

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: P1309446

Luminaire Tested: P3SQAS20R359035D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309446
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359035D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

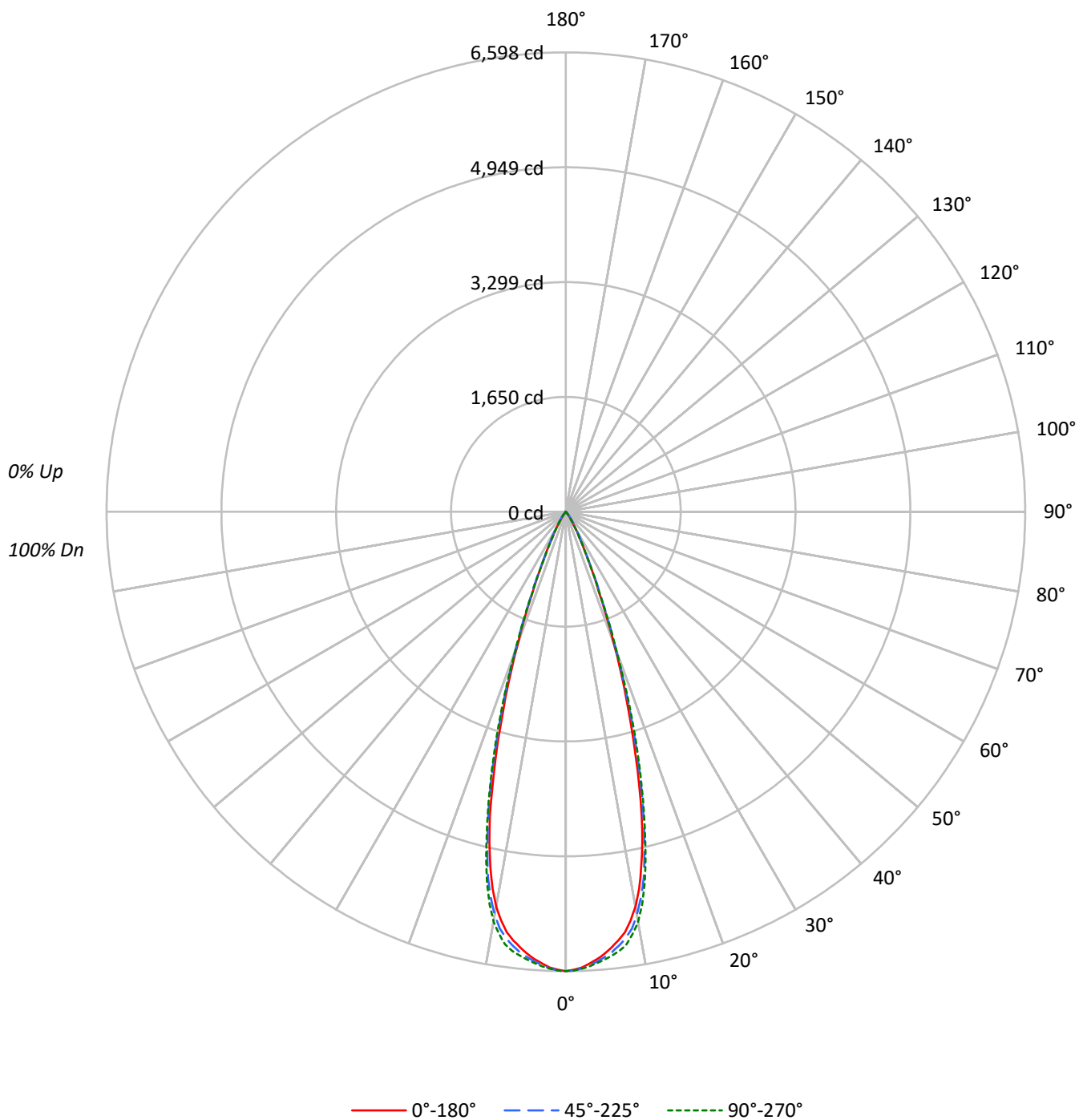
Lumens per Lamp: N/A
Luminaire Lumens: 2197.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	98
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	95	94
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	92	91
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	88	87
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	85	84
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	82	81
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	79	78
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	77	76	75
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	74	73	72
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	71	70	69
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1136411	1136411	1136411
5°	1101958	1109772	1115788
10°	1006973	1028274	1045919
15°	724139	755787	761992
20°	368677	387170	388123
25°	139879	142843	138890
30°	54330	62981	52938
35°	18649	29266	17555
40°	6250	11353	5868
45°	414	3824	414
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: 3824 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	597.3	27.2
10°-20°	1112.9	50.7
20°-30°	400.0	18.2
30°-40°	78.1	3.6
40°-50°	8.7	0.4
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°	2110.2	96.0
0°-40°	2188.3	99.6
0°-60°	2197.0	100.0
0°-90°	2197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2197.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6598	6598	6598	6598	6598	
5°	6374	6392	6419	6449	6454	590
15°	4061	4129	4239	4268	4274	1079
25°	736	743	752	746	731	386
35°	89	101	139	103	84	66
45°	2	5	16	5	2	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°	6598.5	6598.5	6598.5	6598.5	6598.5
1°	6579.4	6588.1	6589.8	6602.0	6588.1
2°	6551.6	6556.8	6563.7	6574.2	6567.2
3°	6497.6	6508.1	6523.7	6537.6	6537.6
4°	6440.2	6454.1	6473.2	6497.6	6495.9
5°	6374.1	6391.5	6419.3	6448.9	6454.1
6°	6290.5	6311.4	6356.7	6398.4	6405.4
7°	6201.8	6233.1	6276.6	6337.5	6353.2
8°	6097.4	6121.7	6184.4	6255.7	6273.1
9°	5944.3	5980.8	6060.8	6127.0	6137.4
10°	5758.1	5784.2	5879.9	5949.5	5980.8
11°	5517.9	5556.2	5650.2	5721.5	5742.4
12°	5211.7	5267.3	5377.0	5429.2	5446.6
13°	4881.0	4928.0	5013.3	5077.7	5091.6
14°	4508.7	4553.9	4642.6	4694.8	4682.7
15°	4061.4	4129.3	4238.9	4268.5	4273.7
17.5°	3000.0	3043.5	3140.9	3187.9	3221.0
20°	2011.6	2053.3	2112.5	2143.8	2117.7
22.5°	1223.3	1258.1	1289.4	1287.7	1279.0
25°	736.1	743.0	751.7	746.5	730.9
27.5°	429.8	449.0	475.1	457.7	431.5
30°	273.2	288.9	316.7	287.1	266.2
32.5°	144.4	182.7	212.3	172.3	151.4
35°	88.7	100.9	139.2	102.7	83.5
37.5°	53.9	62.6	87.0	60.9	48.7
40°	27.8	40.0	50.5	36.5	26.1
42.5°	8.7	19.1	27.8	17.4	8.7
45°	1.7	5.2	15.7	5.2	1.7
47.5°	0.0	0.0	7.0	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)