

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: P1310771

Luminaire Tested: P3SQAS24R709040D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R709040D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

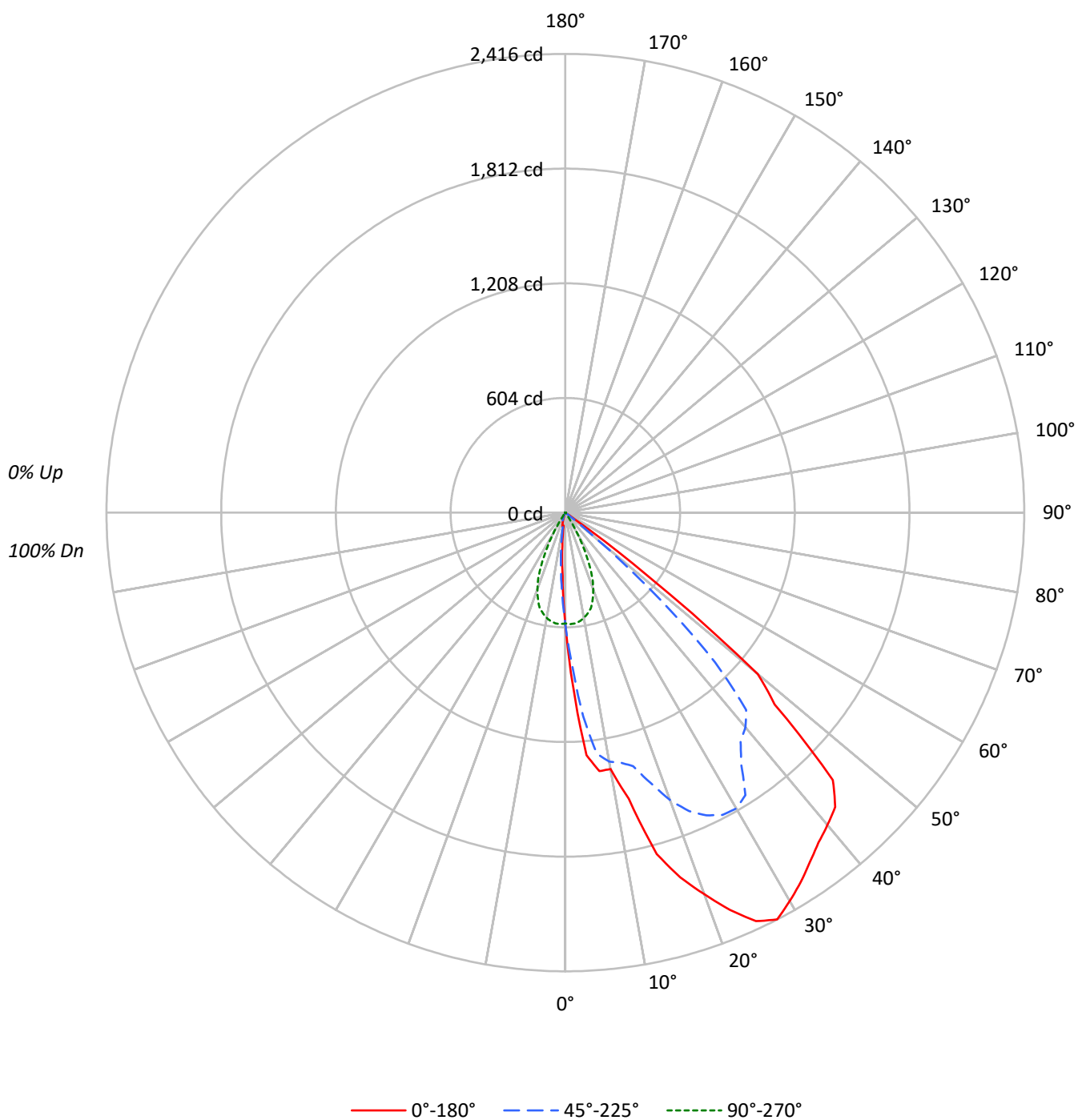
Lumens per Lamp: N/A
Luminaire Lumens: 1572.0 lumens
Efficiency: N/A
Efficacy: 54.6 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82		
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48		
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	100475	100475	100475	100475	100475
5°	221667	186002	101239	46021	30289
10°	239742	232765	98545	12801	13186
15°	331848	246408	92947	13051	9485
20°	391935	295165	78882	7716	2841
25°	451047	334276	55640	1273	0
30°	469820	357779	25594	0	0
35°	472000	339062	1409	0	0
40°	482780	331655	0	0	0
45°	485195	271764	0	0	0
50°	354231	56453	0	0	0
55°	19997	0	0	0	0
60°	0	758	758	0	0
65°	0	0	897	0	0
70°	0	1108	1108	0	0
75°	0	1464	1464	0	0
80°	0	2182	2182	2182	0
85°	0	4347	4347	4347	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 494377 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	4.1
10°-20°	213.1	13.6
20°-30°	383.1	24.4
30°-40°	465.7	29.6
40°-50°	359.6	22.9
50°-60°	83.7	5.3
60°-70°	0.5	0.0
70°-80°	1.2	0.1
80°-90°	1.2	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°	660.1	42.0
0°-40°	1125.8	71.6
0°-60°	1569.1	99.8
0°-90°	1572.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1572.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	583	583	583	583	583	
5°	1282	1076	586	266	175	121
15°	1861	1382	521	73	53	520
25°	2374	1759	293	7	0	1080
35°	2245	1613	7	0	0	1410
45°	1992	1116	0	0	0	1408
55°	67	0	0	0	0	273
65°	0	0	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°	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4
2.5°	909.5	909.5	914.0	911.7	891.8	882.9	854.1	838.5	834.1	798.6	785.3
5°	1282.2	1284.4	1273.3	1271.1	1248.9	1233.4	1209.0	1171.3	1133.6	1075.9	1024.9
7.5°	1373.2	1370.9	1368.7	1368.7	1364.3	1355.4	1344.3	1333.2	1317.7	1282.2	1242.3
10°	1370.9	1370.9	1368.7	1368.7	1366.5	1368.7	1366.5	1359.8	1353.2	1331.0	1308.8
12.5°	1544.0	1530.7	1512.9	1486.3	1441.9	1408.6	1370.9	1359.8	1355.4	1348.8	1335.4
15°	1861.2	1850.1	1812.4	1765.8	1721.4	1646.0	1586.1	1504.0	1439.7	1382.0	1353.2
17.5°	2014.3	2020.9	1978.8	1949.9	1907.8	1847.9	1776.9	1692.6	1601.6	1492.9	1406.4
20°	2138.5	2145.1	2109.6	2080.8	2032.0	1969.9	1907.8	1816.8	1730.3	1610.5	1497.4
22.5°	2264.9	2269.4	2236.1	2193.9	2138.5	2074.2	1994.3	1901.1	1807.9	1701.5	1581.7
25°	2373.6	2369.2	2313.7	2253.8	2200.6	2131.8	2054.2	1963.2	1874.5	1759.1	1646.0
27.5°	2415.8	2413.6	2351.4	2293.8	2231.7	2138.5	2069.7	1989.9	1896.7	1794.6	1679.3
30°	2362.5	2398.0	2358.1	2316.0	2240.5	2147.4	2080.8	1985.4	1898.9	1799.1	1668.2
32.5°	2307.1	2351.4	2338.1	2318.2	2229.4	2156.2	2069.7	1981.0	1878.9	1763.6	1563.9
35°	2245.0	2291.5	2293.8	2271.6	2191.7	2118.5	2038.7	1945.5	1830.1	1612.7	1466.3
37.5°	2189.5	2233.9	2247.2	2200.6	2138.5	2040.9	1967.7	1870.1	1661.5	1515.1	1439.7
40°	2147.4	2180.6	2200.6	2127.4	2065.3	1969.9	1885.6	1714.8	1526.2	1475.2	1368.7
42.5°	2103.0	2134.0	2142.9	2063.1	1967.7	1876.7	1754.7	1539.5	1484.1	1408.6	1122.5
45°	1992.1	2029.8	2007.6	1930.0	1859.0	1763.6	1581.7	1488.5	1428.6	1115.8	689.9
47.5°	1495.2	1537.3	1597.2	1619.4	1643.8	1575.0	1475.2	1441.9	1173.5	676.6	215.2
50°	1322.1	1315.5	1315.5	1326.6	1346.5	1368.7	1397.6	1215.7	705.4	210.7	0.0
52.5°	539.1	565.7	696.6	814.1	949.5	1084.8	1126.9	745.4	275.1	4.4	0.0
55°	66.6	66.6	93.2	159.7	264.0	425.9	479.2	239.6	20.0	0.0	0.0
57.5°	0.0	0.0	0.0	2.2	17.7	48.8	33.3	8.9	2.2	2.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
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°	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4
2.5°	763.1	736.5	698.8	587.9	492.5	408.2	359.4	335.0
5°	976.1	911.7	825.2	585.6	399.3	266.2	199.7	175.2
7.5°	1180.2	1107.0	960.5	576.8	306.1	155.3	86.5	68.8
10°	1268.9	1215.7	1084.8	563.5	221.8	73.2	73.2	75.4
12.5°	1304.4	1264.5	1158.0	543.5	146.4	71.0	75.4	71.0
15°	1328.8	1291.1	1193.5	521.3	84.3	73.2	59.9	53.2
17.5°	1342.1	1297.7	1204.6	479.2	55.5	62.1	37.7	31.1
20°	1384.2	1313.3	1213.4	430.4	53.2	42.1	20.0	15.5
22.5°	1455.2	1344.3	1215.7	370.5	42.1	24.4	6.7	0.0
25°	1519.6	1386.5	1222.3	292.8	13.3	6.7	0.0	0.0
27.5°	1550.6	1399.8	1220.1	206.3	0.0	0.0	0.0	0.0
30°	1512.9	1366.5	1200.1	128.7	0.0	0.0	0.0	0.0
32.5°	1424.2	1342.1	1138.0	55.5	0.0	0.0	0.0	0.0
35°	1395.3	1288.9	996.0	6.7	0.0	0.0	0.0	0.0
37.5°	1331.0	1135.8	732.1	0.0	0.0	0.0	0.0	0.0
40°	1144.7	820.8	348.3	0.0	0.0	0.0	0.0	0.0
42.5°	756.5	350.5	20.0	0.0	0.0	0.0	0.0	0.0
45°	266.2	22.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4.4	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°	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.2	2.2	0.0	0.0	0.0	0.0
67.5°	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
70°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0
72.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0
75°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0
77.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0
80°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0
85°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0
87.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)