

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: P1316443

Luminaire Tested: P3SQAS17R559827DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R559827DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

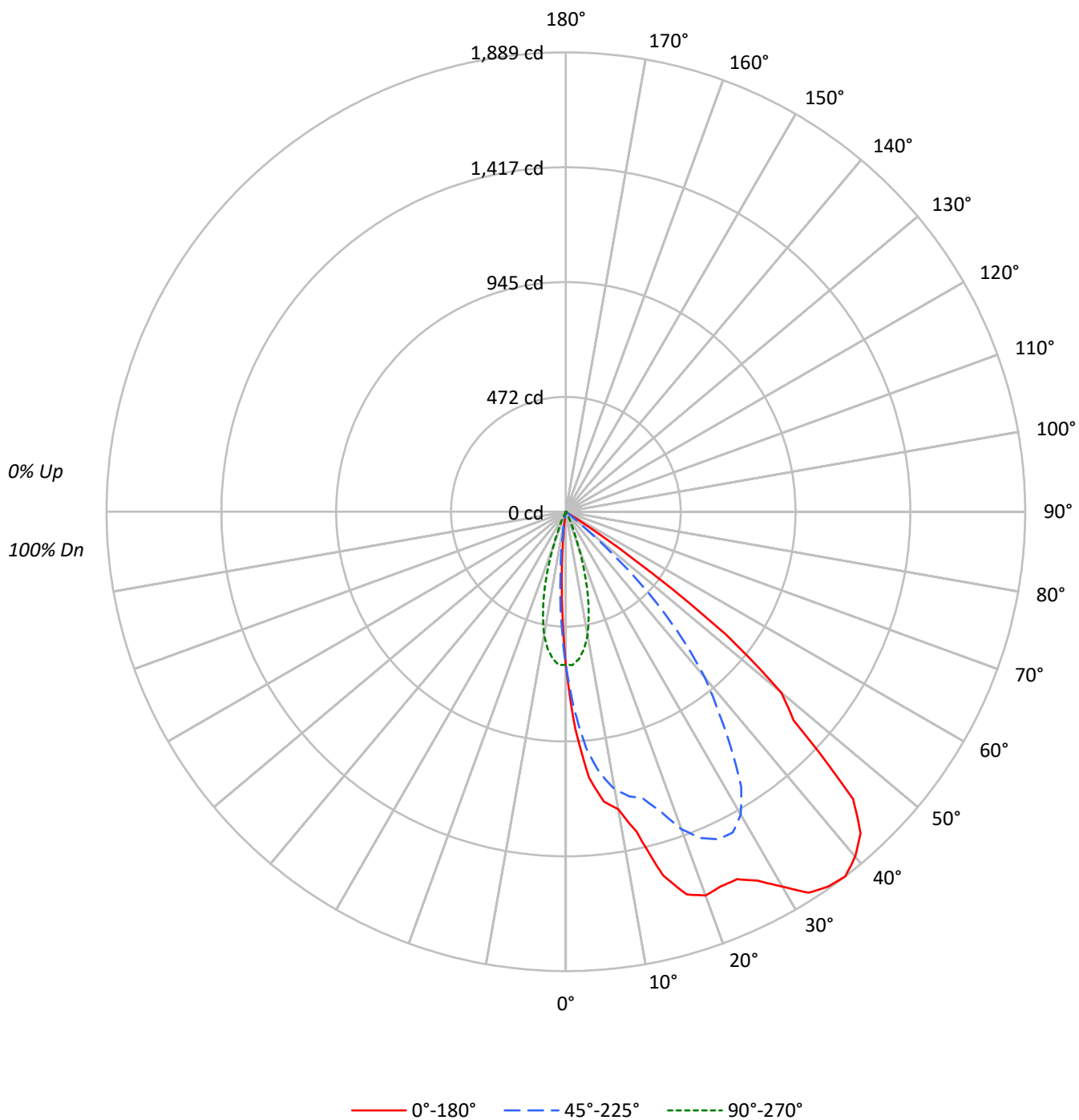
Lumens per Lamp: N/A
Luminaire Lumens: 1164.0 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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

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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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	108328	108328	108328	108328	108328
5°	189857	169250	105146	43687	25154
10°	217305	202580	89906	4774	1714
15°	276166	217470	61638	981	588
20°	307738	254405	27070	0	0
25°	316793	282285	7696	0	0
30°	353921	286048	1094	0	0
35°	395576	248383	0	0	0
40°	416098	199933	0	0	0
45°	406818	126286	0	0	0
50°	309782	25802	0	0	0
55°	101488	0	0	0	0
60°	0	0	0	0	0
65°	0	448	448	0	0
70°	0	554	554	0	0
75°	0	732	732	0	0
80°	0	1091	2182	1091	0
85°	0	2174	2174	2174	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 406818 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	4.9
10°-20°	168.4	14.5
20°-30°	273.9	23.5
30°-40°	325.5	28.0
40°-50°	266.2	22.9
50°-60°	70.6	6.1
60°-70°	0.4	0.0
70°-80°	0.7	0.1
80°-90°	0.8	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°	499.8	42.9
0°-40°	825.3	70.9
0°-60°	1162.0	99.8
0°-90°	1164.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1164.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	629	629	629	629	629	
5°	1098	979	608	253	146	108
15°	1549	1220	346	6	3	433
25°	1667	1486	40	0	0	785
35°	1882	1181	0	0	0	1170
45°	1670	518	0	0	0	1199
55°	338	0	0	0	0	380
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	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°	629.0	629.0	629.0	629.0	629.0	629.0	629.0	629.0	629.0	629.0	629.0
2.5°	892.6	886.0	887.1	883.8	887.1	872.9	857.6	843.4	832.4	817.1	724.1
5°	1098.2	1087.3	1084.0	1079.6	1075.3	1057.8	1043.6	1026.0	1005.3	979.0	808.4
7.5°	1202.2	1193.4	1189.0	1191.2	1181.4	1174.8	1156.2	1136.5	1114.7	1086.2	871.8
10°	1242.6	1233.9	1232.8	1231.7	1230.6	1226.2	1217.5	1200.0	1180.3	1158.4	907.9
12.5°	1348.7	1329.1	1315.9	1300.6	1282.0	1257.9	1238.3	1222.9	1215.3	1197.8	924.3
15°	1548.9	1530.3	1516.1	1496.4	1461.4	1410.0	1363.0	1302.8	1250.3	1219.7	917.8
17.5°	1649.6	1640.8	1628.8	1615.6	1591.6	1554.4	1506.3	1442.8	1376.1	1289.7	886.0
20°	1679.1	1674.7	1666.0	1660.5	1644.1	1617.8	1585.0	1535.8	1473.4	1388.1	836.8
22.5°	1667.1	1670.3	1674.7	1688.9	1691.1	1672.5	1641.9	1594.9	1531.4	1452.7	761.3
25°	1667.1	1664.9	1664.9	1694.4	1713.0	1704.2	1682.4	1639.7	1575.2	1485.5	668.4
27.5°	1709.7	1696.6	1669.2	1699.9	1730.5	1727.2	1707.5	1657.2	1585.0	1486.6	554.6
30°	1779.7	1751.3	1706.4	1734.9	1763.3	1751.3	1719.6	1655.0	1563.1	1438.4	415.7
32.5°	1857.4	1844.3	1821.3	1839.9	1835.5	1787.4	1730.5	1640.8	1518.3	1342.2	280.0
35°	1881.5	1883.6	1868.3	1865.0	1839.9	1790.7	1730.5	1600.3	1424.2	1181.4	166.3
37.5°	1889.1	1890.2	1866.1	1835.5	1798.3	1740.3	1668.2	1517.2	1250.3	1026.0	88.6
40°	1850.8	1849.7	1810.4	1773.2	1731.6	1674.7	1569.7	1342.2	1085.1	889.3	31.7
42.5°	1793.9	1779.7	1742.5	1696.6	1646.3	1575.2	1411.1	1133.2	942.9	712.1	2.2
45°	1670.3	1657.2	1627.7	1578.5	1522.7	1422.0	1162.8	973.5	766.8	518.5	0.0
47.5°	1270.0	1263.4	1294.0	1300.6	1299.5	1184.7	970.3	794.1	563.3	301.9	0.0
50°	1156.2	1147.5	1116.8	1077.5	1007.5	911.2	777.7	588.5	330.3	96.3	0.0
52.5°	830.2	858.7	865.3	835.7	770.1	674.9	536.0	339.1	114.9	0.0	0.0
55°	338.0	320.5	333.6	350.0	363.2	333.6	247.2	120.3	1.1	0.0	0.0
57.5°	0.0	1.1	6.6	15.3	25.2	31.7	33.9	2.2	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.1	1.1	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
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°	629.0	629.0	629.0	629.0	629.0
2.5°	631.2	533.8	439.7	388.3	363.2
5°	608.2	408.0	252.7	175.0	145.5
7.5°	569.9	280.0	100.6	41.6	29.5
10°	514.1	160.8	27.3	10.9	9.8
12.5°	434.3	73.3	9.8	7.7	7.7
15°	345.7	25.2	5.5	4.4	3.3
17.5°	242.8	6.6	2.2	0.0	0.0
20°	147.7	1.1	0.0	0.0	0.0
22.5°	82.0	0.0	0.0	0.0	0.0
25°	40.5	0.0	0.0	0.0	0.0
27.5°	17.5	0.0	0.0	0.0	0.0
30°	5.5	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	1.1	0.0	0.0	0.0	0.0
65°	1.1	1.1	0.0	0.0	0.0
67.5°	1.1	1.1	0.0	0.0	0.0
70°	1.1	1.1	0.0	0.0	0.0
72.5°	1.1	1.1	0.0	0.0	0.0
75°	1.1	1.1	0.0	0.0	0.0
77.5°	2.2	1.1	1.1	0.0	0.0
80°	2.2	1.1	1.1	0.0	0.0
82.5°	2.2	1.1	1.1	0.0	0.0
85°	1.1	1.1	1.1	0.0	0.0
87.5°	2.2	1.1	1.1	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)