

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: P1315804

Luminaire Tested: P3SQAS02R309827DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309827DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

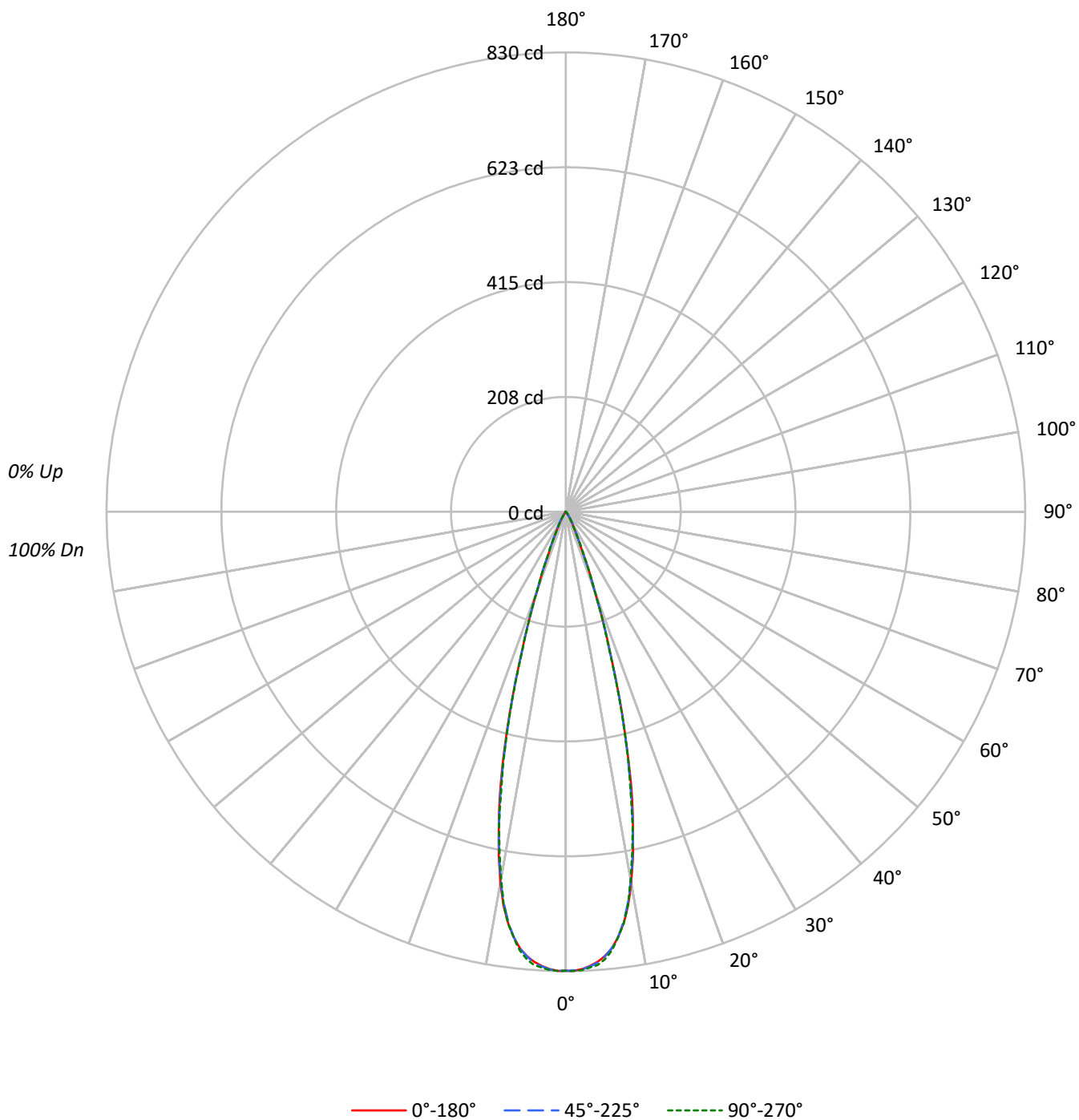
Lumens per Lamp: N/A
Luminaire Lumens: 214.0 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P1315804

CATALOG NUMBER: P3SQAS02R309827DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1315804

CATALOG NUMBER: P3SQAS02R309827DE010 E3SQCD1MB

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	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	142841	142841	142841
5°	139342	139515	140293
10°	119023	118463	117764
15°	73441	72585	72853
20°	27766	27913	27876
25°	8532	9368	8912
30°	3440	4375	3580
35°	1009	1850	1051
40°	405	742	405
45°	73	244	73
50°	0	54	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: 244 cd/sqm

TEST NUMBER: P1315804

CATALOG NUMBER: P3SQAS02R309827DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.1	34.2
10°-20°	108.3	50.6
20°-30°	26.9	12.6
30°-40°	5.0	2.4
40°-50°	0.6	0.3
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°	208.3	97.3
0°-40°	213.4	99.7
0°-60°	214.0	100.0
0°-90°	214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	214.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	829	829	829	829	829	
5°	806	806	807	808	812	73
15°	412	408	407	410	409	109
25°	45	48	49	49	47	26
35°	5	6	9	6	5	4
45°	0	0	1	1	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	

TEST NUMBER: P1315804

CATALOG NUMBER: P3SQAS02R309827DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	829.4	829.4	829.4	829.4	829.4
1°	829.7	829.0	829.0	828.0	829.8
2°	826.7	826.0	827.2	826.4	828.7
3°	822.2	821.4	823.0	823.5	824.7
4°	815.5	814.9	816.7	817.7	820.9
5°	806.0	805.7	807.0	808.4	811.5
6°	793.1	792.6	793.4	795.1	797.1
7°	774.3	773.3	773.9	774.3	774.8
8°	750.5	749.0	748.1	750.0	751.0
9°	719.8	718.2	716.3	715.7	718.0
10°	680.6	678.1	677.4	675.7	673.4
11°	635.0	633.0	632.5	629.5	628.1
12°	582.7	581.7	582.9	581.0	580.4
13°	532.6	526.3	525.4	521.9	520.1
14°	473.3	467.5	467.4	465.5	468.0
15°	411.9	407.9	407.1	410.3	408.6
17.5°	262.6	265.3	264.6	263.0	260.1
20°	151.5	149.6	152.3	153.0	152.1
22.5°	80.7	81.4	81.9	83.9	85.2
25°	44.9	47.9	49.3	49.1	46.9
27.5°	28.0	29.8	32.3	30.6	28.8
30°	17.3	18.8	22.0	19.0	18.0
32.5°	9.3	11.8	14.1	11.8	9.7
35°	4.8	6.3	8.8	6.5	5.0
37.5°	3.2	3.7	5.7	3.7	3.2
40°	1.8	2.3	3.3	2.3	1.8
42.5°	0.8	1.3	1.8	1.3	0.8
45°	0.3	0.5	1.0	0.7	0.3
47.5°	0.0	0.2	0.5	0.2	0.0
50°	0.0	0.0	0.2	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



TEST NUMBER: P1315804

CATALOG NUMBER: P3SQAS02R309827DE010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)