

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: P1309494

Luminaire Tested: P3SQAS20R609035D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309494
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: P3SQAS20R609035D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

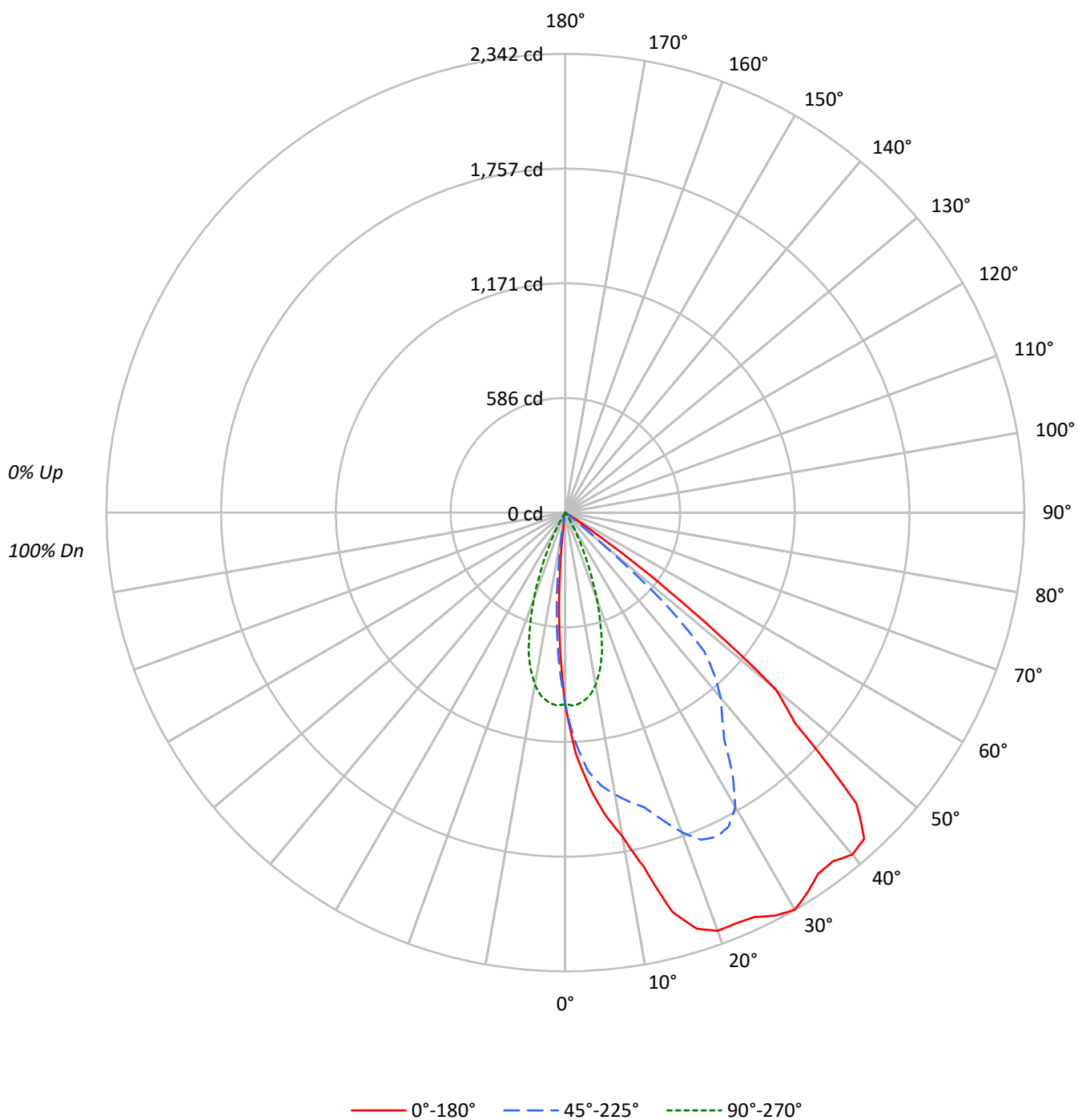
Lumens per Lamp: N/A
Luminaire Lumens: 1588.9 lumens
Efficiency: N/A
Efficacy: 55.2 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
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°	168382	168382	168382	168382	168382
5°	242707	228565	168109	86613	55633
10°	293570	255551	156062	10335	6086
15°	376227	277592	129337	6829	5581
20°	416384	318185	86726	3830	641
25°	433052	347103	42642	323	0
30°	465644	344912	11753	0	0
35°	472904	296992	0	0	0
40°	512344	276889	0	0	0
45°	511816	244461	0	0	0
50°	374728	59186	0	0	0
55°	73114	0	0	0	0
60°	0	0	0	0	0
65°	0	693	693	0	0
70°	0	856	856	0	0
75°	0	1131	1131	0	0
80°	0	1686	1686	1686	0
85°	0	3359	3359	3359	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 512669 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.9	5.3
10°-20°	239.1	15.0
20°-30°	381.0	24.0
30°-40°	440.4	27.7
40°-50°	349.8	22.0
50°-60°	92.1	5.8
60°-70°	0.6	0.0
70°-80°	1.0	0.1
80°-90°	1.0	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°	704.1	44.3
0°-40°	1144.5	72.0
0°-60°	1586.4	99.8
0°-90°	1588.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1588.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	978	978	978	978	978	
5°	1404	1322	972	501	322	142
15°	2110	1557	725	38	31	588
25°	2279	1827	224	2	0	1063
35°	2249	1413	0	0	0	1429
45°	2101	1004	0	0	0	1496
55°	244	0	0	0	0	367
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°	977.7	977.7	977.7	977.7	977.7	977.7	977.7	977.7	977.7	977.7	977.7
2.5°	1229.9	1242.1	1236.9	1231.6	1219.5	1214.2	1214.2	1200.3	1177.7	1174.2	1158.6
5°	1403.9	1407.3	1407.3	1403.9	1395.2	1381.2	1377.8	1363.8	1343.0	1322.1	1301.2
7.5°	1555.2	1553.5	1543.0	1536.1	1520.4	1501.3	1483.9	1464.7	1433.4	1405.6	1376.0
10°	1678.7	1683.9	1675.2	1657.8	1637.0	1610.9	1583.0	1550.0	1503.0	1461.3	1423.0
12.5°	1852.7	1850.9	1828.3	1798.7	1748.3	1699.6	1656.1	1619.6	1562.2	1511.7	1464.7
15°	2110.1	2106.7	2085.8	2059.7	1986.6	1913.6	1838.8	1736.1	1640.4	1556.9	1490.8
17.5°	2226.7	2233.6	2216.2	2202.3	2160.6	2111.9	2045.8	1943.1	1795.3	1643.9	1504.8
20°	2271.9	2280.6	2268.4	2266.7	2247.6	2224.9	2171.0	2059.7	1915.3	1736.1	1563.9
22.5°	2270.2	2277.1	2271.9	2294.5	2317.1	2305.0	2238.9	2127.5	1979.7	1807.4	1612.6
25°	2278.9	2273.7	2254.5	2287.6	2320.6	2310.2	2277.1	2181.5	2019.7	1826.6	1630.0
27.5°	2318.9	2280.6	2242.3	2284.1	2299.7	2303.2	2284.1	2171.0	2012.7	1805.7	1595.2
30°	2341.5	2299.7	2268.4	2303.2	2303.2	2322.4	2282.4	2153.6	1953.6	1734.4	1503.0
32.5°	2299.7	2291.1	2318.9	2353.7	2362.4	2362.4	2273.7	2096.2	1854.4	1588.3	1355.1
35°	2249.3	2270.2	2350.2	2365.9	2365.9	2327.6	2219.7	1995.3	1706.5	1412.6	1245.6
37.5°	2244.1	2277.1	2365.9	2346.7	2315.4	2244.1	2087.5	1819.6	1496.1	1313.4	1163.8
40°	2278.9	2310.2	2362.4	2292.8	2218.0	2106.7	1918.8	1590.0	1369.1	1231.6	1064.6
42.5°	2258.0	2287.6	2289.3	2186.7	2080.6	1929.2	1680.5	1403.9	1276.9	1127.3	951.6
45°	2101.4	2104.9	2098.0	1988.4	1878.8	1722.2	1457.8	1311.7	1176.0	1003.7	699.3
47.5°	1588.3	1581.3	1607.4	1576.1	1581.3	1487.4	1323.8	1203.8	1042.0	704.5	212.2
50°	1398.6	1389.9	1363.8	1336.0	1308.2	1262.9	1186.4	1057.7	751.5	220.9	7.0
52.5°	749.8	791.5	873.3	998.5	1045.5	1042.0	984.6	782.8	236.6	1.7	0.0
55°	243.5	240.1	267.9	316.6	434.9	501.0	521.9	266.2	5.2	0.0	0.0
57.5°	0.0	0.0	0.0	5.2	17.4	45.2	59.1	3.5	0.0	1.7	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
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°	977.7	977.7	977.7	977.7	977.7	977.7	977.7	977.7
2.5°	1137.7	1113.3	1085.5	986.4	869.8	756.7	675.0	654.1
5°	1268.2	1226.4	1167.3	972.4	718.5	501.0	358.4	321.8
7.5°	1336.0	1299.5	1236.9	944.6	556.7	247.0	92.2	62.6
10°	1377.8	1334.3	1264.7	892.4	363.6	59.1	33.1	34.8
12.5°	1407.3	1356.9	1278.6	817.6	184.4	29.6	41.8	43.5
15°	1419.5	1365.6	1276.9	725.4	66.1	38.3	36.5	31.3
17.5°	1412.6	1344.7	1254.3	593.2	22.6	36.5	19.1	15.7
20°	1403.9	1327.3	1217.7	473.2	19.1	20.9	7.0	3.5
22.5°	1431.7	1297.7	1167.3	339.2	19.1	7.0	0.0	0.0
25°	1435.2	1285.6	1102.9	224.4	8.7	1.7	0.0	0.0
27.5°	1400.4	1214.2	1003.7	132.2	0.0	0.0	0.0	0.0
30°	1289.0	1125.5	897.6	59.1	0.0	0.0	0.0	0.0
32.5°	1179.4	1026.4	779.3	13.9	0.0	0.0	0.0	0.0
35°	1092.5	923.7	648.9	0.0	0.0	0.0	0.0	0.0
37.5°	984.6	802.0	483.6	0.0	0.0	0.0	0.0	0.0
40°	871.5	647.1	241.8	0.0	0.0	0.0	0.0	0.0
42.5°	680.2	307.9	24.4	0.0	0.0	0.0	0.0	0.0
45°	260.9	27.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	13.9	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°	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
65°	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
67.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
70°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
72.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
75°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
77.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
80°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0
82.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
85°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)