

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: P1318288

Luminaire Tested: P3SQAS20R309835D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318288
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: P3SQAS20R309835D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

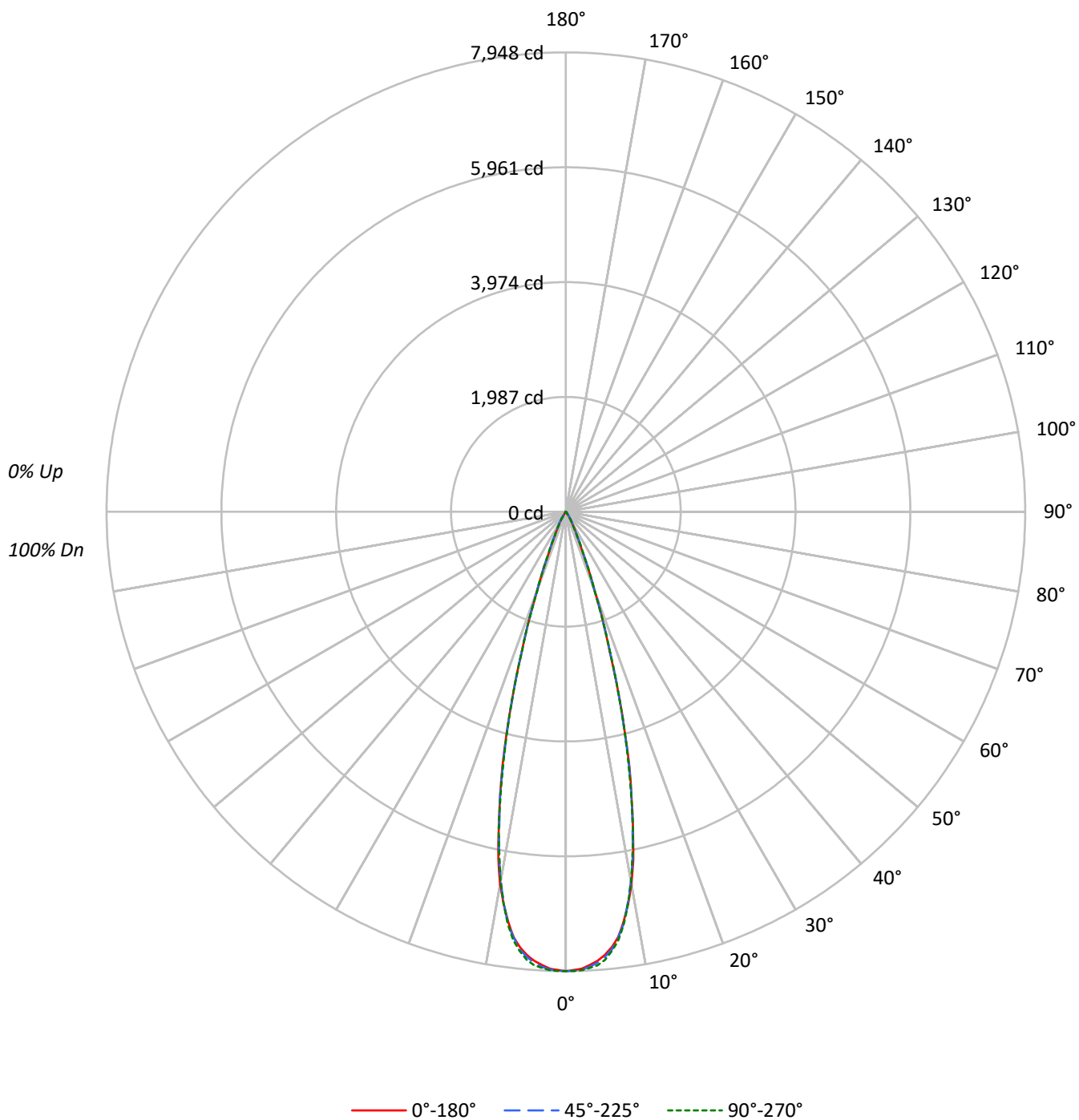
Lumens per Lamp: N/A
Luminaire Lumens: 2067.0 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	93	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°	1368757	1368757	1368757
5°	1331249	1337041	1345304
10°	1144743	1134985	1136104
15°	703403	697716	698286
20°	267711	268297	263330
25°	85151	89693	85455
30°	34245	42498	35199
35°	11059	18775	11059
40°	5014	8251	5014
45°	1948	3507	1948
50°	857	1715	857
55°	961	961	961
60°	1102	1102	1102
65°	652	652	652
70°	806	806	806
75°	1065	1065	1065
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3507 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	701.1	33.9
10°-20°	1040.0	50.3
20°-30°	258.4	12.5
30°-40°	51.6	2.5
40°-50°	9.4	0.5
50°-60°	3.0	0.1
60°-70°	2.2	0.1
70°-80°	1.5	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°	1999.4	96.7
0°-40°	2051.0	99.2
0°-60°	2063.4	99.8
0°-90°	2067.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2067.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7948	7948	7948	7948	7948	
5°	7700	7726	7734	7745	7782	700
15°	3945	3953	3913	3926	3916	1044
25°	448	458	472	466	450	251
35°	53	69	89	67	53	43
45°	8	10	14	11	8	7
55°	3	3	3	3	3	3
65°	2	2	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°	7947.6	7947.6	7947.6	7947.6	7947.6
1°	7930.0	7939.6	7946.0	7946.0	7946.0
2°	7907.7	7914.1	7923.7	7925.3	7938.0
3°	7855.1	7869.4	7885.4	7895.0	7901.3
4°	7791.3	7810.4	7820.0	7843.9	7864.7
5°	7700.4	7725.9	7733.9	7745.1	7781.7
6°	7577.6	7596.8	7612.7	7617.5	7639.8
7°	7415.0	7424.6	7421.4	7429.3	7469.2
8°	7167.8	7171.0	7198.1	7180.6	7207.7
9°	6874.4	6861.7	6855.3	6868.0	6869.6
10°	6545.9	6502.9	6490.1	6478.9	6496.5
11°	6120.2	6064.3	6069.1	6065.9	6040.4
12°	5590.7	5584.4	5542.9	5550.9	5589.1
13°	5050.2	5061.3	5053.4	5062.9	5019.9
14°	4543.1	4488.9	4503.2	4449.0	4469.7
15°	3945.1	3953.1	3913.2	3926.0	3916.4
17.5°	2525.9	2543.4	2530.7	2519.5	2537.0
20°	1460.7	1459.1	1463.9	1449.5	1436.8
22.5°	768.6	779.8	794.1	795.7	805.3
25°	448.1	457.7	472.0	465.6	449.7
27.5°	274.3	291.8	314.1	298.2	279.1
30°	172.2	186.6	213.7	188.2	177.0
32.5°	97.3	118.0	140.3	118.0	97.3
35°	52.6	68.6	89.3	67.0	52.6
37.5°	35.1	39.9	59.0	39.9	35.1
40°	22.3	27.1	36.7	27.1	22.3
42.5°	12.8	17.5	20.7	17.5	12.8
45°	8.0	9.6	14.4	11.2	8.0
47.5°	3.2	4.8	9.6	4.8	4.8
50°	3.2	3.2	6.4	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	1.6	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	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)