

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: P1318271

Luminaire Tested: P3SQAS20R259835D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259835D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

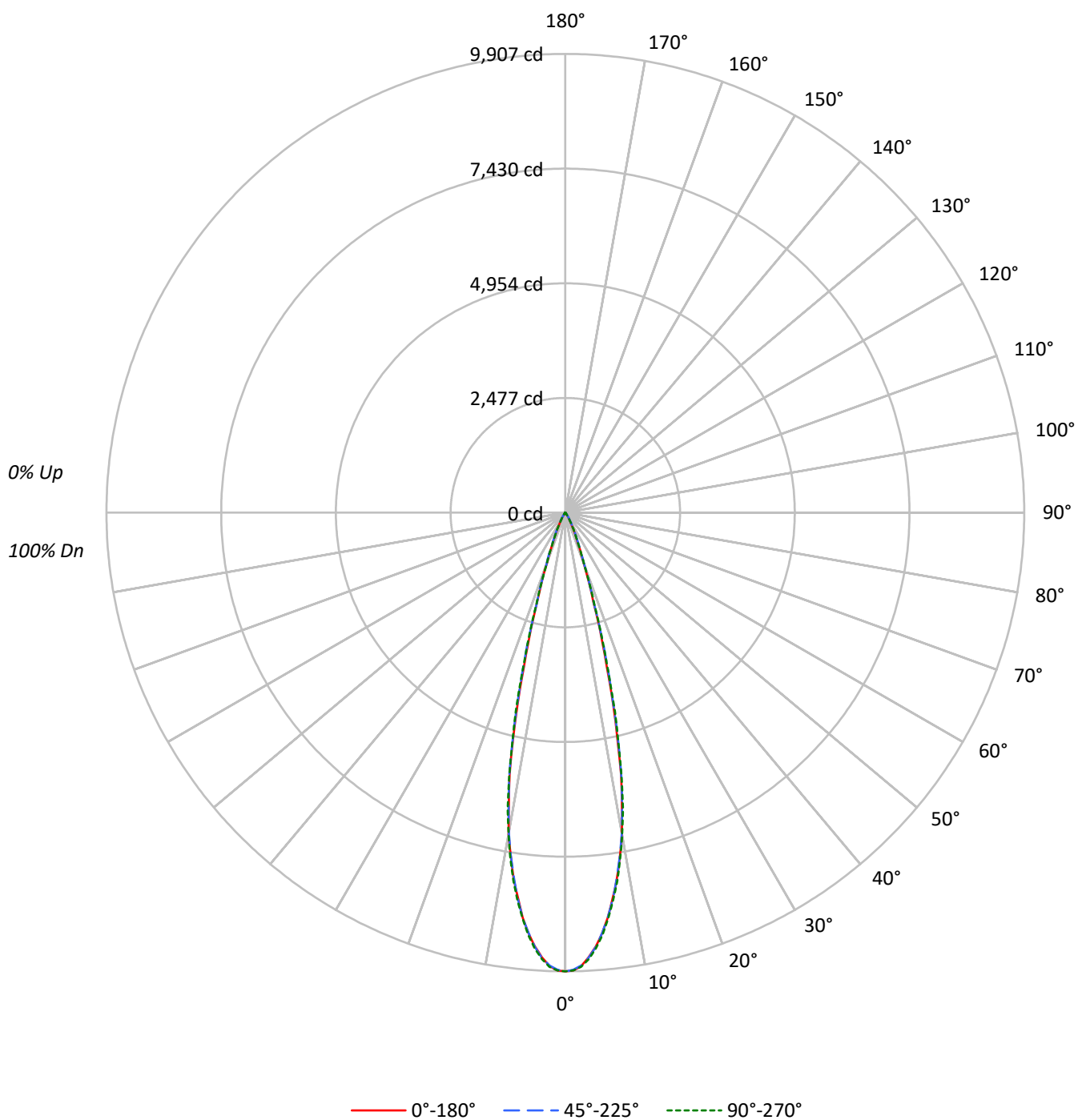
Lumens per Lamp: N/A
Luminaire Lumens: 2093.0 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1706279	1706279	1706279
5°	1576048	1575495	1584312
10°	1231116	1227776	1236135
15°	619354	645225	644654
20°	211921	217768	214267
25°	85170	95773	88799
30°	34563	41225	33628
35°	10050	18102	10050
40°	4654	7891	4654
45°	1559	3118	1559
50°	857	1286	857
55°	961	961	961
60°	1102	1102	1102
65°	652	652	652
70°	806	806	806
75°	1065	1065	1065
80°	0	1587	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°	803.8	38.4
10°-20°	983.8	47.0
20°-30°	240.3	11.5
30°-40°	49.7	2.4
40°-50°	8.7	0.4
50°-60°	2.9	0.1
60°-70°	2.3	0.1
70°-80°	1.5	0.1
80°-90°	0.1	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°	2027.9	96.9
0°-40°	2077.6	99.3
0°-60°	2089.2	99.8
0°-90°	2093.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2093.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9907	9907	9907	9907	9907	
5°	9116	9124	9113	9132	9164	803
15°	3474	3533	3619	3635	3616	970
25°	448	469	504	475	467	229
35°	48	67	86	65	48	41
45°	6	10	13	10	6	6
55°	3	3	3	3	3	3
65°	2	3	2	2	2	2
75°	2	2	2	2	2	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°	9907.4	9907.4	9907.4	9907.4	9907.4
1°	9888.3	9875.5	9872.4	9873.9	9889.9
2°	9799.0	9791.0	9789.4	9794.2	9816.5
3°	9617.2	9626.7	9629.9	9645.9	9657.0
4°	9393.9	9413.0	9405.1	9424.2	9437.0
5°	9116.4	9124.4	9113.2	9132.3	9164.2
6°	8792.6	8763.9	8791.0	8799.0	8821.3
7°	8389.1	8395.5	8405.1	8414.6	8448.1
8°	7992.0	7972.8	7968.1	8012.7	8039.8
9°	7527.9	7531.1	7513.5	7564.6	7572.5
10°	7039.8	7000.0	7020.7	7060.6	7068.5
11°	6395.5	6384.3	6414.6	6476.8	6526.3
12°	5791.0	5797.4	5829.3	5850.0	5838.9
13°	4992.0	5039.8	5079.7	5100.5	5073.3
14°	4269.5	4269.5	4320.6	4328.5	4425.8
15°	3473.7	3532.7	3618.8	3634.7	3615.6
17.5°	2006.4	2014.3	2055.8	2054.2	2084.5
20°	1156.3	1167.5	1188.2	1183.4	1169.1
22.5°	695.4	719.3	768.7	728.9	717.7
25°	448.2	468.9	504.0	475.3	467.3
27.5°	280.7	295.1	322.2	296.6	283.9
30°	173.8	181.8	207.3	183.4	169.1
32.5°	94.1	114.8	135.6	114.8	94.1
35°	47.8	67.0	86.1	65.4	47.8
37.5°	31.9	38.3	55.8	36.7	31.9
40°	20.7	25.5	35.1	25.5	20.7
42.5°	11.2	15.9	19.1	17.5	11.2
45°	6.4	9.6	12.8	9.6	6.4
47.5°	4.8	4.8	8.0	4.8	3.2
50°	3.2	3.2	4.8	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	3.2
60°	3.2	3.2	3.2	3.2	3.2
62.5°	3.2	3.2	3.2	3.2	3.2
65°	1.6	3.2	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
80°	0.0	0.0	1.6	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)