

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: P1306733

Luminaire Tested: P3SQAS09R359027DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R359027DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

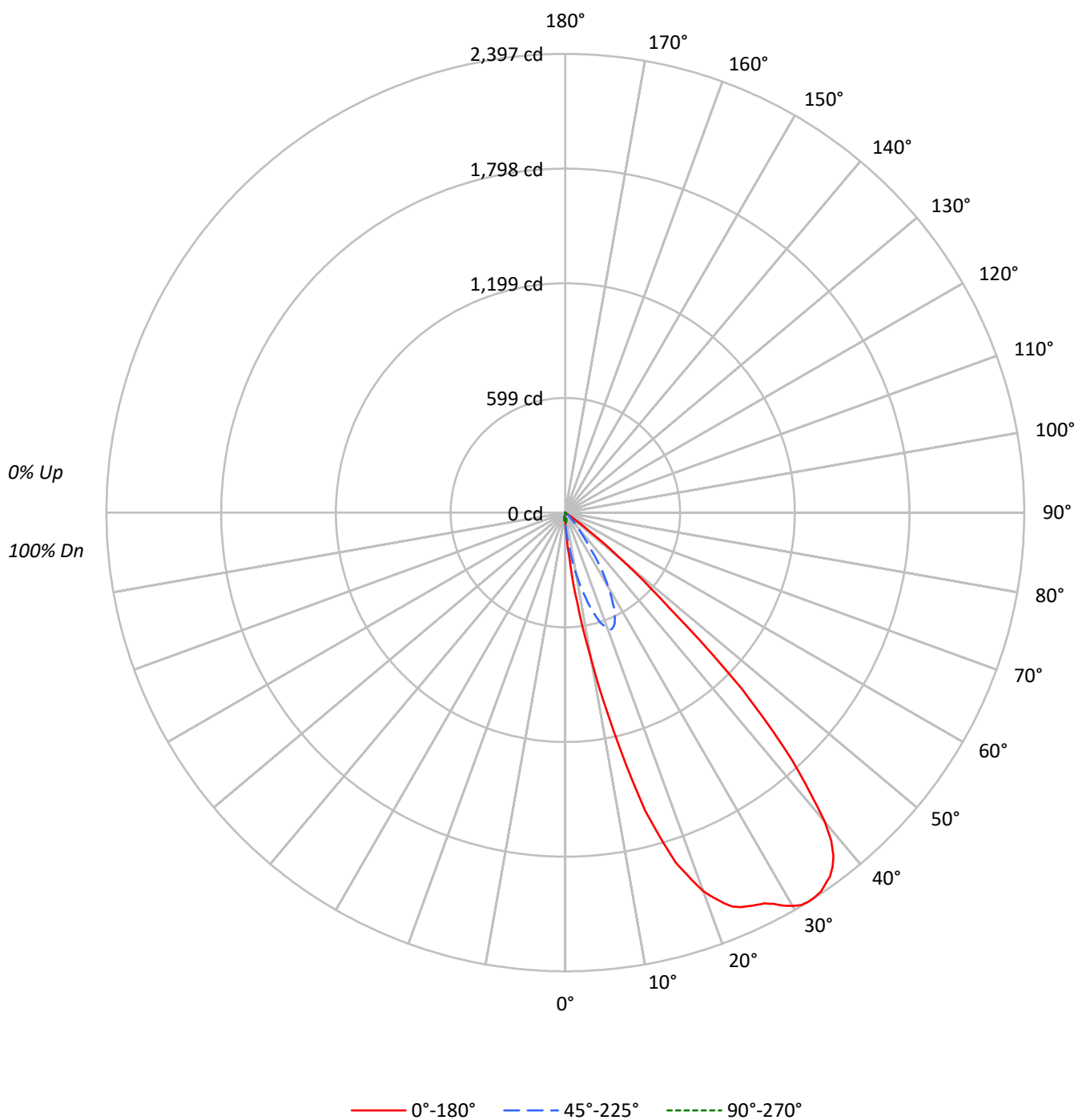
Lumens per Lamp: N/A
Luminaire Lumens: 716.0 lumens
Efficiency: N/A
Efficacy: 64.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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

TEST NUMBER: P1306733

CATALOG NUMBER: P3SQAS09R359027DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1306733

CATALOG NUMBER: P3SQAS09R359027DE010 E3SQCA301MB

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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9300	9300	9300	9300	9300
5°	40385	25033	8627	3077	2126
10°	135934	56504	6453	717	245
15°	287666	92679	4012	0	0
20°	385703	118433	1869	0	0
25°	431075	116296	380	0	0
30°	471908	89112	0	0	0
35°	498049	48546	0	0	0
40°	473450	21808	0	0	0
45°	317772	9645	0	0	0
50°	106154	911	0	0	0
55°	5735	0	0	0	0
60°	0	0	241	0	0
65°	0	0	571	0	0
70°	0	352	705	0	0
75°	0	466	932	0	0
80°	0	694	1389	0	0
85°	0	1383	2766	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 317772 cd/sqm

TEST NUMBER: P1306733

CATALOG NUMBER: P3SQAS09R359027DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	1.6
10°-20°	99.3	13.9
20°-30°	218.0	30.4
30°-40°	252.1	35.2
40°-50°	124.5	17.4
50°-60°	9.2	1.3
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.5	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°	328.9	45.9
0°-40°	581.0	81.1
0°-60°	714.7	99.8
0°-90°	716.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	716.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	54	54	54	54	54	
5°	234	145	50	18	12	40
15°	1613	520	22	0	0	455
25°	2268	612	2	0	0	1049
35°	2369	231	0	0	0	1463
45°	1305	40	0	0	0	958
55°	19	0	0	0	0	78
65°	0	0	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1306733

CATALOG NUMBER: P3SQAS09R359027DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
2.5°	107.2	110.0	108.6	108.6	107.9	104.5	98.4	96.3	88.8	70.4	54.6
5°	233.6	234.3	232.2	222.0	213.1	204.9	187.2	179.0	144.8	86.1	49.9
7.5°	474.0	463.8	450.8	436.5	405.1	376.4	338.8	299.2	224.0	99.7	44.4
10°	777.3	763.0	752.1	717.9	661.2	602.5	530.7	465.8	323.1	109.3	36.9
12.5°	1168.7	1160.5	1121.6	1053.3	969.3	884.6	759.6	656.4	422.8	111.3	30.1
15°	1613.4	1599.7	1540.3	1443.3	1329.2	1196.0	1028.7	855.2	519.8	105.2	22.5
17.5°	1917.4	1909.8	1858.6	1756.8	1625.7	1456.3	1258.2	1041.7	599.7	92.2	15.7
20°	2104.5	2093.6	2045.8	1959.7	1822.4	1645.5	1410.5	1160.5	646.2	75.8	10.2
21°	2153.0	2142.1	2103.8	2014.4	1883.2	1693.3	1452.2	1189.2	655.1	68.3	8.2
22°	2198.8	2187.9	2147.6	2068.3	1938.5	1740.4	1485.0	1211.1	653.7	62.2	6.1
23°	2237.0	2225.4	2185.8	2112.7	1982.3	1782.1	1509.6	1222.0	644.8	56.0	4.8
24°	2256.8	2250.0	2214.5	2145.5	2017.8	1811.5	1526.6	1226.1	633.9	49.9	3.4
25°	2268.5	2260.3	2225.4	2161.9	2041.0	1834.7	1537.6	1222.7	612.0	44.4	2.0
26°	2280.7	2268.5	2228.8	2167.4	2053.3	1845.6	1538.3	1213.8	588.8	39.6	0.7
27°	2291.7	2280.1	2239.1	2171.5	2055.3	1842.2	1532.8	1196.7	560.8	34.8	0.7
28°	2315.6	2302.6	2255.5	2180.3	2057.4	1833.3	1515.7	1173.5	523.9	30.7	0.0
29°	2347.0	2333.3	2279.4	2201.5	2062.2	1823.8	1492.5	1142.8	491.8	27.3	0.0
30°	2373.0	2360.7	2310.8	2228.2	2074.5	1814.9	1465.2	1101.1	448.1	23.2	0.0
31°	2392.1	2379.8	2334.0	2250.7	2085.4	1806.7	1431.0	1058.1	408.5	20.5	0.0
32°	2396.9	2386.6	2343.6	2260.3	2085.4	1794.4	1399.6	1009.6	369.5	17.1	0.0
33°	2394.8	2384.6	2340.9	2253.4	2067.0	1765.0	1361.3	951.5	325.1	15.0	0.0
34°	2387.3	2375.0	2328.6	2231.6	2030.7	1715.2	1306.0	893.4	278.7	12.3	0.0
35°	2368.9	2357.9	2307.4	2190.6	1974.7	1639.4	1232.2	826.5	230.9	10.2	0.0
36°	2351.1	2334.7	2272.6	2140.0	1901.0	1561.5	1144.1	749.3	189.9	8.2	0.0
37°	2318.3	2295.1	2232.3	2067.0	1796.5	1451.5	1043.7	664.6	159.2	6.1	0.0
38°	2274.6	2243.2	2163.3	1982.3	1691.3	1348.4	949.5	588.1	133.9	4.1	0.0
39°	2207.0	2170.1	2061.5	1866.1	1569.7	1228.8	841.5	506.8	114.1	2.7	0.0
40°	2105.9	2071.0	1950.8	1728.2	1448.8	1097.0	730.9	415.3	97.0	1.4	0.0
42.5°	1753.4	1705.6	1566.3	1345.0	1071.0	788.9	483.6	230.9	64.2	0.0	0.0
45°	1304.7	1262.3	1125.7	924.2	713.8	482.9	258.9	135.9	39.6	0.0	0.0
47.5°	737.0	732.2	643.4	530.7	398.2	256.8	131.1	82.0	17.1	0.0	0.0
50°	396.2	371.6	320.4	243.2	166.0	112.0	71.0	45.1	3.4	0.0	0.0
52.5°	144.8	140.0	117.5	97.7	75.1	51.2	36.2	19.8	0.0	0.0	0.0
55°	19.1	17.8	18.4	19.8	20.5	17.8	11.6	4.1	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.7	1.4	1.4	1.4	0.0	0.0	0.0	0.7
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	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):

	112.5°	135°	157.5°	180°
0°	54.0	54.0	54.0	54.0
2.5°	41.7	32.1	27.3	26.6
5°	28.7	17.8	13.0	12.3
7.5°	19.8	8.9	6.1	5.5
10°	11.6	4.1	2.0	1.4
12.5°	6.8	0.7	0.0	0.0
15°	2.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.7	0.0	0.0	0.0
67.5°	0.7	0.0	0.0	0.0
70°	0.7	0.0	0.0	0.0
72.5°	0.7	0.0	0.0	0.0
75°	0.7	0.0	0.0	0.0
77.5°	0.7	0.0	0.0	0.0
80°	0.7	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.7	0.0	0.0	0.0
85°	0.7	0.0	0.0	0.0
87.5°	0.7	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)