

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: P1309442

Luminaire Tested: P3SQAS20R359035D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309442
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359035D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

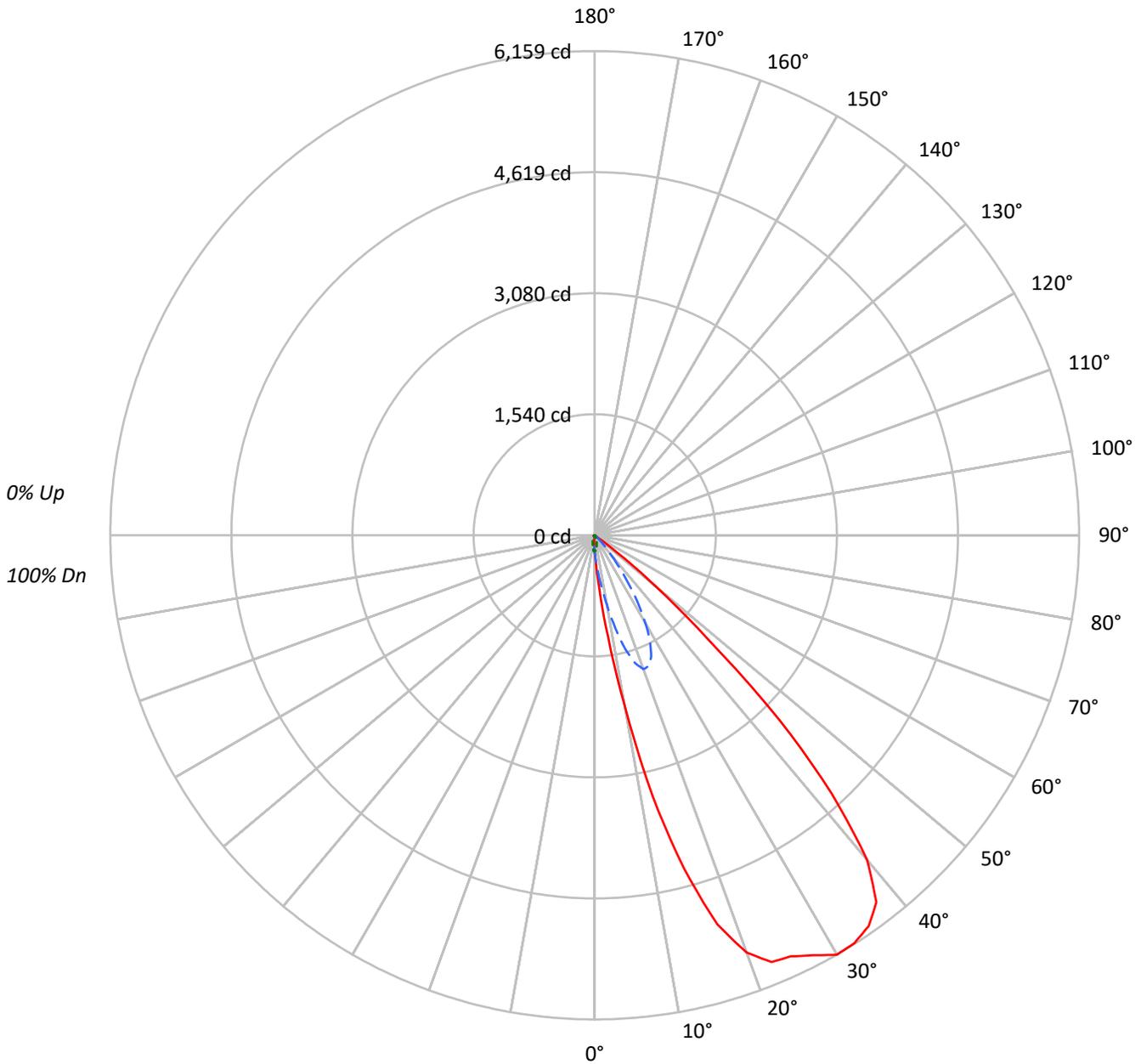
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1937.0 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
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



— 0°-180° - - 45°-225° - - - 90°-270°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	89	87	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	82	79	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	51	46	42	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	35030	35030	35030	35030	35030
5°	119339	77554	32761	13830	10217
10°	384053	157199	25847	5176	3340
15°	782496	266609	18293	1854	1248
20°	1034737	332059	11785	641	641
25°	1122754	322817	6613	323	665
30°	1224753	257253	2764	338	696
35°	1276208	160123	736	357	736
40°	1211042	69964	382	787	1169
45°	808447	27961	414	1267	2119
50°	271146	4662	938	1876	2786
55°	15133	510	1051	2612	3663
60°	1206	586	1791	2997	4202
65°	1426	693	2119	3545	4972
70°	856	856	2618	4381	5237
75°	1131	1131	3460	4658	5789
80°	0	1686	5157	5157	5157
85°	0	3359	10275	3359	6916

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 808447 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.3	1.8
10°-20°	278.2	14.4
20°-30°	587.2	30.3
30°-40°	666.2	34.4
40°-50°	327.9	16.9
50°-60°	28.4	1.5
60°-70°	5.8	0.3
70°-80°	5.4	0.3
80°-90°	2.6	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°	900.7	46.5
0°-40°	1566.9	80.9
0°-60°	1923.2	99.3
0°-90°	1937.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1937.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	203	203	203	203	203	
5°	690	449	190	80	59	114
15°	4389	1495	103	10	7	1248
25°	5908	1699	35	2	4	2749
35°	6070	762	4	2	4	3741
45°	3319	115	2	5	9	2452
55°	50	2	4	9	12	198
65°	4	2	5	9	12	3
75°	2	2	5	7	9	1
85°	0	2	5	2	4	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4
2.5°	353.0	361.7	358.2	356.4	354.7	347.8	332.1	330.4	314.7	304.3	252.1
5°	690.3	676.4	679.9	660.7	636.4	601.6	579.0	530.3	490.3	448.6	293.9
7.5°	1300.6	1281.5	1245.0	1189.3	1131.9	1057.2	944.2	853.7	749.4	650.3	326.9
10°	2196.1	2185.6	2138.7	1996.1	1870.9	1671.0	1483.2	1285.0	1090.2	898.9	349.5
12.5°	3392.3	3321.1	3235.9	3046.3	2799.4	2549.0	2178.7	1836.1	1524.9	1205.0	351.2
15°	4388.7	4343.5	4223.5	3976.6	3679.2	3317.6	2877.7	2416.9	1947.4	1495.3	333.8
17.5°	5190.2	5120.7	4965.9	4724.2	4381.7	3912.2	3397.6	2835.9	2263.9	1702.3	304.3
20°	5645.8	5609.3	5491.0	5249.4	4875.5	4362.6	3776.6	3122.8	2462.1	1811.8	266.0
22.5°	5875.3	5849.2	5762.3	5569.3	5219.8	4703.4	4032.2	3272.4	2519.5	1799.6	226.0
25°	5908.4	5901.4	5826.6	5680.6	5388.5	4877.3	4143.5	3300.2	2472.5	1698.8	187.8
27.5°	6023.1	5998.8	5910.1	5764.0	5470.2	4906.8	4105.2	3204.6	2321.3	1521.4	156.5
30°	6158.7	6141.3	6052.7	5901.4	5553.6	4879.0	3969.6	2992.4	2079.6	1293.6	116.5
32.5°	6148.3	6141.3	6066.6	5906.6	5494.5	4715.6	3727.9	2674.2	1750.9	1020.7	73.0
35°	6070.1	6045.7	5951.8	5704.9	5157.2	4294.8	3268.9	2243.0	1385.8	761.6	46.9
37.5°	5882.3	5830.1	5671.9	5252.8	4553.8	3646.2	2662.1	1731.8	980.7	509.5	29.6
40°	5386.7	5320.6	5002.4	4496.5	3764.4	2872.5	1980.5	1191.1	646.8	311.2	12.2
42.5°	4468.6	4334.8	4016.6	3496.7	2809.9	2030.9	1300.6	772.0	380.8	187.8	3.5
45°	3319.3	3216.7	2882.9	2411.7	1841.4	1302.3	787.7	417.3	210.4	114.8	1.7
47.5°	1933.5	1870.9	1698.8	1389.3	1017.2	683.3	403.4	224.3	123.5	55.6	1.7
50°	1012.0	933.7	803.3	608.6	448.6	314.7	196.5	120.0	60.9	17.4	1.7
52.5°	354.7	349.5	318.2	240.0	194.7	140.8	95.6	52.2	17.4	3.5	1.7
55°	50.4	50.4	46.9	52.2	55.6	50.4	33.0	13.9	3.5	1.7	1.7
57.5°	3.5	3.5	3.5	5.2	7.0	7.0	5.2	1.7	1.7	1.7	3.5
60°	3.5	3.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5
62.5°	3.5	3.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5
65°	3.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5
67.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5
70°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.2
72.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.2
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.2
77.5°	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	3.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	3.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	3.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	3.5
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):

	90°	112.5°	135°	157.5°	180°
0°	203.4	203.4	203.4	203.4	203.4
2.5°	201.7	161.7	128.7	113.0	107.8
5°	189.5	121.7	80.0	62.6	59.1
7.5°	168.7	86.9	48.7	34.8	33.0
10°	147.8	62.6	29.6	20.9	19.1
12.5°	123.5	43.5	19.1	12.2	10.4
15°	102.6	29.6	10.4	8.7	7.0
17.5°	81.7	19.1	7.0	5.2	7.0
20°	64.3	12.2	3.5	3.5	3.5
22.5°	48.7	7.0	3.5	3.5	3.5
25°	34.8	3.5	1.7	1.7	3.5
27.5°	24.3	1.7	1.7	1.7	3.5
30°	13.9	1.7	1.7	1.7	3.5
32.5°	7.0	1.7	1.7	3.5	3.5
35°	3.5	1.7	1.7	3.5	3.5
37.5°	1.7	1.7	1.7	3.5	5.2
40°	1.7	1.7	3.5	5.2	5.2
42.5°	1.7	1.7	3.5	5.2	7.0
45°	1.7	3.5	5.2	7.0	8.7
47.5°	3.5	3.5	7.0	8.7	10.4
50°	3.5	5.2	7.0	10.4	10.4
52.5°	3.5	5.2	8.7	10.4	12.2
55°	3.5	7.0	8.7	12.2	12.2
57.5°	5.2	7.0	8.7	12.2	12.2
60°	5.2	7.0	8.7	12.2	12.2
62.5°	5.2	7.0	8.7	12.2	12.2
65°	5.2	7.0	8.7	12.2	12.2
67.5°	5.2	7.0	8.7	10.4	12.2
70°	5.2	7.0	8.7	10.4	10.4
72.5°	7.0	7.0	8.7	10.4	10.4
75°	5.2	7.0	7.0	8.7	8.7
77.5°	5.2	5.2	5.2	7.0	7.0
80°	5.2	5.2	5.2	5.2	5.2
82.5°	5.2	3.5	3.5	5.2	5.2
85°	5.2	3.5	1.7	3.5	3.5
87.5°	3.5	3.5	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)