

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: P1318280

Luminaire Tested: P3SQAS20R309835D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318280
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: P3SQAS20R309835D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

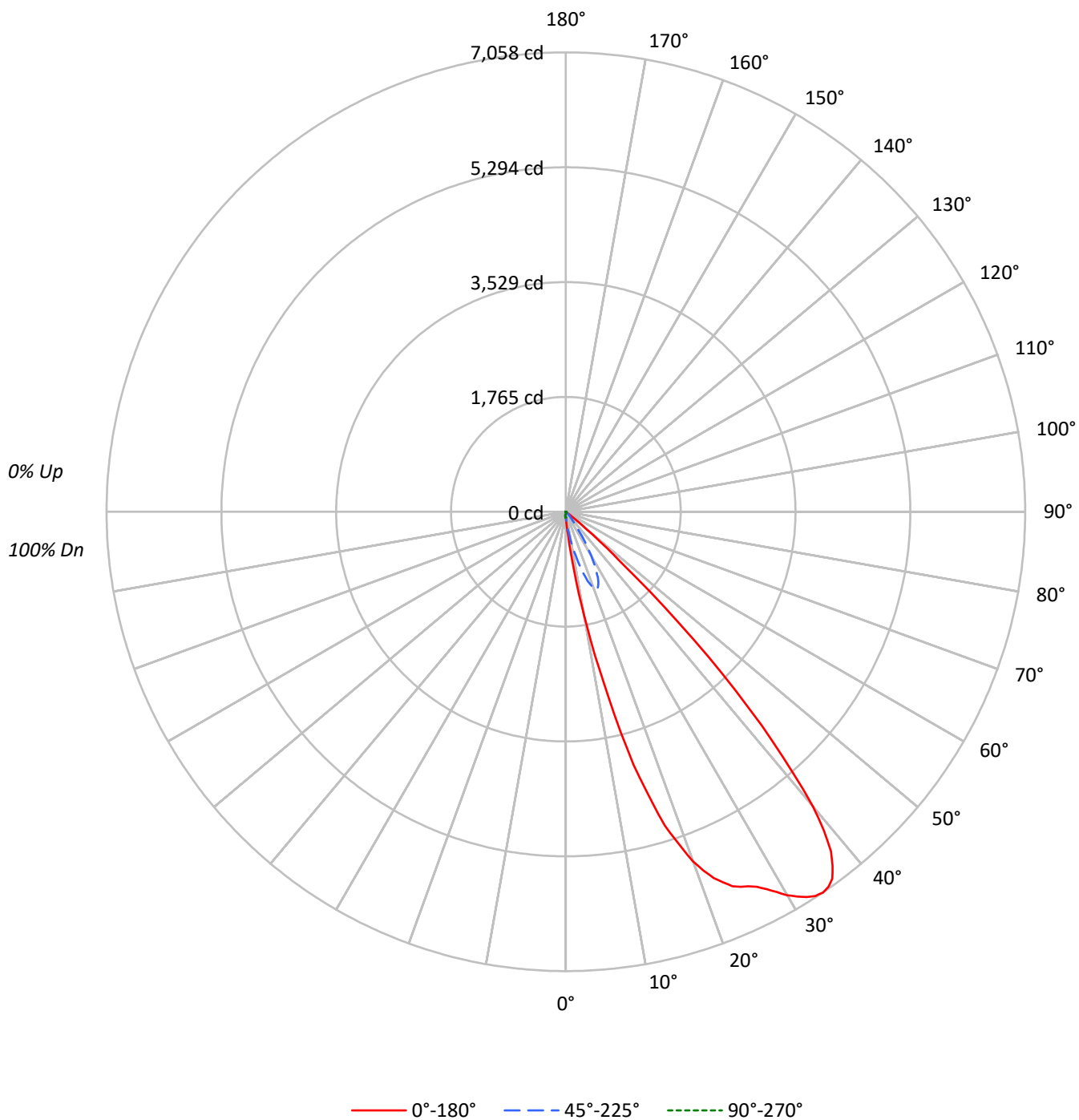
Lumens per Lamp: N/A
Luminaire Lumens: 1699.0 lumens
Efficiency: N/A
Efficacy: 62.0 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1318280

CATALOG NUMBER: P3SQAS20R309835D010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1318280

CATALOG NUMBER: P3SQAS20R309835D010 E3SQCA301MB

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		
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°	15655	15655	15655	15655	15655
5°	56791	35285	14332	5791	4132
10°	281066	84484	11157	1119	0
15°	716954	160896	7114	0	0
20°	1047603	228801	2914	0	0
25°	1208589	224516	608	0	0
30°	1352644	154101	0	0	0
35°	1479326	66374	0	0	0
40°	1327724	25809	0	0	0
45°	678046	10473	0	0	0
50°	104654	1286	0	0	0
55°	6215	0	480	0	0
60°	0	0	551	0	0
65°	0	0	1304	0	0
70°	0	806	1611	0	0
75°	0	1065	3194	0	0
80°	0	1587	4761	0	0
85°	0	3162	9485	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 678046 cd/sqm

TEST NUMBER: P1318280

CATALOG NUMBER: P3SQAS20R309835D010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.0	1.1
10°-20°	226.4	13.3
20°-30°	559.4	32.9
30°-40°	643.3	37.9
40°-50°	238.6	14.0
50°-60°	8.7	0.5
60°-70°	0.8	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°	804.8	47.4
0°-40°	1448.1	85.2
0°-60°	1695.5	99.8
0°-90°	1699.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1699.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	91	91	91	91	91	
5°	328	204	83	34	24	71
15°	4021	902	40	0	0	1156
25°	6360	1182	3	0	0	2939
35°	7036	316	0	0	0	4266
45°	2784	43	0	0	0	2168
55°	21	0	2	0	0	71
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	

TEST NUMBER: P1318280

CATALOG NUMBER: P3SQAS20R309835D010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
2.5°	161.0	162.6	162.6	157.8	156.3	154.7	149.9	135.5	113.2	90.9	73.3
5°	328.5	330.0	330.0	320.5	301.3	282.2	266.3	204.1	130.7	82.9	54.2
7.5°	774.9	776.5	743.0	704.7	628.2	588.3	515.0	314.1	148.3	74.9	35.1
10°	1607.2	1572.1	1484.4	1372.8	1254.8	1101.7	947.1	483.1	161.0	63.8	22.3
12.5°	2686.6	2653.1	2539.9	2380.5	2149.3	1849.5	1556.2	679.2	162.6	51.0	12.8
15°	4021.1	3927.1	3791.5	3526.9	3185.6	2721.7	2237.0	902.4	156.3	39.9	3.2
17.5°	5055.9	4969.8	4797.6	4488.3	4064.2	3549.2	2954.5	1114.5	138.7	25.5	0.0
20°	5716.0	5625.1	5464.1	5191.4	4740.2	4135.9	3455.1	1248.4	114.8	15.9	0.0
21°	5904.1	5816.4	5658.6	5387.5	4937.9	4335.2	3577.9	1277.1	103.6	12.8	0.0
22°	6070.0	6001.4	5854.7	5559.7	5102.1	4481.9	3702.2	1280.3	95.7	9.6	0.0
23°	6186.3	6136.9	5990.2	5719.2	5263.2	4601.5	3769.2	1261.2	86.1	6.4	0.0
24°	6298.0	6237.4	6111.4	5859.5	5390.7	4701.9	3829.8	1226.1	76.5	4.8	0.0
25°	6360.1	6290.0	6192.7	5956.7	5496.0	4765.7	3866.5	1181.5	67.0	3.2	0.0
26°	6403.2	6349.0	6242.1	6014.1	5540.6	4807.2	3871.2	1116.1	60.6	1.6	0.0
27°	6468.6	6414.3	6310.7	6065.2	5559.7	4800.8	3842.5	1041.2	52.6	0.0	0.0
28°	6567.4	6495.7	6392.0	6119.4	5567.7	4773.7	3778.8	959.8	44.6	0.0	0.0
29°	6680.6	6607.3	6494.1	6191.1	5569.3	4719.5	3678.3	870.6	39.9	0.0	0.0
30°	6801.8	6738.0	6623.2	6261.3	5586.8	4649.3	3561.9	774.9	31.9	0.0	0.0
31°	6897.5	6840.1	6717.3	6325.1	5601.2	4588.7	3418.4	679.2	27.1	0.0	0.0
32°	6980.4	6929.3	6777.9	6339.4	5572.5	4502.6	3265.4	586.7	22.3	0.0	0.0
33°	7037.8	6974.0	6797.0	6302.7	5489.6	4360.7	3094.8	499.1	17.5	0.0	0.0
34°	7058.5	6982.0	6768.3	6207.1	5322.2	4145.5	2873.1	408.2	14.3	0.0	0.0
35°	7036.2	6942.1	6664.7	6042.8	5095.8	3888.8	2606.9	315.7	11.2	0.0	0.0
36°	6964.4	6844.8	6516.4	5808.5	4772.1	3585.8	2340.6	245.5	8.0	0.0	0.0
37°	6809.8	6677.4	6262.9	5499.2	4451.6	3238.3	2037.7	191.3	4.8	0.0	0.0
38°	6620.0	6428.7	5924.9	5108.5	4037.1	2847.6	1737.9	157.8	3.2	0.0	0.0
39°	6296.4	6085.9	5523.1	4658.9	3630.5	2476.1	1446.1	137.1	1.6	0.0	0.0
40°	5905.7	5655.4	5063.9	4177.4	3150.6	2087.1	1207.0	114.8	1.6	0.0	0.0
42.5°	4454.8	4242.7	3606.6	2841.3	1926.1	1230.9	669.7	74.9	0.0	0.0	0.0
45°	2783.9	2562.2	2131.7	1557.7	1042.7	637.8	322.1	43.0	0.0	0.0	0.0
47.5°	1136.8	1042.7	857.8	660.1	471.9	299.8	133.9	19.1	0.0	0.0	0.0
50°	390.6	347.6	291.8	213.7	151.5	103.6	70.2	4.8	0.0	0.0	0.0
52.5°	113.2	114.8	100.4	86.1	67.0	47.8	35.1	0.0	0.0	0.0	0.0
55°	20.7	17.5	20.7	19.1	20.7	17.5	12.8	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	3.2	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	1.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2	1.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2	1.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8	1.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8	1.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8	1.6



TEST NUMBER: P1318280

CATALOG NUMBER: P3SQAS20R309835D010 E3SQCA301MB

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	3.2	4.8	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8	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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CATALOG NUMBER: P3SQAS20R309835D010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	90.9	90.9	90.9
2.5°	59.0	52.6	49.4
5°	33.5	25.5	23.9
7.5°	17.5	11.2	9.6
10°	6.4	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)