

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: P1317474

Luminaire Tested: P3SQAS20R609830D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317474
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R609830D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

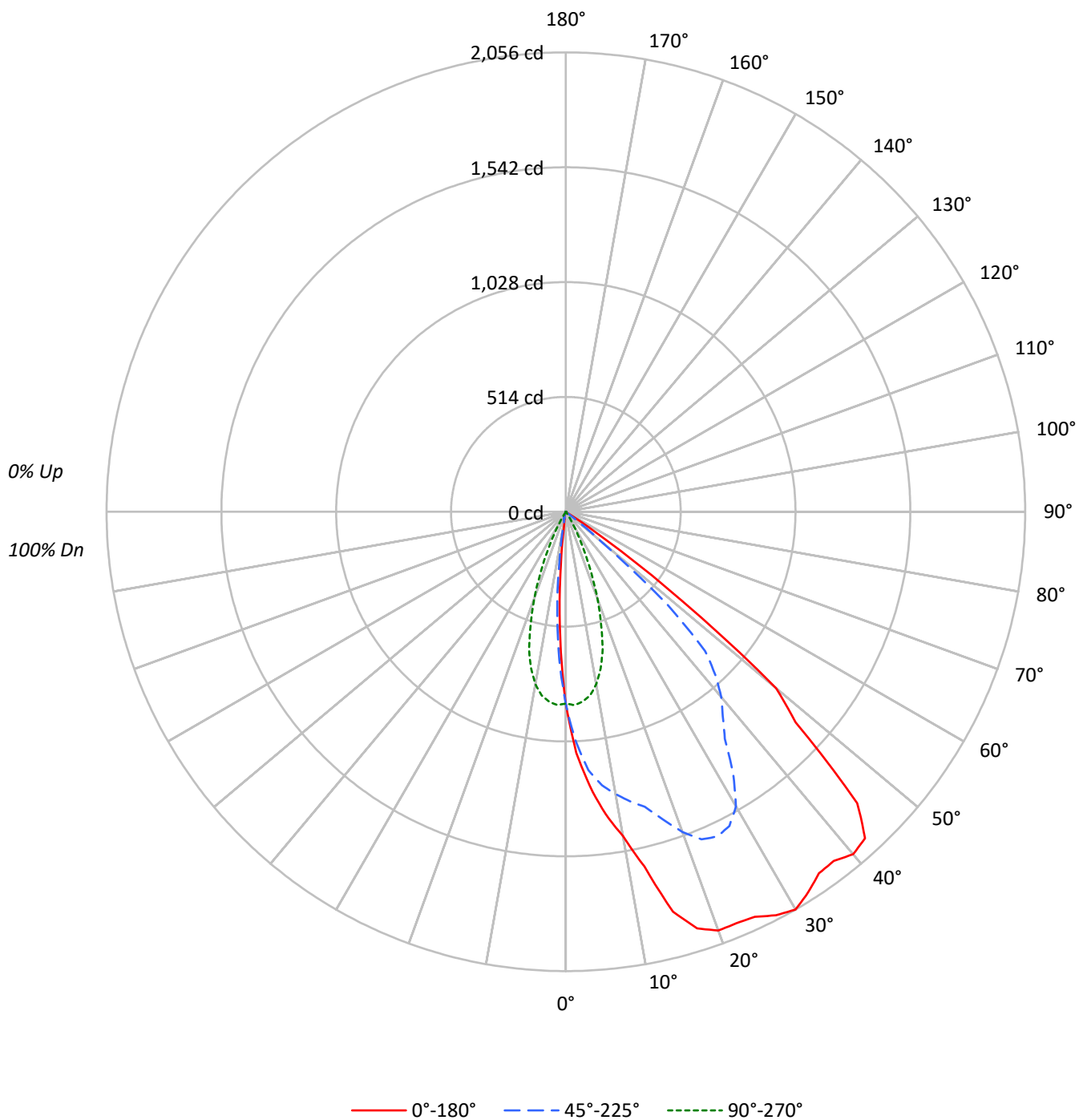
Lumens per Lamp: N/A
Luminaire Lumens: 1395.0 lumens
Efficiency: N/A
Efficacy: 50.9 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	147819	147819	147819	147819	147819
5°	213075	200662	147588	76033	48839
10°	257737	224353	137018	9076	5334
15°	330297	243716	113540	5991	4903
20°	365543	279349	76133	3354	568
25°	380167	304727	37435	285	0
30°	408788	302793	10321	0	0
35°	415171	260725	0	0	0
40°	449776	243099	0	0	0
45°	449343	214625	0	0	0
50°	328992	51979	0	0	0
55°	64196	0	0	0	0
60°	0	0	0	0	0
65°	0	611	611	0	0
70°	0	755	755	0	0
75°	0	998	998	0	0
80°	0	1488	1488	1488	0
85°	0	2964	2964	2964	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 450074 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.7	5.3
10°-20°	209.9	15.0
20°-30°	334.5	24.0
30°-40°	386.7	27.7
40°-50°	307.1	22.0
50°-60°	80.8	5.8
60°-70°	0.6	0.0
70°-80°	0.8	0.1
80°-90°	0.9	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°	618.1	44.3
0°-40°	1004.8	72.0
0°-60°	1392.7	99.8
0°-90°	1395.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1395.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	858	858	858	858	858	
5°	1232	1161	854	440	282	124
15°	1852	1367	637	34	28	516
25°	2001	1604	197	2	0	933
35°	1975	1240	0	0	0	1254
45°	1845	881	0	0	0	1314
55°	214	0	0	0	0	322
65°	0	2	2	0	0	0
75°	0	2	2	0	0	0
85°	0	2	2	2	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°	50°
0°	858.3	858.3	858.3	858.3	858.3	858.3	858.3	858.3	858.3	858.3	858.3
2.5°	1079.7	1090.4	1085.8	1081.3	1070.6	1066.0	1066.0	1053.8	1033.9	1030.9	1017.1
5°	1232.5	1235.5	1235.5	1232.5	1224.8	1212.6	1209.6	1197.3	1179.0	1160.7	1142.4
7.5°	1365.3	1363.8	1354.6	1348.5	1334.8	1318.0	1302.7	1285.9	1258.4	1234.0	1208.0
10°	1473.8	1478.3	1470.7	1455.4	1437.1	1414.2	1389.8	1360.7	1319.5	1282.9	1249.3
12.5°	1626.5	1625.0	1605.1	1579.1	1534.8	1492.1	1453.9	1421.8	1371.4	1327.1	1285.9
15°	1852.5	1849.5	1831.1	1808.2	1744.1	1679.9	1614.3	1524.2	1440.2	1366.9	1308.8
17.5°	1954.8	1960.9	1945.7	1933.5	1896.8	1854.0	1796.0	1705.9	1576.1	1443.2	1321.0
20°	1994.5	2002.2	1991.5	1990.0	1973.2	1953.3	1906.0	1808.2	1681.5	1524.2	1373.0
22.5°	1993.0	1999.1	1994.5	2014.4	2034.2	2023.6	1965.5	1867.8	1738.0	1586.8	1415.7
25°	2000.6	1996.1	1979.3	2008.3	2037.3	2028.1	1999.1	1915.1	1773.1	1603.6	1431.0
27.5°	2035.8	2002.2	1968.6	2005.2	2019.0	2022.0	2005.2	1906.0	1767.0	1585.2	1400.5
30°	2055.6	2019.0	1991.5	2022.0	2022.0	2038.8	2003.7	1890.7	1715.1	1522.6	1319.5
32.5°	2019.0	2011.3	2035.8	2066.3	2074.0	2074.0	1996.1	1840.3	1628.0	1394.3	1189.7
35°	1974.7	1993.0	2063.3	2077.0	2077.0	2043.4	1948.7	1751.7	1498.2	1240.1	1093.5
37.5°	1970.1	1999.1	2077.0	2060.2	2032.7	1970.1	1832.7	1597.5	1313.4	1153.0	1021.7
40°	2000.6	2028.1	2074.0	2012.9	1947.2	1849.5	1684.5	1395.9	1201.9	1081.3	934.7
42.5°	1982.3	2008.3	2009.8	1919.7	1826.5	1693.7	1475.3	1232.5	1121.0	989.6	835.4
45°	1844.9	1847.9	1841.8	1745.6	1649.4	1511.9	1279.8	1151.5	1032.4	881.2	613.9
47.5°	1394.3	1388.2	1411.1	1383.7	1388.2	1305.8	1162.2	1056.8	914.8	618.5	186.3
50°	1227.9	1220.2	1197.3	1172.9	1148.5	1108.8	1041.6	928.5	659.8	194.0	6.1
52.5°	658.2	694.9	766.7	876.6	917.9	914.8	864.4	687.2	207.7	1.5	0.0
55°	213.8	210.8	235.2	278.0	381.8	439.8	458.2	233.7	4.6	0.0	0.0
57.5°	0.0	0.0	0.0	4.6	15.3	39.7	51.9	3.1	0.0	1.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	858.3	858.3	858.3	858.3	858.3	858.3	858.3	858.3
2.5°	998.8	977.4	953.0	865.9	763.6	664.3	592.6	574.2
5°	1113.3	1076.7	1024.8	853.7	630.7	439.8	314.6	282.5
7.5°	1172.9	1140.8	1085.8	829.3	488.7	216.9	80.9	55.0
10°	1209.6	1171.4	1110.3	783.5	319.2	51.9	29.0	30.5
12.5°	1235.5	1191.2	1122.5	717.8	161.9	26.0	36.7	38.2
15°	1246.2	1198.9	1121.0	636.8	58.0	33.6	32.1	27.5
17.5°	1240.1	1180.5	1101.1	520.8	19.9	32.1	16.8	13.7
20°	1232.5	1165.3	1069.0	415.4	16.8	18.3	6.1	3.1
22.5°	1256.9	1139.3	1024.8	297.8	16.8	6.1	0.0	0.0
25°	1259.9	1128.6	968.3	197.0	7.6	1.5	0.0	0.0
27.5°	1229.4	1066.0	881.2	116.1	0.0	0.0	0.0	0.0
30°	1131.7	988.1	788.0	51.9	0.0	0.0	0.0	0.0
32.5°	1035.4	901.1	684.2	12.2	0.0	0.0	0.0	0.0
35°	959.1	810.9	569.7	0.0	0.0	0.0	0.0	0.0
37.5°	864.4	704.0	424.6	0.0	0.0	0.0	0.0	0.0
40°	765.1	568.1	212.3	0.0	0.0	0.0	0.0	0.0
42.5°	597.1	270.3	21.4	0.0	0.0	0.0	0.0	0.0
45°	229.1	24.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
65°	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
67.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
70°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
72.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
75°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
77.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
80°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0
82.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
85°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)