	0.3
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
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)