

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: P1308322

Luminaire Tested: P3SQAS20R359030D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359030D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

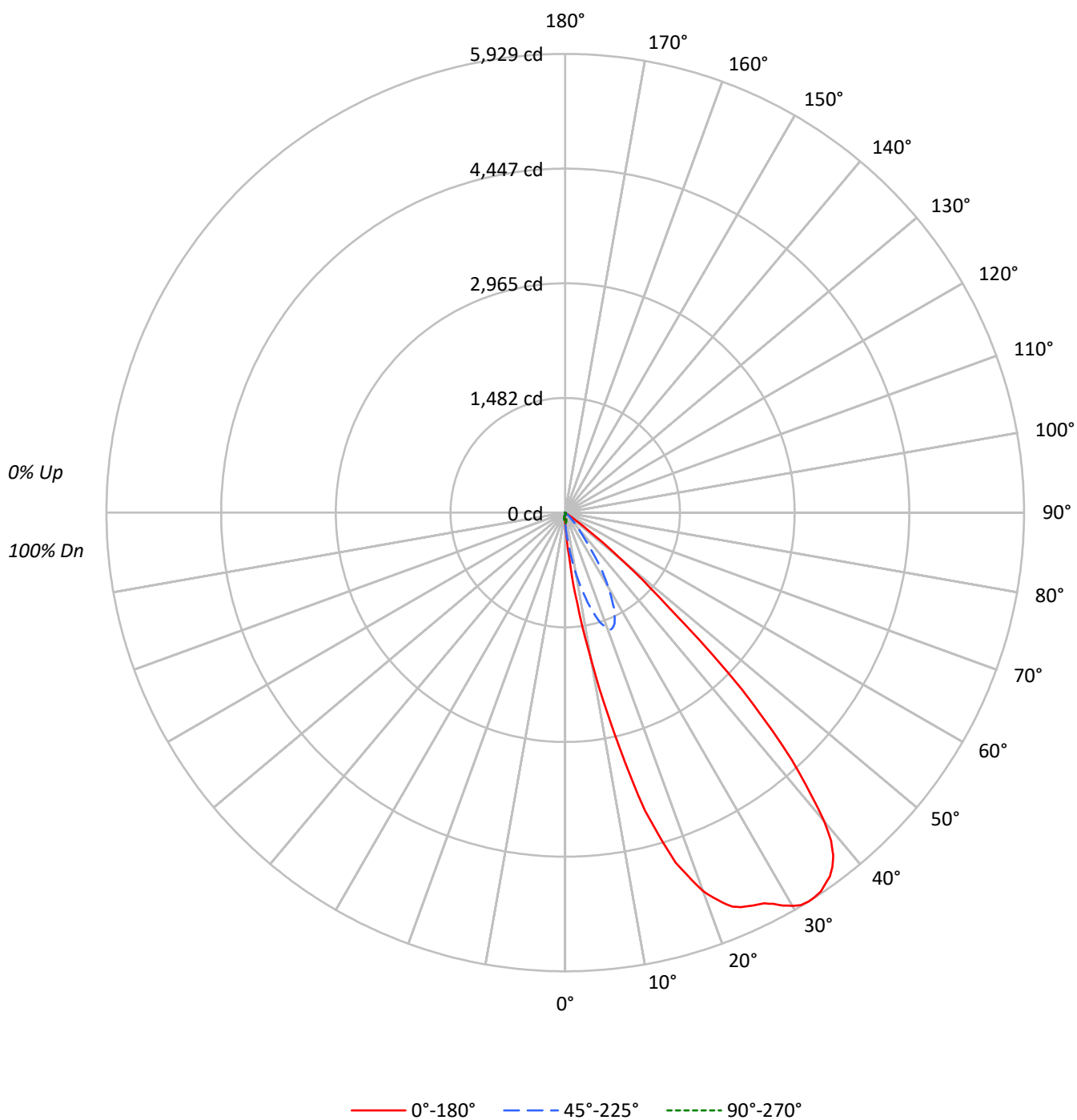
Lumens per Lamp: N/A
Luminaire Lumens: 1771.0 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1308322

CATALOG NUMBER: P3SQAS20R359030D010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1308322

CATALOG NUMBER: P3SQAS20R359030D010 E3SQCA301MB

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	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79		85	81	78		82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	86	76	70	64	85	75	69	64	74	68	63		72	67	63		70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57		66	61	57		65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47		56	51	46		55	50	46	45
9	66	54	47	43	65	54	47	43	53	47	42		52	46	42		51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	22992	22992	22992	22992	22992
5°	99890	61926	21316	7589	5256
10°	336241	139746	15949	1766	595
15°	711534	229238	9949	0	0
20°	954041	292929	4637	0	0
25°	1066221	287662	969	0	0
30°	1167222	220403	0	0	0
35°	1231889	120071	0	0	0
40°	1171046	53934	0	0	0
45°	785967	23869	0	0	0
50°	262545	2251	0	0	0
55°	14202	0	0	0	0
60°	0	0	586	0	0
65°	0	0	1386	0	0
70°	0	856	1712	0	0
75°	0	1131	2262	0	0
80°	0	1686	3372	0	0
85°	0	3359	6719	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 785967 cd/sqm

TEST NUMBER: P1308322

CATALOG NUMBER: P3SQAS20R359030D010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.7	1.6
10°-20°	245.7	13.9
20°-30°	539.2	30.4
30°-40°	623.6	35.2
40°-50°	307.8	17.4
50°-60°	22.8	1.3
60°-70°	0.8	0.0
70°-80°	1.3	0.1
80°-90°	1.2	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°	813.6	45.9
0°-40°	1437.2	81.1
0°-60°	1767.8	99.8
0°-90°	1771.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1771.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	134	134	134	134	134	
5°	578	358	123	44	30	99
15°	3991	1286	56	0	0	1126
25°	5611	1514	5	0	0	2594
35°	5859	571	0	0	0	3618
45°	3227	98	0	0	0	2368
55°	47	0	0	0	0	193
65°	0	0	3	0	0	0
75°	0	2	3	0	0	0
85°	0	2	3	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1308322

CATALOG NUMBER: P3SQAS20R359030D010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5
2.5°	265.3	272.0	268.6	268.6	266.9	258.5	243.3	238.2	219.6	174.0	135.2
5°	577.8	579.5	574.4	549.1	527.1	506.9	462.9	442.7	358.2	212.9	123.3
7.5°	1172.5	1147.2	1115.1	1079.6	1001.9	930.9	838.0	740.0	554.2	246.7	109.8
10°	1922.7	1887.2	1860.2	1775.7	1635.5	1490.2	1312.8	1152.3	799.1	270.3	91.2
12.5°	2890.8	2870.5	2774.2	2605.3	2397.4	2187.9	1878.8	1623.6	1045.8	275.4	74.3
15°	3990.7	3956.9	3809.9	3570.0	3287.8	2958.4	2544.4	2115.3	1285.7	260.2	55.8
17.5°	4742.5	4723.9	4597.2	4345.5	4021.1	3602.1	3112.1	2576.5	1483.4	228.1	38.9
20°	5205.5	5178.4	5060.2	4847.3	4507.7	4070.1	3488.9	2870.5	1598.3	187.5	25.3
21°	5325.4	5298.4	5203.8	4982.4	4658.0	4188.4	3591.9	2941.5	1620.3	169.0	20.3
22°	5438.6	5411.6	5311.9	5115.9	4794.9	4304.9	3673.0	2995.5	1616.9	153.7	15.2
23°	5533.2	5504.5	5406.5	5225.7	4903.0	4408.0	3733.9	3022.6	1594.9	138.5	11.8
24°	5582.2	5565.3	5477.5	5306.8	4990.9	4480.6	3776.1	3032.7	1567.9	123.3	8.4
25°	5610.9	5590.7	5504.5	5347.4	5048.3	4538.1	3803.1	3024.3	1513.8	109.8	5.1
26°	5641.3	5610.9	5512.9	5360.9	5078.7	4565.1	3804.8	3002.3	1456.4	98.0	1.7
27°	5668.4	5639.7	5538.3	5371.0	5083.8	4556.7	3791.3	2960.1	1387.1	86.2	1.7
28°	5727.5	5695.4	5578.8	5393.0	5088.9	4534.7	3749.1	2902.6	1295.9	76.0	0.0
29°	5805.2	5771.4	5638.0	5445.4	5100.7	4511.1	3691.6	2826.6	1216.5	67.6	0.0
30°	5869.4	5839.0	5715.7	5511.3	5131.1	4489.1	3624.0	2723.5	1108.3	57.4	0.0
31°	5916.7	5886.3	5773.1	5567.0	5158.1	4468.8	3539.6	2617.1	1010.3	50.7	0.0
32°	5928.6	5903.2	5796.8	5590.7	5158.1	4438.4	3461.9	2497.1	914.0	42.2	0.0
33°	5923.5	5898.2	5790.0	5573.8	5112.5	4365.8	3367.2	2353.5	804.2	37.2	0.0
34°	5904.9	5874.5	5759.6	5519.7	5023.0	4242.4	3230.4	2209.9	689.3	30.4	0.0
35°	5859.3	5832.3	5707.2	5418.3	4884.4	4054.9	3047.9	2044.3	571.1	25.3	0.0
36°	5815.4	5774.8	5621.1	5293.3	4702.0	3862.3	2830.0	1853.4	469.7	20.3	0.0
37°	5734.3	5676.8	5521.4	5112.5	4443.5	3590.3	2581.6	1643.9	393.7	15.2	0.0
38°	5626.1	5548.4	5350.7	4903.0	4183.3	3335.1	2348.5	1454.7	331.1	10.1	0.0
39°	5458.9	5367.6	5099.0	4615.8	3882.5	3039.5	2081.5	1253.6	282.2	6.8	0.0
40°	5208.8	5122.7	4825.3	4274.5	3583.5	2713.4	1807.8	1027.2	239.9	3.4	0.0
42.5°	4337.0	4218.8	3874.1	3326.7	2649.2	1951.4	1196.2	571.1	158.8	0.0	0.0
45°	3227.0	3122.3	2784.3	2285.9	1765.6	1194.5	640.3	336.2	98.0	0.0	0.0
47.5°	1823.0	1811.2	1591.5	1312.8	985.0	635.3	324.4	202.7	42.2	0.0	0.0
50°	979.9	919.1	792.4	601.5	410.6	277.1	175.7	111.5	8.4	0.0	0.0
52.5°	358.2	346.4	290.6	241.6	185.8	126.7	89.5	49.0	0.0	0.0	0.0
55°	47.3	43.9	45.6	49.0	50.7	43.9	28.7	10.1	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.7	3.4	3.4	3.4	0.0	0.0	0.0	1.7
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	3.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	3.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	3.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	3.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	3.4



TEST NUMBER: P1308322

CATALOG NUMBER: P3SQAS20R359030D010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	3.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	3.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1308322

CATALOG NUMBER: P3SQAS20R359030D010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	133.5	133.5	133.5	133.5
2.5°	103.1	79.4	67.6	65.9
5°	71.0	43.9	32.1	30.4
7.5°	49.0	22.0	15.2	13.5
10°	28.7	10.1	5.1	3.4
12.5°	16.9	1.7	0.0	0.0
15°	5.1	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	1.7	0.0	0.0	0.0
67.5°	1.7	0.0	0.0	0.0
70°	1.7	0.0	0.0	0.0
72.5°	1.7	0.0	0.0	0.0
75°	1.7	0.0	0.0	0.0
77.5°	1.7	0.0	0.0	0.0
80°	1.7	0.0	0.0	0.0



TEST NUMBER: P1308322

CATALOG NUMBER: P3SQAS20R359030D010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.7	0.0	0.0	0.0
85°	1.7	0.0	0.0	0.0
87.5°	1.7	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)