

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: P1318322

Luminaire Tested: P3SQAS20R409835D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R409835D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

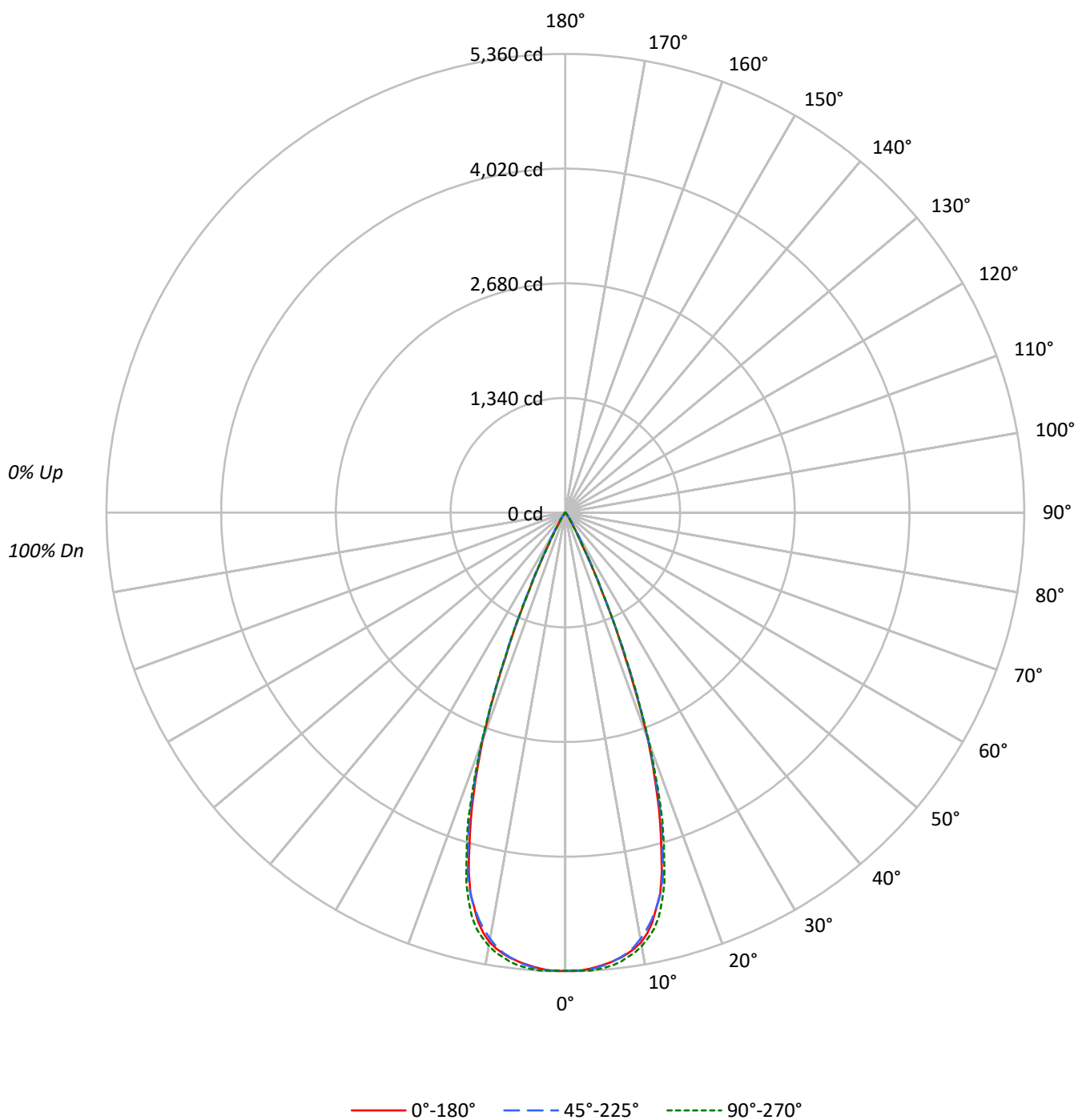
Lumens per Lamp: N/A
Luminaire Lumens: 2266.0 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	922097	922097	922097
5°	915973	917356	922317
10°	891168	884488	899265
15°	776488	784440	796653
20°	517222	519843	524809
25°	188050	193789	188944
30°	39932	53554	39932
35°	14065	23779	13393
40°	5014	7531	5014
45°	1169	3093	1169
50°	857	1286	857
55°	961	961	961
60°	1102	1102	1102
65°	652	1304	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: 3093 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.3	22.1
10°-20°	1165.9	51.5
20°-30°	524.7	23.2
30°-40°	59.7	2.6
40°-50°	8.6	0.4
50°-60°	2.9	0.1
60°-70°	2.5	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°	2190.9	96.7
0°-40°	2250.6	99.3
0°-60°	2262.1	99.8
0°-90°	2266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2266.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5354	5354	5354	5354	5354	
5°	5298	5292	5306	5330	5335	500
15°	4355	4366	4400	4435	4468	1157
25°	990	996	1020	1020	994	512
35°	67	75	113	72	64	50
45°	5	8	13	8	5	6
55°	3	3	3	3	3	3
65°	2	3	3	3	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°	5354.1	5354.1	5354.1	5354.1	5354.1
1°	5357.3	5352.5	5350.9	5360.5	5352.5
2°	5352.5	5349.3	5350.9	5360.5	5354.1
3°	5338.2	5339.7	5344.5	5362.1	5360.5
4°	5320.6	5319.0	5328.6	5350.9	5350.9
5°	5298.3	5291.9	5306.3	5330.2	5335.0
6°	5272.8	5264.9	5276.0	5306.3	5317.4
7°	5244.1	5228.2	5237.8	5274.4	5288.8
8°	5205.9	5185.2	5196.3	5233.0	5244.1
9°	5158.1	5126.2	5135.8	5180.4	5202.7
10°	5095.9	5056.1	5057.7	5107.1	5142.2
11°	5008.3	4963.7	4965.3	5027.4	5064.1
12°	4892.0	4852.1	4860.1	4917.5	4976.4
13°	4734.2	4723.1	4732.6	4794.8	4849.0
14°	4581.3	4570.1	4587.6	4645.0	4670.5
15°	4355.0	4366.1	4399.6	4434.7	4468.1
17.5°	3637.9	3680.9	3720.8	3744.7	3773.4
20°	2822.1	2772.7	2836.4	2807.7	2863.5
22.5°	1821.3	1858.0	1873.9	1858.0	1864.4
25°	989.6	995.9	1019.8	1019.8	994.3
27.5°	420.7	454.1	484.4	473.3	420.7
30°	200.8	231.1	269.3	232.6	200.8
32.5°	113.1	133.9	173.7	130.7	110.0
35°	66.9	74.9	113.1	71.7	63.7
37.5°	39.8	41.4	62.1	43.0	38.2
40°	22.3	27.1	33.5	27.1	22.3
42.5°	11.2	15.9	20.7	15.9	11.2
45°	4.8	8.0	12.7	8.0	4.8
47.5°	4.8	4.8	8.0	4.8	4.8
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	3.2	3.2	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)