

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: P1315652

Luminaire Tested: P3SQAS20R309740D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315652
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309740D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

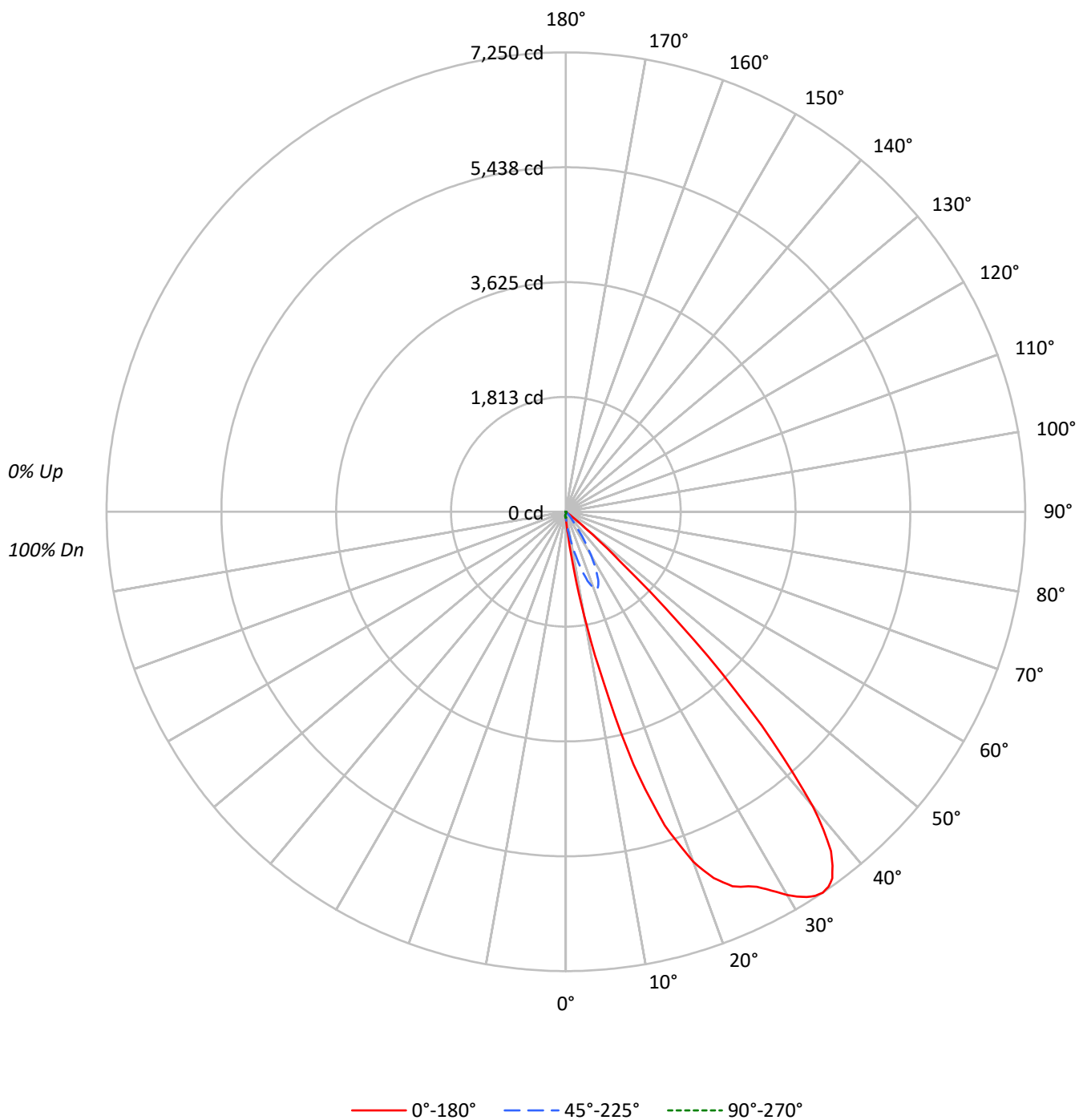
Lumens per Lamp: N/A
Luminaire Lumens: 1745.0 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71		78	74	70		76	73	69	68
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71	66	63	61
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52		61	56	52		60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39		48	43	39		48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	16068	16068	16068	16068	16068
5°	58313	36236	14729	5947	4253
10°	288674	86775	11455	1154	0
15°	736371	165264	7292	0	0
20°	1075974	234996	3006	0	0
25°	1241311	230597	627	0	0
30°	1389255	158277	0	0	0
35°	1519378	68161	0	0	0
40°	1363672	26506	0	0	0
45°	696386	10765	0	0	0
50°	107494	1313	0	0	0
55°	6396	0	480	0	0
60°	0	0	551	0	0
65°	0	0	1345	0	0
70°	0	806	1662	0	0
75°	0	1065	3261	0	0
80°	0	1587	4860	0	0
85°	0	3162	9683	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 696386 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	1.1
10°-20°	232.5	13.3
20°-30°	574.6	32.9
30°-40°	660.8	37.9
40°-50°	245.1	14.0
50°-60°	8.9	0.5
60°-70°	0.9	0.0
70°-80°	1.4	0.1
80°-90°	1.3	0.1
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°	826.6	47.4
0°-40°	1487.3	85.2
0°-60°	1741.4	99.8
0°-90°	1745.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1745.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	93	93	93	93	93	
5°	337	210	85	34	25	73
15°	4130	927	41	0	0	1187
25°	6532	1214	3	0	0	3018
35°	7227	324	0	0	0	4381
45°	2859	44	0	0	0	2227
55°	21	0	2	0	0	73
65°	0	0	3	0	0	0
75°	0	2	5	0	0	0
85°	0	2	5	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
2.5°	165.4	167.0	167.0	162.1	160.5	158.8	153.9	139.2	116.3	93.3	75.3
5°	337.3	339.0	339.0	329.2	309.5	289.9	273.5	209.6	134.3	85.2	55.7
7.5°	795.9	797.5	763.1	723.8	645.2	604.3	528.9	322.6	152.3	77.0	36.0
10°	1650.7	1614.7	1524.6	1410.0	1288.8	1131.6	972.7	496.2	165.4	65.5	22.9
12.5°	2759.3	2724.9	2608.7	2444.9	2207.5	1899.6	1598.3	697.6	167.0	52.4	13.1
15°	4130.0	4033.4	3894.2	3622.3	3271.9	2795.4	2297.5	926.9	160.5	40.9	3.3
17.5°	5192.8	5104.4	4927.5	4609.8	4174.2	3645.3	3034.4	1144.7	142.5	26.2	0.0
20°	5870.8	5777.4	5612.0	5332.0	4868.5	4247.9	3548.7	1282.2	117.9	16.4	0.0
21°	6064.0	5973.9	5811.8	5533.4	5071.6	4452.6	3674.7	1311.7	106.4	13.1	0.0
22°	6234.3	6163.9	6013.2	5710.3	5240.3	4603.3	3802.5	1315.0	98.3	9.8	0.0
23°	6353.8	6303.1	6152.4	5874.0	5405.7	4726.1	3871.3	1295.3	88.4	6.6	0.0
24°	6468.5	6406.2	6276.9	6018.1	5536.7	4829.2	3933.5	1259.3	78.6	4.9	0.0
25°	6532.3	6460.3	6360.4	6118.0	5644.8	4894.7	3971.1	1213.5	68.8	3.3	0.0
26°	6576.6	6520.9	6411.2	6177.0	5690.6	4937.3	3976.1	1146.3	62.2	1.6	0.0
27°	6643.7	6588.0	6481.6	6229.4	5710.3	4930.8	3946.6	1069.3	54.0	0.0	0.0
28°	6745.2	6671.5	6565.1	6285.1	5718.5	4902.9	3881.1	985.8	45.9	0.0	0.0
29°	6861.5	6786.2	6669.9	6358.8	5720.1	4847.3	3777.9	894.1	40.9	0.0	0.0
30°	6985.9	6920.4	6802.5	6430.8	5738.1	4775.2	3658.4	795.9	32.8	0.0	0.0
31°	7084.2	7025.2	6899.2	6496.3	5752.8	4713.0	3511.0	697.6	27.8	0.0	0.0
32°	7169.4	7117.0	6961.4	6511.0	5723.4	4624.5	3353.8	602.6	22.9	0.0	0.0
33°	7228.3	7162.8	6981.0	6473.4	5638.2	4478.8	3178.6	512.6	18.0	0.0	0.0
34°	7249.6	7171.0	6951.6	6375.1	5466.3	4257.7	2950.9	419.2	14.7	0.0	0.0
35°	7226.7	7130.1	6845.1	6206.5	5233.7	3994.1	2677.5	324.2	11.5	0.0	0.0
36°	7153.0	7030.2	6692.8	5965.7	4901.3	3682.9	2404.0	252.2	8.2	0.0	0.0
37°	6994.1	6858.2	6432.4	5648.0	4572.1	3325.9	2092.8	196.5	4.9	0.0	0.0
38°	6799.3	6602.8	6085.3	5246.8	4146.4	2924.7	1785.0	162.1	3.3	0.0	0.0
39°	6466.8	6250.7	5672.6	4785.0	3728.8	2543.2	1485.3	140.8	1.6	0.0	0.0
40°	6065.6	5808.5	5201.0	4290.5	3235.9	2143.6	1239.7	117.9	1.6	0.0	0.0
42.5°	4575.4	4357.6	3704.2	2918.2	1978.2	1264.2	687.8	77.0	0.0	0.0	0.0
45°	2859.2	2631.6	2189.5	1599.9	1071.0	655.0	330.8	44.2	0.0	0.0	0.0
47.5°	1167.6	1071.0	881.0	678.0	484.7	307.9	137.6	19.7	0.0	0.0	0.0
50°	401.2	357.0	299.7	219.4	155.6	106.4	72.1	4.9	0.0	0.0	0.0
52.5°	116.3	117.9	103.2	88.4	68.8	49.1	36.0	0.0	0.0	0.0	0.0
55°	21.3	18.0	21.3	19.7	21.3	18.0	13.1	0.0	0.0	1.6	0.0
57.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	1.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	3.3	1.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	3.3	1.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	4.9	1.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	4.9	1.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	4.9	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	4.9	1.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	4.9	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	4.9	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	4.9	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	93.3	93.3	93.3
2.5°	60.6	54.0	50.8
5°	34.4	26.2	24.6
7.5°	18.0	11.5	9.8
10°	6.6	1.6	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.0	0.0	0.0
85°	0.0	0.0	0.0
87.5°	0.0	0.0	0.0
90°	0.0	0.0	0.0

(END OF REPORT)