

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: P1309429

Luminaire Tested: P3SQAS20R309035D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309429
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: P3SQAS20R309035D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

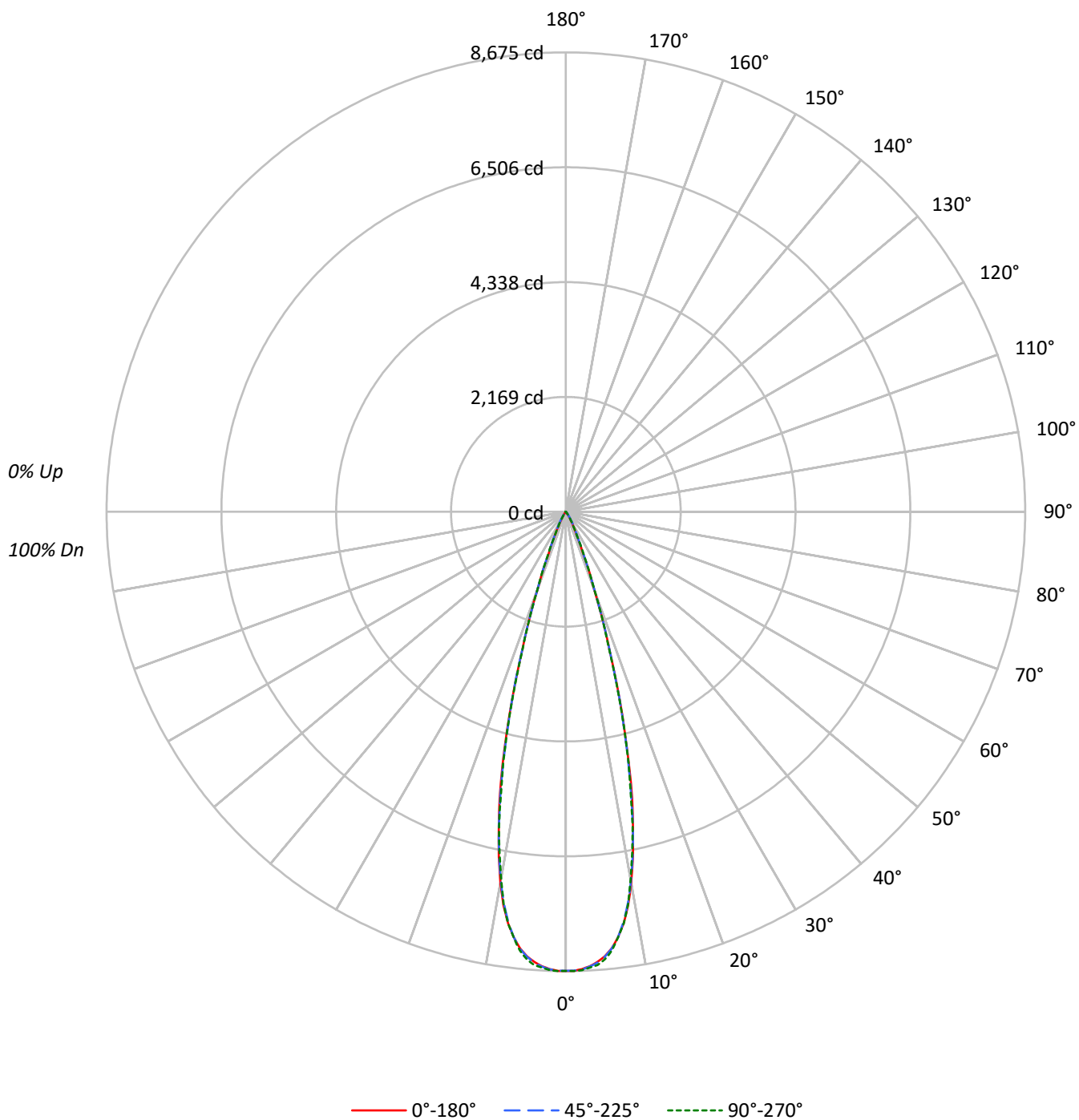
Lumens per Lamp: N/A
Luminaire Lumens: 2237.0 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	1493067	1493067	1493067
5°	1456674	1458472	1466597
10°	1244092	1238321	1231011
15°	767751	758765	761546
20°	290162	291756	291445
25°	89256	97864	93227
30°	35975	45679	37367
35°	10617	19385	10975
40°	4294	7824	4294
45°	852	2533	852
50°	0	455	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: 2533 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	764.6	34.2
10°-20°	1132.1	50.6
20°-30°	280.8	12.6
30°-40°	52.7	2.4
40°-50°	6.6	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°	2177.6	97.3
0°-40°	2230.3	99.7
0°-60°	2237.0	100.0
0°-90°	2237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2237.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8669	8669	8669	8669	8669	
5°	8426	8422	8436	8450	8483	765
15°	4306	4264	4256	4289	4271	1138
25°	470	501	515	513	491	270
35°	50	66	92	68	52	42
45°	4	5	10	7	4	4
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°	8669.4	8669.4	8669.4	8669.4	8669.4
1°	8672.9	8665.9	8665.9	8655.5	8674.6
2°	8641.6	8634.6	8646.8	8638.1	8662.5
3°	8594.6	8585.9	8603.3	8608.5	8620.7
4°	8525.0	8518.1	8537.2	8547.6	8580.7
5°	8425.9	8422.4	8436.3	8450.2	8483.3
6°	8290.1	8284.9	8293.6	8311.0	8331.9
7°	8093.6	8083.1	8090.1	8093.6	8098.8
8°	7844.8	7829.1	7820.4	7839.5	7850.0
9°	7524.6	7507.2	7488.1	7481.1	7505.5
10°	7114.0	7087.9	7081.0	7063.6	7039.2
11°	6637.3	6616.5	6611.2	6579.9	6566.0
12°	6091.0	6080.6	6092.8	6073.6	6066.7
13°	5567.4	5501.2	5492.6	5456.0	5436.9
14°	4948.0	4887.1	4885.4	4866.2	4892.3
15°	4306.0	4264.3	4255.6	4288.6	4271.2
17.5°	2745.4	2773.2	2766.3	2748.9	2719.3
20°	1583.2	1564.1	1591.9	1598.9	1590.2
22.5°	843.8	850.8	856.0	876.9	890.8
25°	469.7	501.1	515.0	513.2	490.6
27.5°	292.3	311.4	337.5	320.1	301.0
30°	180.9	196.6	229.7	198.3	187.9
32.5°	97.4	123.5	147.9	123.5	100.9
35°	50.5	66.1	92.2	67.9	52.2
37.5°	33.1	38.3	59.2	38.3	33.1
40°	19.1	24.4	34.8	24.4	19.1
42.5°	8.7	13.9	19.1	13.9	8.7
45°	3.5	5.2	10.4	7.0	3.5
47.5°	0.0	1.7	5.2	1.7	0.0
50°	0.0	0.0	1.7	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)