

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: P1316536

Luminaire Tested: P3SQAS20R309827D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316536
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: P3SQAS20R309827D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

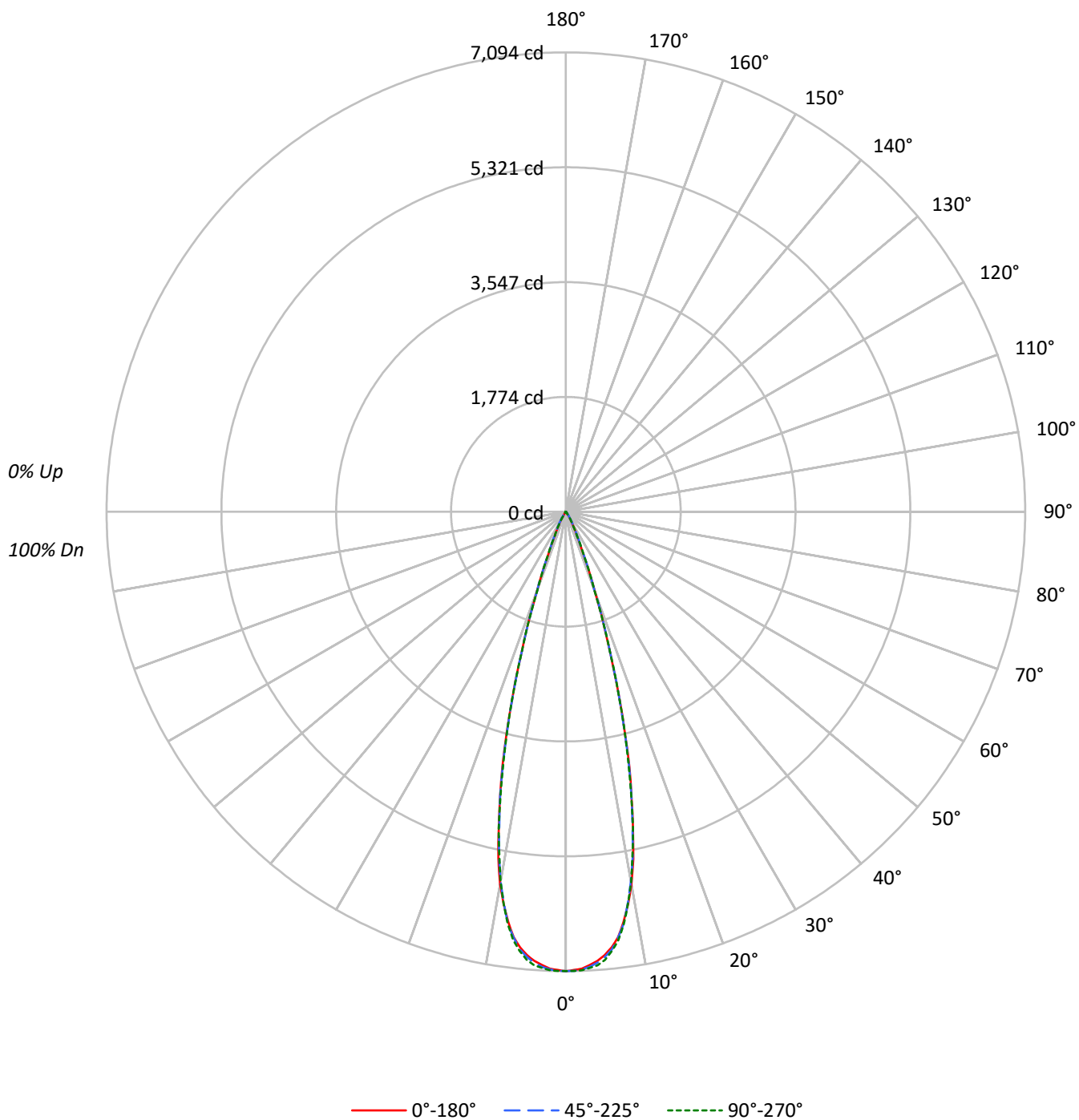
Lumens per Lamp: N/A
Luminaire Lumens: 1844.9 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	104	101	103	101	99	100	99	97	98	96	95	94	93	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	84	83
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83	82	81
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81	80	79
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	77	76
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	75	74
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1221747	1221747	1221747
5°	1188277	1193446	1200828
10°	1021803	1013094	1014073
15°	627859	622777	623294
20°	238955	239468	235033
25°	76011	80058	76277
30°	30566	37924	31421
35°	9882	16757	9882
40°	4474	7352	4474
45°	1729	3118	1729
50°	750	1527	750
55°	841	841	841
60°	964	964	964
65°	571	571	571
70°	705	705	705
75°	932	932	932
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3118 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	625.8	33.9
10°-20°	928.3	50.3
20°-30°	230.6	12.5
30°-40°	46.0	2.5
40°-50°	8.4	0.5
50°-60°	2.6	0.1
60°-70°	1.9	0.1
70°-80°	1.3	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°	1784.7	96.7
0°-40°	1830.7	99.2
0°-60°	1841.7	99.8
0°-90°	1844.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1844.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7094	7094	7094	7094	7094	
5°	6873	6896	6903	6913	6946	625
15°	3521	3528	3493	3504	3496	932
25°	400	408	421	416	401	224
35°	47	61	80	60	47	38
45°	7	8	13	10	7	6
55°	3	3	3	3	3	3
65°	1	1	1	1	1	2
75°	1	1	1	1	1	1
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°	7094.0	7094.0	7094.0	7094.0	7094.0
1°	7078.3	7086.9	7092.6	7092.6	7092.6
2°	7058.4	7064.1	7072.6	7074.1	7085.5
3°	7011.4	7024.3	7038.5	7047.0	7052.7
4°	6954.5	6971.6	6980.1	7001.5	7020.0
5°	6873.4	6896.2	6903.3	6913.2	6946.0
6°	6763.8	6780.9	6795.1	6799.4	6819.3
7°	6618.6	6627.1	6624.3	6631.4	6667.0
8°	6398.0	6400.8	6425.0	6409.4	6433.6
9°	6136.1	6124.7	6119.0	6130.4	6131.8
10°	5842.9	5804.4	5793.1	5783.1	5798.7
11°	5462.8	5413.0	5417.3	5414.4	5391.7
12°	4990.3	4984.6	4947.6	4954.7	4988.9
13°	4507.8	4517.7	4510.6	4519.2	4480.7
14°	4055.1	4006.7	4019.6	3971.2	3989.7
15°	3521.4	3528.5	3492.9	3504.3	3495.8
17.5°	2254.6	2270.3	2258.9	2248.9	2264.6
20°	1303.8	1302.4	1306.6	1293.8	1282.4
22.5°	686.1	696.0	708.8	710.3	718.8
25°	400.0	408.5	421.3	415.6	401.4
27.5°	244.8	260.5	280.4	266.2	249.1
30°	153.7	166.5	190.7	168.0	158.0
32.5°	86.8	105.3	125.3	105.3	86.8
35°	47.0	61.2	79.7	59.8	47.0
37.5°	31.3	35.6	52.7	35.6	31.3
40°	19.9	24.2	32.7	24.2	19.9
42.5°	11.4	15.7	18.5	15.7	11.4
45°	7.1	8.5	12.8	10.0	7.1
47.5°	2.8	4.3	8.5	4.3	4.3
50°	2.8	2.8	5.7	2.8	2.8
52.5°	2.8	2.8	2.8	2.8	2.8
55°	2.8	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	2.8	2.8	2.8
60°	2.8	2.8	2.8	2.8	2.8
62.5°	2.8	2.8	2.8	2.8	2.8
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4
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)