

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: P1318286

Luminaire Tested: P3SQAS20R309835D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318286
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: P3SQAS20R309835D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

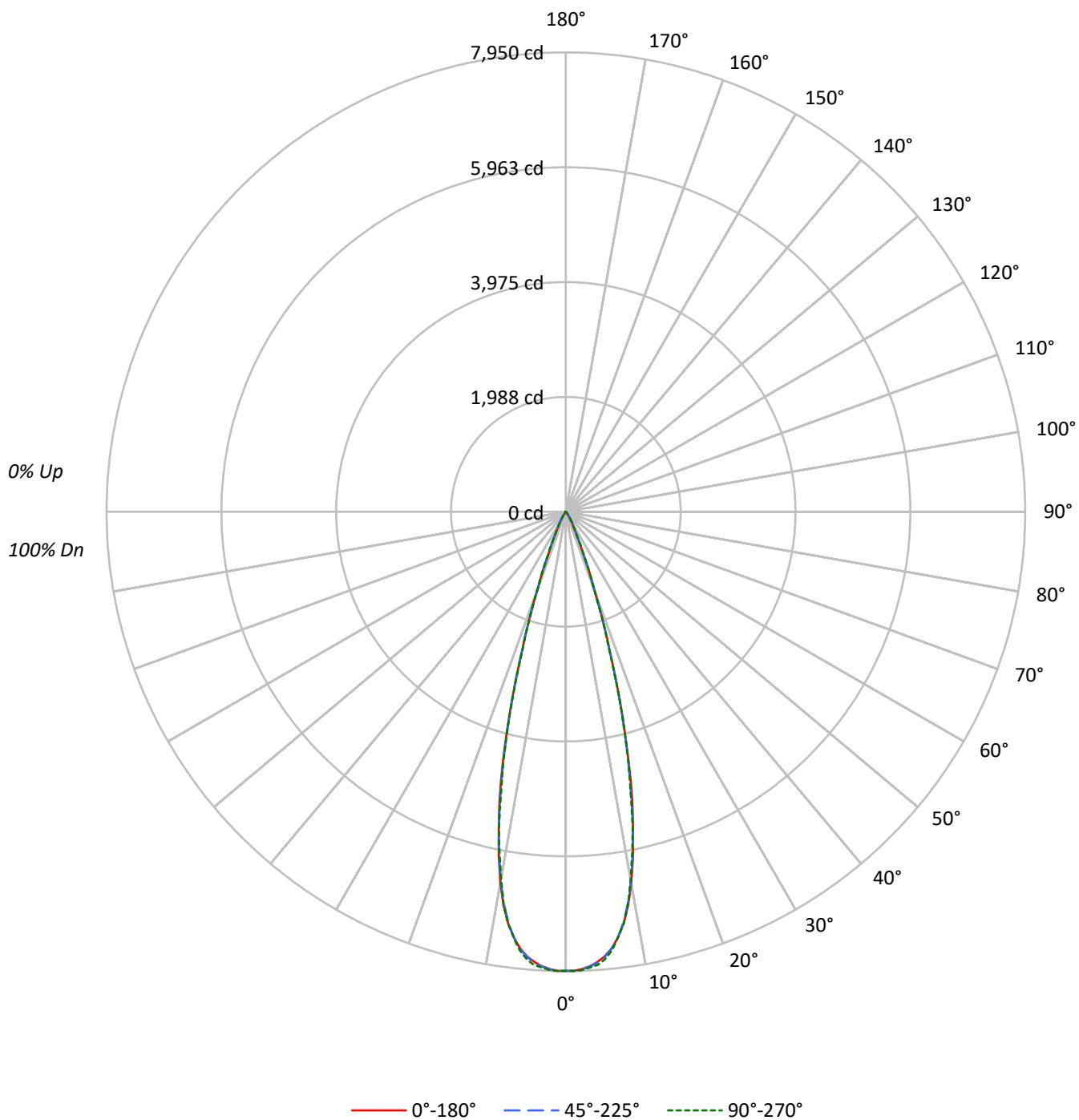
Lumens per Lamp: N/A
Luminaire Lumens: 2050.0 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	110	113	111	109	108	107	106	105		103	102	101		100
2	112	108	105	103	109	106	104	102	103	101	99		100	99	97		98
3	108	104	100	97	106	102	99	97	100	97	95		98	95	94		95
4	105	100	96	93	103	99	95	92	97	94	91		95	92	90		93
5	102	96	92	89	101	95	92	89	94	91	88		92	90	87		91
6	99	93	89	86	98	92	89	86	91	88	85		90	87	85		89
7	96	90	86	83	95	90	86	83	89	85	83		87	85	82		87
8	94	88	84	81	93	87	83	81	86	83	80		85	82	80		84
9	91	85	81	78	91	85	81	78	84	80	78		83	80	78		82
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1368257	1368257	1368257
5°	1334897	1336556	1343990
10°	1140109	1134810	1128112
15°	703564	695327	697894
20°	265914	267362	267069
25°	81806	89674	85436
30°	32972	41861	34245
35°	9713	17766	10050
40°	3934	7172	3934
45°	779	2338	779
50°	0	429	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: 2338 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	700.7	34.2
10°-20°	1037.5	50.6
20°-30°	257.3	12.6
30°-40°	48.3	2.4
40°-50°	6.1	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°	1995.6	97.3
0°-40°	2043.9	99.7
0°-60°	2050.0	100.0
0°-90°	2050.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2050.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7945	7945	7945	7945	7945	
5°	7722	7718	7731	7744	7774	701
15°	3946	3908	3900	3930	3914	1043
25°	430	459	472	470	450	248
35°	46	61	84	62	48	39
45°	3	5	10	6	3	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°	7944.7	7944.7	7944.7	7944.7	7944.7
1°	7947.9	7941.5	7941.5	7932.0	7949.5
2°	7919.2	7912.8	7924.0	7916.0	7938.3
3°	7876.2	7868.2	7884.1	7888.9	7900.1
4°	7812.4	7806.0	7823.5	7833.1	7863.4
5°	7721.5	7718.3	7731.1	7743.8	7774.1
6°	7597.1	7592.4	7600.3	7616.3	7635.4
7°	7417.0	7407.4	7413.8	7417.0	7421.8
8°	7189.0	7174.6	7166.7	7184.2	7193.8
9°	6895.6	6879.7	6862.1	6855.8	6878.1
10°	6519.4	6495.4	6489.1	6473.1	6450.8
11°	6082.5	6063.4	6058.6	6029.9	6017.1
12°	5581.9	5572.3	5583.5	5565.9	5559.5
13°	5102.0	5041.4	5033.4	4999.9	4982.4
14°	4534.4	4478.6	4477.0	4459.4	4483.4
15°	3946.0	3907.8	3899.8	3930.1	3914.2
17.5°	2515.9	2541.4	2535.0	2519.1	2492.0
20°	1450.9	1433.3	1458.8	1465.2	1457.2
22.5°	773.3	779.6	784.4	803.6	816.3
25°	430.5	459.2	471.9	470.3	449.6
27.5°	267.9	285.4	309.3	293.4	275.8
30°	165.8	180.2	210.5	181.8	172.2
32.5°	89.3	113.2	135.5	113.2	92.5
35°	46.2	60.6	84.5	62.2	47.8
37.5°	30.3	35.1	54.2	35.1	30.3
40°	17.5	22.3	31.9	22.3	17.5
42.5°	8.0	12.8	17.5	12.8	8.0
45°	3.2	4.8	9.6	6.4	3.2
47.5°	0.0	1.6	4.8	1.6	0.0
50°	0.0	0.0	1.6	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)