

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: P1315042

Luminaire Tested: P3SQAS05R359740DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315042
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: P3SQAS05R359740DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

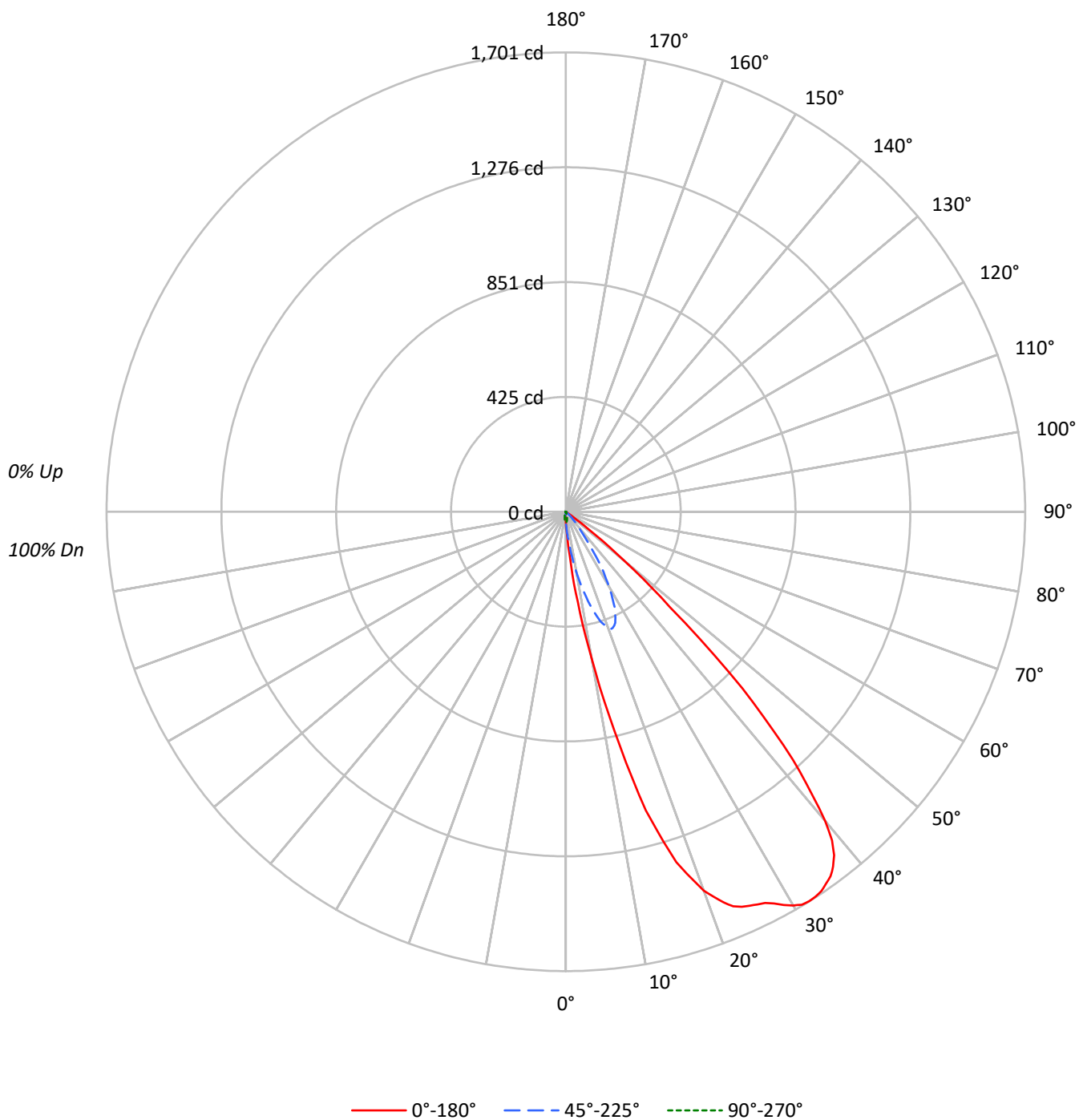
Lumens per Lamp: N/A
Luminaire Lumens: 508.0 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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
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	106	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°	6596	6596	6596	6596	6596
5°	28646	17755	6120	2178	1504
10°	96446	40082	4582	507	175
15°	204098	65756	2853	0	0
20°	273649	84032	1338	0	0
25°	305848	82510	285	0	0
30°	334810	63219	0	0	0
35°	353359	34438	0	0	0
40°	335905	15468	0	0	0
45°	225439	6844	0	0	0
50°	75315	643	0	0	0
55°	4084	0	0	0	0
60°	0	0	172	0	0
65°	0	0	408	0	0
70°	0	252	504	0	0
75°	0	333	665	0	0
80°	0	496	992	0	0
85°	0	988	1976	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 225439 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.2	1.6
10°-20°	70.5	13.9
20°-30°	154.7	30.4
30°-40°	178.9	35.2
40°-50°	88.3	17.4
50°-60°	6.5	1.3
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.3	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°	233.4	45.9
0°-40°	412.2	81.1
0°-60°	507.1	99.8
0°-90°	508.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	508.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	38	38	38	38	38	
5°	166	103	35	13	9	29
15°	1145	369	16	0	0	323
25°	1610	434	2	0	0	744
35°	1681	164	0	0	0	1038
45°	926	28	0	0	0	679
55°	14	0	0	0	0	55
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
2.5°	76.1	78.0	77.1	77.1	76.6	74.1	69.8	68.3	63.0	49.9	38.8
5°	165.7	166.2	164.8	157.5	151.2	145.4	132.8	127.0	102.7	61.1	35.4
7.5°	336.3	329.1	319.9	309.7	287.4	267.0	240.4	212.3	159.0	70.8	31.5
10°	551.5	541.3	533.6	509.3	469.1	427.4	376.6	330.5	229.2	77.5	26.2
12.5°	829.2	823.4	795.8	747.3	687.7	627.6	538.9	465.7	300.0	79.0	21.3
15°	1144.7	1135.0	1092.8	1024.0	943.1	848.6	729.9	606.8	368.8	74.6	16.0
17.5°	1360.4	1355.0	1318.7	1246.5	1153.4	1033.2	892.7	739.1	425.5	65.4	11.1
20°	1493.1	1485.4	1451.5	1390.4	1293.0	1167.5	1000.8	823.4	458.5	53.8	7.3
21°	1527.6	1519.8	1492.7	1429.2	1336.1	1201.4	1030.3	843.7	464.8	48.5	5.8
22°	1560.0	1552.3	1523.7	1467.5	1375.4	1234.8	1053.6	859.3	463.8	44.1	4.4
23°	1587.2	1578.9	1550.8	1499.0	1406.4	1264.4	1071.0	867.0	457.5	39.7	3.4
24°	1601.2	1596.4	1571.2	1522.2	1431.6	1285.2	1083.2	869.9	449.7	35.4	2.4
25°	1609.5	1603.6	1578.9	1533.9	1448.1	1301.7	1090.9	867.5	434.2	31.5	1.5
26°	1618.2	1609.5	1581.4	1537.7	1456.8	1309.5	1091.4	861.2	417.8	28.1	0.5
27°	1625.9	1617.7	1588.6	1540.6	1458.3	1307.1	1087.5	849.1	397.9	24.7	0.5
28°	1642.9	1633.7	1600.3	1546.9	1459.7	1300.8	1075.4	832.6	371.7	21.8	0.0
29°	1665.2	1655.5	1617.2	1562.0	1463.1	1294.0	1058.9	810.8	348.9	19.4	0.0
30°	1683.6	1674.9	1639.5	1580.9	1471.8	1287.7	1039.5	781.2	317.9	16.5	0.0
31°	1697.2	1688.5	1656.0	1596.9	1479.6	1281.9	1015.3	750.7	289.8	14.5	0.0
32°	1700.6	1693.3	1662.8	1603.6	1479.6	1273.1	993.0	716.3	262.2	12.1	0.0
33°	1699.1	1691.8	1660.8	1598.8	1466.5	1252.3	965.9	675.1	230.7	10.7	0.0
34°	1693.8	1685.1	1652.1	1583.3	1440.8	1216.9	926.6	633.9	197.7	8.7	0.0
35°	1680.7	1672.9	1637.1	1554.2	1401.1	1163.1	874.3	586.4	163.8	7.3	0.0
36°	1668.1	1656.5	1612.4	1518.4	1348.7	1107.9	811.8	531.6	134.7	5.8	0.0
37°	1644.8	1628.4	1583.8	1466.5	1274.6	1029.8	740.5	471.5	112.9	4.4	0.0
38°	1613.8	1591.5	1534.8	1406.4	1199.9	956.7	673.6	417.3	95.0	2.9	0.0
39°	1565.8	1539.7	1462.6	1324.0	1113.7	871.9	597.1	359.6	80.9	1.9	0.0
40°	1494.1	1469.4	1384.1	1226.1	1027.9	778.3	518.6	294.7	68.8	1.0	0.0
42.5°	1244.0	1210.1	1111.3	954.2	759.9	559.7	343.1	163.8	45.6	0.0	0.0
45°	925.6	895.6	798.7	655.7	506.4	342.6	183.7	96.4	28.1	0.0	0.0
47.5°	522.9	519.5	456.5	376.6	282.5	182.2	93.0	58.2	12.1	0.0	0.0
50°	281.1	263.6	227.3	172.5	117.8	79.5	50.4	32.0	2.4	0.0	0.0
52.5°	102.7	99.3	83.4	69.3	53.3	36.3	25.7	14.1	0.0	0.0	0.0
55°	13.6	12.6	13.1	14.1	14.5	12.6	8.2	2.9	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.5	1.0	1.0	1.0	0.0	0.0	0.0	0.5
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0



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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	0.5	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
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):

	112.5°	135°	157.5°	180°
0°	38.3	38.3	38.3	38.3
2.5°	29.6	22.8	19.4	18.9
5°	20.4	12.6	9.2	8.7
7.5°	14.1	6.3	4.4	3.9
10°	8.2	2.9	1.5	1.0
12.5°	4.8	0.5	0.0	0.0
15°	1.5	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°	0.5	0.0	0.0	0.0
67.5°	0.5	0.0	0.0	0.0
70°	0.5	0.0	0.0	0.0
72.5°	0.5	0.0	0.0	0.0
75°	0.5	0.0	0.0	0.0
77.5°	0.5	0.0	0.0	0.0
80°	0.5	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.5	0.0	0.0	0.0
85°	0.5	0.0	0.0	0.0
87.5°	0.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)