

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: P1312807

Luminaire Tested: P3SQAS20R609727D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312807
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: P3SQAS20R609727D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

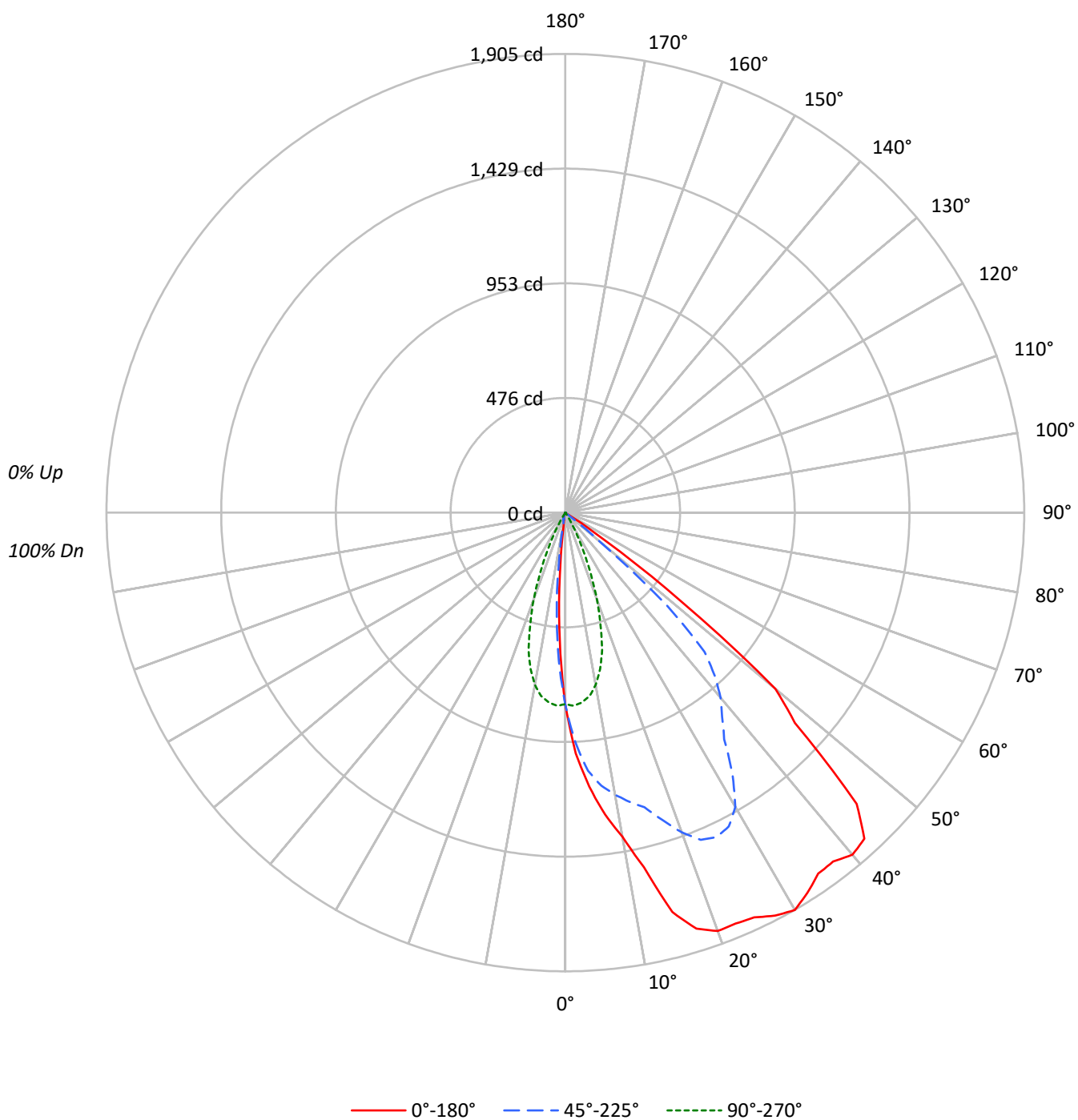
Lumens per Lamp: N/A
Luminaire Lumens: 1293.0 lumens
Efficiency: N/A
Efficacy: 44.9 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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



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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°	137003	137003	137003	137003	137003
5°	197481	185985	136800	70483	45277
10°	238885	207949	126997	8412	4949
15°	306155	225886	105249	5545	4547
20°	338821	258913	70561	3116	513
25°	352385	282437	34699	266	0
30°	378899	280659	9565	0	0
35°	384811	241656	0	0	0
40°	416907	225315	0	0	0
45°	416487	198939	0	0	0
50°	304932	48174	0	0	0
55°	59512	0	0	0	0
60°	0	0	0	0	0
65°	0	571	571	0	0
70°	0	705	705	0	0
75°	0	932	932	0	0
80°	0	1389	1389	1389	0
85°	0	2766	2766	2766	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 417169 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	5.3
10°-20°	194.6	15.0
20°-30°	310.1	24.0
30°-40°	358.4	27.7
40°-50°	284.6	22.0
50°-60°	74.9	5.8
60°-70°	0.5	0.0
70°-80°	0.8	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°	572.9	44.3
0°-40°	931.3	72.0
0°-60°	1290.9	99.8
0°-90°	1293.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1293.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	796	796	796	796	796	
5°	1142	1076	791	408	262	115
15°	1717	1267	590	31	26	479
25°	1854	1486	183	1	0	865
35°	1830	1149	0	0	0	1163
45°	1710	817	0	0	0	1218
55°	198	0	0	0	0	299
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°	50°
0°	795.5	795.5	795.5	795.5	795.5	795.5	795.5	795.5	795.5	795.5	795.5
2.5°	1000.8	1010.7	1006.5	1002.2	992.3	988.1	988.1	976.7	958.3	955.5	942.8
5°	1142.3	1145.2	1145.2	1142.3	1135.3	1123.9	1121.1	1109.8	1092.8	1075.8	1058.8
7.5°	1265.5	1264.1	1255.6	1249.9	1237.2	1221.6	1207.5	1191.9	1166.4	1143.8	1119.7
10°	1366.0	1370.2	1363.2	1349.0	1332.0	1310.8	1288.1	1261.3	1223.0	1189.1	1157.9
12.5°	1507.6	1506.1	1487.7	1463.7	1422.6	1383.0	1347.6	1317.9	1271.2	1230.1	1191.9
15°	1717.1	1714.2	1697.2	1676.0	1616.6	1557.1	1496.2	1412.7	1334.9	1266.9	1213.1
17.5°	1811.9	1817.6	1803.4	1792.1	1758.1	1718.5	1664.7	1581.2	1460.8	1337.7	1224.4
20°	1848.7	1855.8	1845.9	1844.5	1828.9	1810.5	1766.6	1676.0	1558.5	1412.7	1272.6
22.5°	1847.3	1852.9	1848.7	1867.1	1885.5	1875.6	1821.8	1731.2	1610.9	1470.8	1312.2
25°	1854.4	1850.1	1834.5	1861.4	1888.3	1879.8	1852.9	1775.1	1643.4	1486.3	1326.4
27.5°	1886.9	1855.8	1824.6	1858.6	1871.4	1874.2	1858.6	1766.6	1637.8	1469.3	1298.1
30°	1905.3	1871.4	1845.9	1874.2	1874.2	1889.8	1857.2	1752.4	1589.7	1411.3	1223.0
32.5°	1871.4	1864.3	1886.9	1915.2	1922.3	1922.3	1850.1	1705.7	1509.0	1292.4	1102.7
35°	1830.3	1847.3	1912.4	1925.1	1925.1	1894.0	1806.2	1623.6	1388.6	1149.4	1013.5
37.5°	1826.1	1852.9	1925.1	1909.6	1884.1	1826.1	1698.7	1480.7	1217.4	1068.7	947.0
40°	1854.4	1879.8	1922.3	1865.7	1804.8	1714.2	1561.3	1293.8	1114.0	1002.2	866.3
42.5°	1837.4	1861.4	1862.9	1779.3	1693.0	1569.8	1367.4	1142.3	1039.0	917.3	774.3
45°	1710.0	1712.8	1707.1	1618.0	1528.8	1401.4	1186.2	1067.3	956.9	816.8	569.0
47.5°	1292.4	1286.7	1308.0	1282.5	1286.7	1210.3	1077.2	979.6	847.9	573.3	172.7
50°	1138.1	1131.0	1109.8	1087.1	1064.5	1027.7	965.4	860.7	611.5	179.8	5.7
52.5°	610.1	644.1	710.6	812.5	850.7	847.9	801.2	637.0	192.5	1.4	0.0
55°	198.2	195.3	218.0	257.6	353.9	407.7	424.7	216.6	4.2	0.0	0.0
57.5°	0.0	0.0	0.0	4.2	14.2	36.8	48.1	2.8	0.0	1.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
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°	795.5	795.5	795.5	795.5	795.5	795.5	795.5	795.5
2.5°	925.8	905.9	883.3	802.6	707.8	615.8	549.2	532.2
5°	1031.9	998.0	949.8	791.3	584.6	407.7	291.6	261.9
7.5°	1087.1	1057.4	1006.5	768.6	453.0	201.0	75.0	51.0
10°	1121.1	1085.7	1029.1	726.2	295.8	48.1	26.9	28.3
12.5°	1145.2	1104.1	1040.4	665.3	150.0	24.1	34.0	35.4
15°	1155.1	1111.2	1039.0	590.3	53.8	31.1	29.7	25.5
17.5°	1149.4	1094.2	1020.6	482.7	18.4	29.7	15.6	12.7
20°	1142.3	1080.1	990.9	385.0	15.6	17.0	5.7	2.8
22.5°	1165.0	1056.0	949.8	276.0	15.6	5.7	0.0	0.0
25°	1167.8	1046.1	897.5	182.6	7.1	1.4	0.0	0.0
27.5°	1139.5	988.1	816.8	107.6	0.0	0.0	0.0	0.0
30°	1048.9	915.9	730.4	48.1	0.0	0.0	0.0	0.0
32.5°	959.7	835.2	634.2	11.3	0.0	0.0	0.0	0.0
35°	889.0	751.7	528.0	0.0	0.0	0.0	0.0	0.0
37.5°	801.2	652.6	393.5	0.0	0.0	0.0	0.0	0.0
40°	709.2	526.6	196.8	0.0	0.0	0.0	0.0	0.0
42.5°	553.5	250.6	19.8	0.0	0.0	0.0	0.0	0.0
45°	212.3	22.6	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	11.3	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°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
65°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
67.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
70°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
72.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
75°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
77.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
80°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0
82.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
85°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)