

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: P1308305

Luminaire Tested: P3SQAS20R309030D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308305
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: P3SQAS20R309030D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

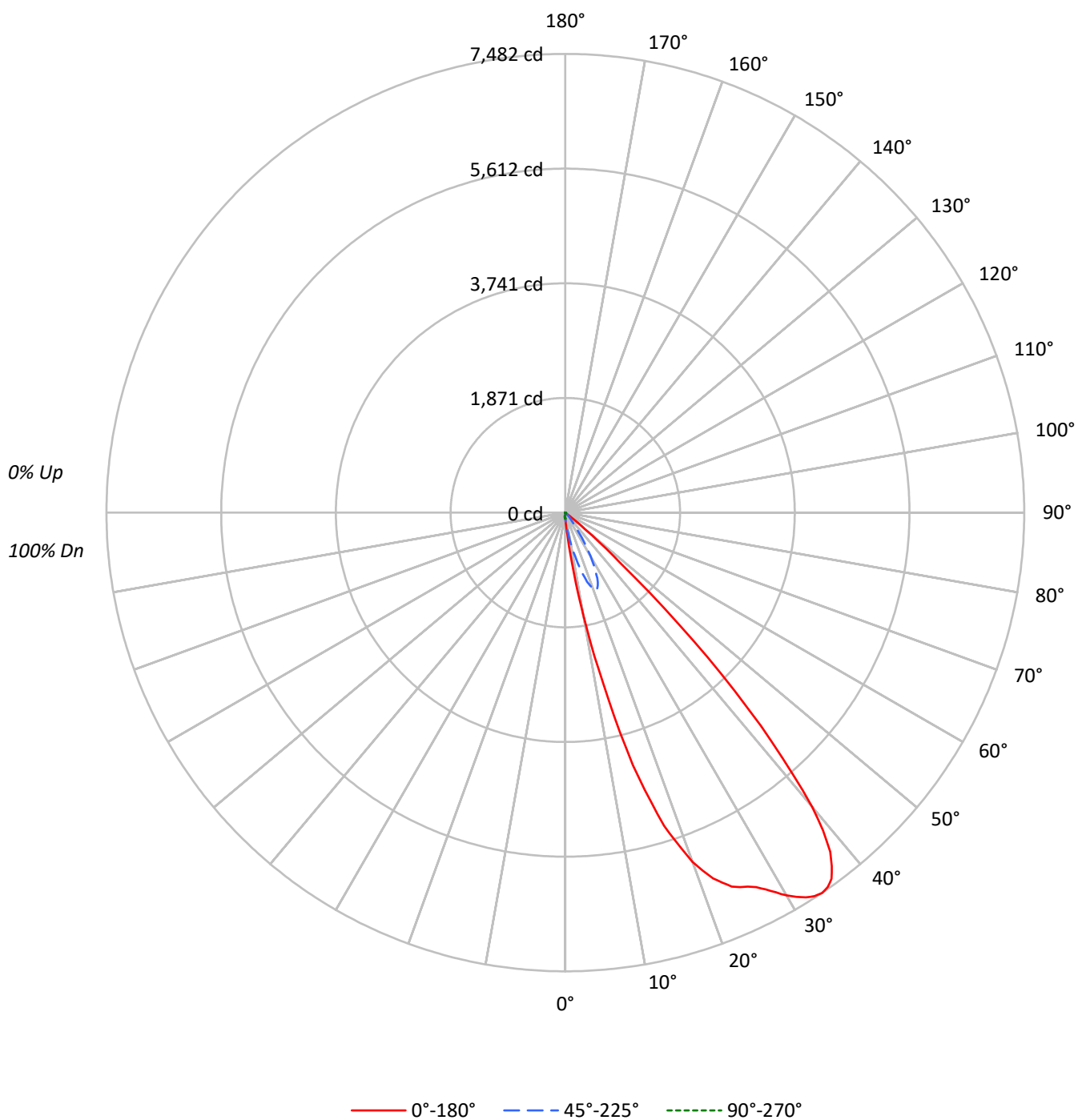
Lumens per Lamp: N/A
Luminaire Lumens: 1801.0 lumens
Efficiency: N/A
Efficacy: 62.5 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1308305

CATALOG NUMBER: P3SQAS20R309030D010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1308305

CATALOG NUMBER: P3SQAS20R309030D010 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°	16585	16585	16585	16585	16585
5°	60197	37394	15196	6137	4391
10°	297942	89556	11822	1189	0
15°	759995	170560	7542	0	0
20°	1110503	242547	3097	0	0
25°	1281160	237989	646	0	0
30°	1433841	163348	0	0	0
35°	1568134	70348	0	0	0
40°	1407445	27361	0	0	0
45°	718744	11106	0	0	0
50°	110950	1366	0	0	0
55°	6606	0	510	0	0
60°	0	0	586	0	0
65°	0	0	1386	0	0
70°	0	856	1712	0	0
75°	0	1131	3394	0	0
80°	0	1686	5058	0	0
85°	0	3359	10078	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 718744 cd/sqm

TEST NUMBER: P1308305

CATALOG NUMBER: P3SQAS20R309030D010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.1	1.1
10°-20°	240.0	13.3
20°-30°	593.0	32.9
30°-40°	682.0	37.9
40°-50°	253.0	14.0
50°-60°	9.2	0.5
60°-70°	0.9	0.0
70°-80°	1.5	0.1
80°-90°	1.4	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°	853.1	47.4
0°-40°	1535.1	85.2
0°-60°	1797.2	99.8
0°-90°	1801.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1801.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	96	96	96	96	96	
5°	348	216	88	36	25	76
15°	4262	957	42	0	0	1226
25°	6742	1252	3	0	0	3115
35°	7459	335	0	0	0	4522
45°	2951	46	0	0	0	2298
55°	22	0	2	0	0	75
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: P1308305

CATALOG NUMBER: P3SQAS20R309030D010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
2.5°	170.7	172.4	172.4	167.3	165.6	163.9	158.9	143.7	120.0	96.3	77.7
5°	348.2	349.9	349.9	339.7	319.4	299.2	282.3	216.3	138.6	87.9	57.5
7.5°	821.4	823.1	787.6	747.0	665.9	623.7	545.9	333.0	157.2	79.4	37.2
10°	1703.7	1666.5	1573.5	1455.2	1330.1	1167.9	1003.9	512.1	170.7	67.6	23.7
12.5°	2847.9	2812.4	2692.4	2523.4	2278.3	1960.6	1649.6	720.0	172.4	54.1	13.5
15°	4262.5	4162.8	4019.2	3738.6	3376.9	2885.1	2371.3	956.6	165.6	42.3	3.4
17.5°	5359.4	5268.2	5085.6	4757.7	4308.2	3762.3	3131.8	1181.4	147.0	27.0	0.0
20°	6059.2	5962.8	5792.1	5503.1	5024.8	4384.2	3662.5	1323.4	121.7	16.9	0.0
21°	6258.6	6165.6	5998.3	5711.0	5234.4	4595.5	3792.7	1353.8	109.9	13.5	0.0
22°	6434.4	6361.7	6206.2	5893.5	5408.4	4751.0	3924.5	1357.2	101.4	10.1	0.0
23°	6557.7	6505.3	6349.9	6062.5	5579.2	4877.7	3995.5	1336.9	91.3	6.8	0.0
24°	6676.1	6611.8	6478.3	6211.3	5714.4	4984.2	4059.7	1299.7	81.1	5.1	0.0
25°	6742.0	6667.6	6564.5	6314.4	5825.9	5051.8	4098.6	1252.4	71.0	3.4	0.0
26°	6787.6	6730.1	6616.9	6375.2	5873.2	5095.8	4103.7	1183.1	64.2	1.7	0.0
27°	6856.9	6799.4	6689.6	6429.3	5893.5	5089.0	4073.2	1103.7	55.8	0.0	0.0
28°	6961.7	6885.6	6775.8	6486.8	5902.0	5060.3	4005.6	1017.5	47.3	0.0	0.0
29°	7081.7	7003.9	6883.9	6562.8	5903.7	5002.8	3899.2	922.8	42.3	0.0	0.0
30°	7210.1	7142.5	7020.8	6637.2	5922.3	4928.4	3775.8	821.4	33.8	0.0	0.0
31°	7311.5	7250.7	7120.6	6704.8	5937.5	4864.2	3623.7	720.0	28.7	0.0	0.0
32°	7399.4	7345.3	7184.8	6720.0	5907.0	4773.0	3461.4	622.0	23.7	0.0	0.0
33°	7460.3	7392.7	7205.1	6681.1	5819.2	4622.5	3280.6	529.0	18.6	0.0	0.0
34°	7482.3	7401.1	7174.6	6579.7	5641.7	4394.4	3045.6	432.7	15.2	0.0	0.0
35°	7458.6	7358.9	7064.8	6405.6	5401.7	4122.3	2763.4	334.6	11.8	0.0	0.0
36°	7382.5	7255.8	6907.6	6157.2	5058.6	3801.1	2481.1	260.3	8.5	0.0	0.0
37°	7218.6	7078.3	6638.9	5829.3	4718.9	3432.7	2160.0	202.8	5.1	0.0	0.0
38°	7017.5	6814.6	6280.6	5415.2	4279.4	3018.6	1842.3	167.3	3.4	0.0	0.0
39°	6674.4	6451.3	5854.6	4938.6	3848.4	2624.8	1533.0	145.4	1.7	0.0	0.0
40°	6260.3	5994.9	5367.9	4428.2	3339.7	2212.4	1279.4	121.7	1.7	0.0	0.0
42.5°	4722.3	4497.5	3823.1	3011.8	2041.7	1304.8	709.9	79.4	0.0	0.0	0.0
45°	2951.0	2716.1	2259.7	1651.3	1105.4	676.1	341.4	45.6	0.0	0.0	0.0
47.5°	1205.1	1105.4	909.3	699.7	500.3	317.7	142.0	20.3	0.0	0.0	0.0
50°	414.1	368.5	309.3	226.5	160.6	109.9	74.4	5.1	0.0	0.0	0.0
52.5°	120.0	121.7	106.5	91.3	71.0	50.7	37.2	0.0	0.0	0.0	0.0
55°	22.0	18.6	22.0	20.3	22.0	18.6	13.5	0.0	0.0	1.7	0.0
57.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	1.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	3.4	1.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	3.4	1.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	5.1	1.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	5.1	1.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	5.1	1.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	5.1	1.7



TEST NUMBER: P1308305

CATALOG NUMBER: P3SQAS20R309030D010 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	1.7	3.4	5.1	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	5.1	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	5.1	1.7
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: P3SQAS20R309030D010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	96.3	96.3	96.3
2.5°	62.5	55.8	52.4
5°	35.5	27.0	25.4
7.5°	18.6	11.8	10.1
10°	6.8	1.7	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)