

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: P1307677

Luminaire Tested: P3SQAS05R309030DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307677
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R309030DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

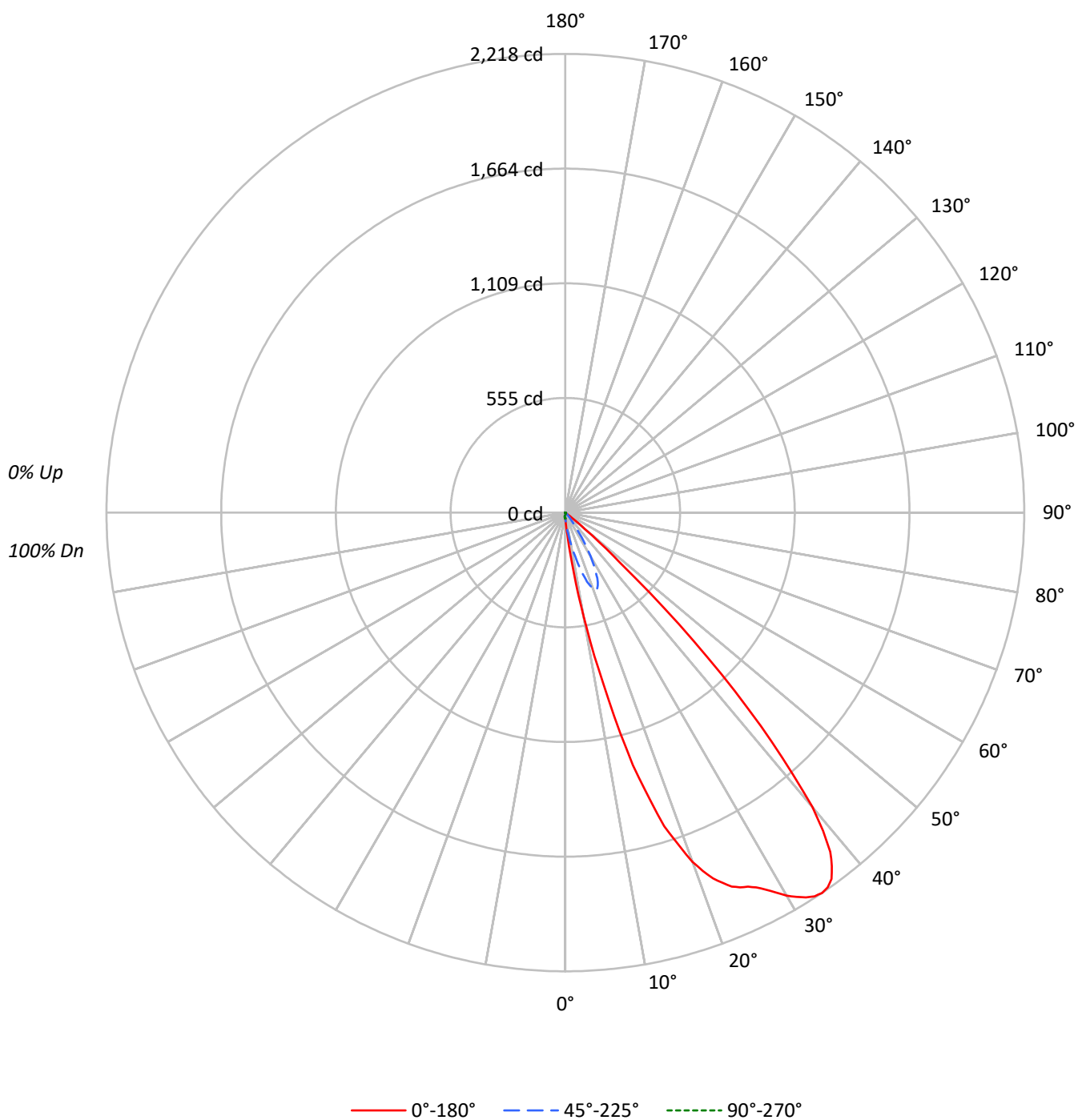
Lumens per Lamp: N/A
Luminaire Lumens: 534.0 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1307677

CATALOG NUMBER: P3SQAS05R309030DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1307677

CATALOG NUMBER: P3SQAS05R309030DE010 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	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4926	4926	4926	4926	4926
5°	17841	11082	4512	1815	1297
10°	88332	26547	3498	350	0
15°	225333	50565	2229	0	0
20°	329273	71917	916	0	0
25°	379863	70557	190	0	0
30°	425135	48424	0	0	0
35°	464957	20856	0	0	0
40°	417312	8116	0	0	0
45°	213115	3288	0	0	0
50°	32902	402	0	0	0
55°	1952	0	150	0	0
60°	0	0	172	0	0
65°	0	0	408	0	0
70°	0	252	504	0	0
75°	0	333	998	0	0
80°	0	496	1488	0	0
85°	0	988	2964	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 213115 cd/sqm

TEST NUMBER: P1307677

CATALOG NUMBER: P3SQAS05R309030DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	1.1
10°-20°	71.1	13.3
20°-30°	175.8	32.9
30°-40°	202.2	37.9
40°-50°	75.0	14.0
50°-60°	2.7	0.5
60°-70°	0.3	0.0
70°-80°	0.4	0.1
80°-90°	0.4	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°	252.9	47.4
0°-40°	455.1	85.2
0°-60°	532.9	99.8
0°-90°	534.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	534.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	29	29	29	29	29	
5°	103	64	26	10	8	22
15°	1264	284	12	0	0	363
25°	1999	371	1	0	0	924
35°	2212	99	0	0	0	1341
45°	875	14	0	0	0	681
55°	6	0	0	0	0	22
65°	0	0	1	0	0	0
75°	0	0	2	0	0	0
85°	0	0	2	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1307677

CATALOG NUMBER: P3SQAS05R309030DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
2.5°	50.6	51.1	51.1	49.6	49.1	48.6	47.1	42.6	35.6	28.6	23.1
5°	103.2	103.7	103.7	100.7	94.7	88.7	83.7	64.1	41.1	26.1	17.0
7.5°	243.5	244.1	233.5	221.5	197.4	184.9	161.9	98.7	46.6	23.6	11.0
10°	505.1	494.1	466.6	431.5	394.4	346.3	297.7	151.8	50.6	20.0	7.0
12.5°	844.4	833.9	798.3	748.2	675.5	581.3	489.1	213.5	51.1	16.0	4.0
15°	1263.8	1234.3	1191.7	1108.5	1001.3	855.4	703.1	283.6	49.1	12.5	1.0
17.5°	1589.1	1562.0	1507.9	1410.7	1277.4	1115.5	928.6	350.3	43.6	8.0	0.0
20°	1796.6	1768.0	1717.4	1631.7	1489.9	1299.9	1085.9	392.4	36.1	5.0	0.0
21°	1855.7	1828.1	1778.5	1693.3	1552.0	1362.6	1124.5	401.4	32.6	4.0	0.0
22°	1907.8	1886.3	1840.1	1747.4	1603.6	1408.7	1163.6	402.4	30.1	3.0	0.0
23°	1944.4	1928.8	1882.7	1797.6	1654.2	1446.3	1184.7	396.4	27.1	2.0	0.0
24°	1979.5	1960.4	1920.8	1841.7	1694.3	1477.8	1203.7	385.4	24.1	1.5	0.0
25°	1999.0	1977.0	1946.4	1872.2	1727.4	1497.9	1215.2	371.3	21.0	1.0	0.0
26°	2012.5	1995.5	1961.9	1890.3	1741.4	1510.9	1216.7	350.8	19.0	0.5	0.0
27°	2033.1	2016.0	1983.5	1906.3	1747.4	1508.9	1207.7	327.2	16.5	0.0	0.0
28°	2064.2	2041.6	2009.0	1923.3	1749.9	1500.4	1187.7	301.7	14.0	0.0	0.0
29°	2099.7	2076.7	2041.1	1945.9	1750.4	1483.3	1156.1	273.6	12.5	0.0	0.0
30°	2137.8	2117.8	2081.7	1967.9	1756.0	1461.3	1119.5	243.5	10.0	0.0	0.0
31°	2167.9	2149.8	2111.3	1988.0	1760.5	1442.3	1074.4	213.5	8.5	0.0	0.0
32°	2193.9	2177.9	2130.3	1992.5	1751.4	1415.2	1026.3	184.4	7.0	0.0	0.0
33°	2212.0	2191.9	2136.3	1981.0	1725.4	1370.6	972.7	156.9	5.5	0.0	0.0
34°	2218.5	2194.4	2127.3	1950.9	1672.8	1302.9	903.0	128.3	4.5	0.0	0.0
35°	2211.5	2181.9	2094.7	1899.3	1601.6	1222.3	819.3	99.2	3.5	0.0	0.0
36°	2188.9	2151.4	2048.1	1825.6	1499.9	1127.0	735.7	77.2	2.5	0.0	0.0
37°	2140.3	2098.7	1968.4	1728.4	1399.2	1017.8	640.4	60.1	1.5	0.0	0.0
38°	2080.7	2020.6	1862.2	1605.6	1268.9	895.0	546.2	49.6	1.0	0.0	0.0
39°	1979.0	1912.8	1735.9	1464.3	1141.1	778.3	454.5	43.1	0.5	0.0	0.0
40°	1856.2	1777.5	1591.6	1313.0	990.2	656.0	379.4	36.1	0.5	0.0	0.0
42.5°	1400.2	1333.5	1133.6	893.0	605.4	386.9	210.5	23.6	0.0	0.0	0.0
45°	875.0	805.3	670.0	489.6	327.7	200.5	101.2	13.5	0.0	0.0	0.0
47.5°	357.3	327.7	269.6	207.5	148.3	94.2	42.1	6.0	0.0	0.0	0.0
50°	122.8	109.2	91.7	67.2	47.6	32.6	22.0	1.5	0.0	0.0	0.0
52.5°	35.6	36.1	31.6	27.1	21.0	15.0	11.0	0.0	0.0	0.0	0.0
55°	6.5	5.5	6.5	6.0	6.5	5.5	4.0	0.0	0.0	0.5	0.0
57.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	0.5



TEST NUMBER: P1307677

CATALOG NUMBER: P3SQAS05R309030DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	0.5
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: P1307677

CATALOG NUMBER: P3SQAS05R309030DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	28.6	28.6	28.6
2.5°	18.5	16.5	15.5
5°	10.5	8.0	7.5
7.5°	5.5	3.5	3.0
10°	2.0	0.5	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



TEST NUMBER: P1307677

CATALOG NUMBER: P3SQAS05R309030DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)