

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: P1316254

Luminaire Tested: P3SQAS13R359827DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316254
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: P3SQAS13R359827DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

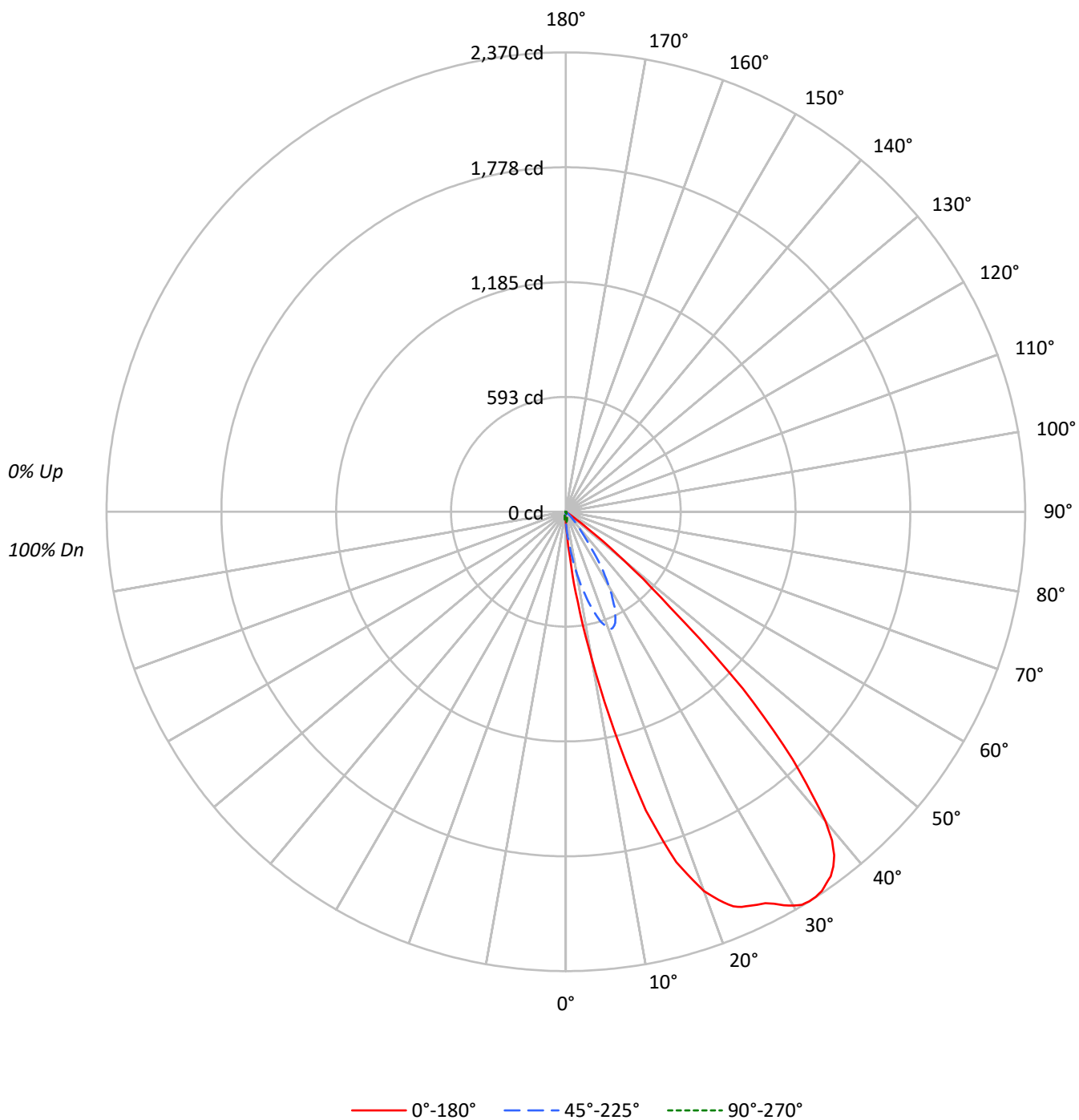
Lumens per Lamp: N/A
Luminaire Lumens: 708.1 lumens
Efficiency: N/A
Efficacy: 48.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1316254

CATALOG NUMBER: P3SQAS13R359827DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1316254

CATALOG NUMBER: P3SQAS13R359827DE010 E3SQCA301MMS

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°	9197	9197	9197	9197	9197
5°	39935	24756	8523	3043	2109
10°	134412	55874	6383	717	245
15°	284457	91645	3976	0	0
20°	381396	117113	1851	0	0
25°	426249	115004	380	0	0
30°	466618	88117	0	0	0
35°	492478	47999	0	0	0
40°	468167	21560	0	0	0
45°	314216	9548	0	0	0
50°	104975	911	0	0	0
55°	5675	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: 314216 cd/sqm

TEST NUMBER: P1316254

CATALOG NUMBER: P3SQAS13R359827DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	1.6
10°-20°	98.2	13.9
20°-30°	215.5	30.4
30°-40°	249.3	35.2
40°-50°	123.1	17.4
50°-60°	9.1	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°	325.2	45.9
0°-40°	574.5	81.1
0°-60°	706.7	99.8
0°-90°	708.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	708.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	53	53	53	53	53	
5°	231	143	49	18	12	40
15°	1595	514	22	0	0	450
25°	2243	605	2	0	0	1037
35°	2342	228	0	0	0	1446
45°	1290	39	0	0	0	947
55°	19	0	0	0	0	77
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: P1316254

CATALOG NUMBER: P3SQAS13R359827DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
2.5°	106.0	108.7	107.4	107.4	106.7	103.3	97.3	95.2	87.8	69.6	54.0
5°	231.0	231.7	229.6	219.5	210.7	202.6	185.1	177.0	143.2	85.1	49.3
7.5°	468.7	458.6	445.8	431.6	400.5	372.2	335.0	295.8	221.5	98.6	43.9
10°	768.6	754.5	743.7	709.9	653.8	595.7	524.8	460.6	319.5	108.1	36.5
12.5°	1155.7	1147.6	1109.1	1041.5	958.4	874.7	751.1	649.1	418.1	110.1	29.7
15°	1595.4	1581.9	1523.1	1427.2	1314.4	1182.7	1017.2	845.6	514.0	104.0	22.3
17.5°	1895.9	1888.5	1837.8	1737.2	1607.5	1440.0	1244.1	1030.0	593.0	91.2	15.5
20°	2081.0	2070.2	2022.9	1937.8	1802.1	1627.1	1394.8	1147.6	639.0	75.0	10.1
21°	2129.0	2118.2	2080.3	1991.8	1862.2	1674.4	1436.0	1175.9	647.7	67.5	8.1
22°	2174.2	2163.4	2123.6	2045.2	1916.9	1721.0	1468.4	1197.5	646.4	61.5	6.1
23°	2212.0	2200.6	2161.4	2089.1	1960.1	1762.2	1492.7	1208.3	637.6	55.4	4.7
24°	2231.6	2224.9	2189.7	2121.5	1995.2	1791.2	1509.6	1212.4	626.8	49.3	3.4
25°	2243.1	2235.0	2200.6	2137.7	2018.2	1814.2	1520.4	1209.0	605.2	43.9	2.0
26°	2255.3	2243.1	2203.9	2143.1	2030.3	1825.0	1521.1	1200.2	582.2	39.2	0.7
27°	2266.1	2254.6	2214.1	2147.2	2032.4	1821.6	1515.7	1183.4	554.5	34.4	0.7
28°	2289.7	2276.9	2230.3	2156.0	2034.4	1812.9	1498.8	1160.4	518.1	30.4	0.0
29°	2320.8	2307.3	2253.9	2176.9	2039.1	1803.4	1475.8	1130.0	486.3	27.0	0.0
30°	2346.4	2334.3	2285.0	2203.3	2051.3	1794.6	1448.8	1088.8	443.1	23.0	0.0
31°	2365.4	2353.2	2307.9	2225.5	2062.1	1786.5	1415.0	1046.2	403.9	20.3	0.0
32°	2370.1	2360.0	2317.4	2235.0	2062.1	1774.4	1384.0	998.3	365.4	16.9	0.0
33°	2368.1	2357.9	2314.7	2228.2	2043.9	1745.3	1346.1	940.9	321.5	14.9	0.0
34°	2360.6	2348.5	2302.5	2206.6	2008.1	1696.0	1291.4	883.5	275.6	12.2	0.0
35°	2342.4	2331.6	2281.6	2166.1	1952.7	1621.0	1218.5	817.3	228.3	10.1	0.0
36°	2324.8	2308.6	2247.2	2116.1	1879.7	1544.0	1131.3	740.9	187.8	8.1	0.0
37°	2292.4	2269.4	2207.3	2043.9	1776.4	1435.3	1032.1	657.2	157.4	6.1	0.0
38°	2249.2	2218.1	2139.1	1960.1	1672.4	1333.3	938.8	581.5	132.4	4.1	0.0
39°	2182.3	2145.8	2038.5	1845.3	1552.1	1215.1	832.1	501.2	112.8	2.7	0.0
40°	2082.4	2047.9	1929.0	1708.8	1432.6	1084.7	722.7	410.7	95.9	1.4	0.0
42.5°	1733.8	1686.6	1548.8	1329.9	1059.1	780.1	478.2	228.3	63.5	0.0	0.0
45°	1290.1	1248.2	1113.1	913.9	705.8	477.5	256.0	134.4	39.2	0.0	0.0
47.5°	728.8	724.1	636.3	524.8	393.8	254.0	129.7	81.1	16.9	0.0	0.0
50°	391.8	367.4	316.8	240.5	164.1	110.8	70.2	44.6	3.4	0.0	0.0
52.5°	143.2	138.5	116.2	96.6	74.3	50.7	35.8	19.6	0.0	0.0	0.0
55°	18.9	17.6	18.2	19.6	20.3	17.6	11.5	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



TEST NUMBER: P1316254

CATALOG NUMBER: P3SQAS13R359827DE010 E3SQCA301MMS

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

TEST NUMBER: P1316254

CATALOG NUMBER: P3SQAS13R359827DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	53.4	53.4	53.4	53.4
2.5°	41.2	31.7	27.0	26.3
5°	28.4	17.6	12.8	12.2
7.5°	19.6	8.8	6.1	5.4
10°	11.5	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



TEST NUMBER: P1316254

CATALOG NUMBER: P3SQAS13R359827DE010 E3SQCA301MMS

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)