

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: P1305571

Luminaire Tested: P3SQAS05R259024DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305571
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R259024DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

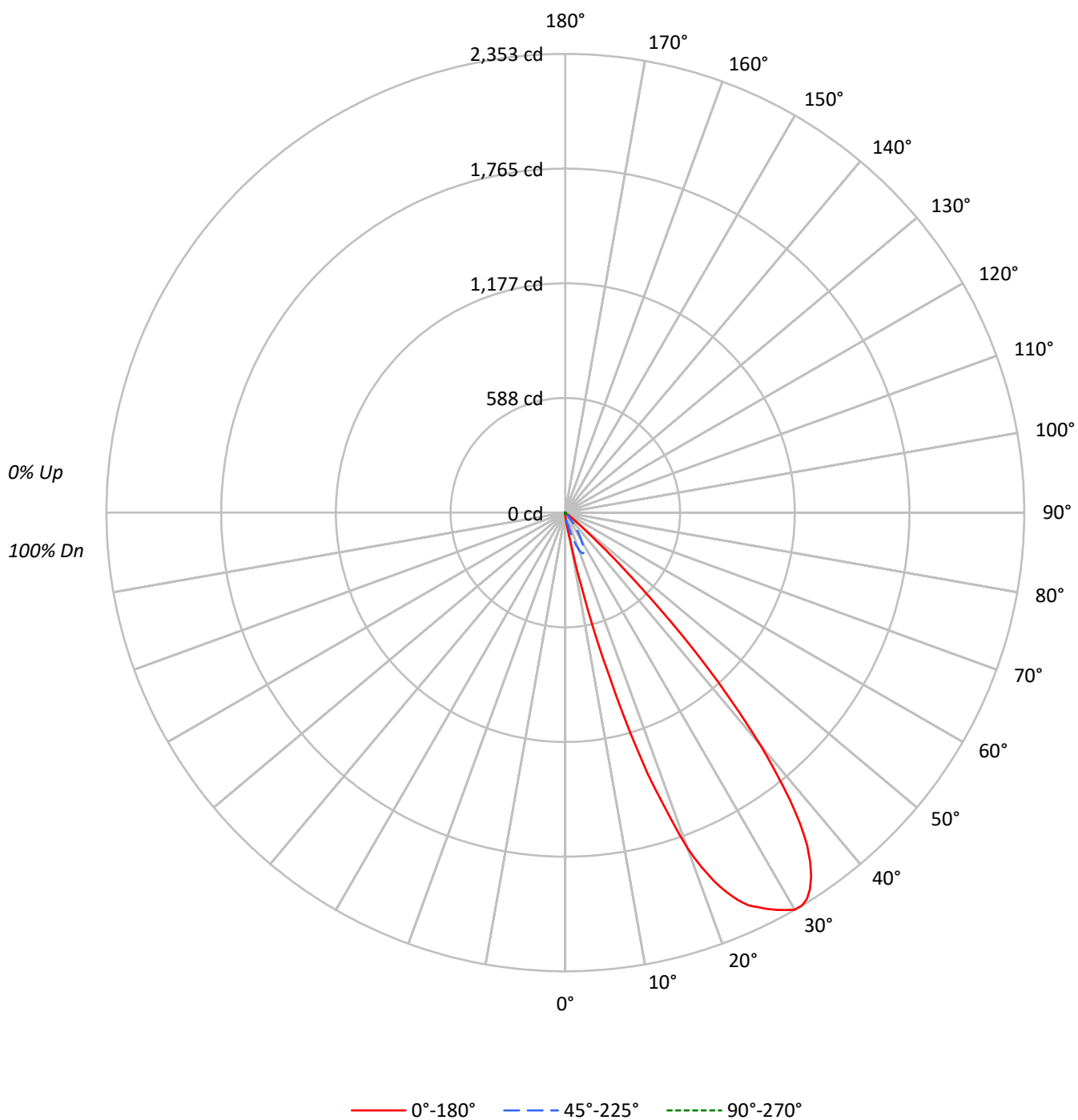
Lumens per Lamp: N/A
Luminaire Lumens: 461.0 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1305571

CATALOG NUMBER: P3SQAS05R259024DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1305571

CATALOG NUMBER: P3SQAS05R259024DE010 E3SQCA301MMS

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	63	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	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2514	2514	2514	2514	2514
5°	7866	5498	2282	1227	916
10°	24780	9968	1696	157	0
15°	153283	18971	1016	0	0
20°	336072	36985	330	0	0
25°	422467	42547	0	0	0
30°	467672	32932	0	0	0
35°	460353	18670	0	0	0
40°	349933	4856	0	0	0
45°	141752	2143	0	0	0
50°	15728	241	0	0	0
55°	1201	0	120	0	0
60°	0	0	138	0	0
65°	0	0	367	0	0
70°	0	201	453	0	0
75°	0	266	865	0	0
80°	0	397	1289	0	0
85°	0	790	2569	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 141752 cd/sqm

TEST NUMBER: P1305571

CATALOG NUMBER: P3SQAS05R259024DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.5
10°-20°	47.6	10.3
20°-30°	166.4	36.1
30°-40°	185.7	40.3
40°-50°	56.1	12.2
50°-60°	1.9	0.4
60°-70°	0.2	0.1
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°	216.3	46.9
0°-40°	402.0	87.2
0°-60°	460.0	99.8
0°-90°	461.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	461.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	15	15	15	15	15	
5°	46	32	13	7	5	7
15°	860	106	6	0	0	286
25°	2223	224	0	0	0	1014
35°	2190	89	0	0	0	1315
45°	582	9	0	0	0	503
55°	4	0	0	0	0	12
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1305571

CATALOG NUMBER: P3SQAS05R259024DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
2.5°	25.2	26.1	25.6	26.1	25.6	25.6	25.6	26.1	25.6	25.6	25.6
5°	45.5	45.9	45.9	45.5	45.5	46.4	45.5	45.9	44.6	45.5	45.0
7.5°	74.6	73.7	73.7	74.2	74.2	73.3	72.9	72.0	72.9	72.9	71.5
10°	141.7	140.9	138.6	137.8	138.6	138.6	134.2	135.1	135.6	131.6	130.3
12.5°	416.4	413.3	419.5	409.8	404.0	394.7	400.0	381.9	378.0	375.3	369.1
15°	859.7	883.1	872.9	873.8	875.6	853.5	861.0	833.6	810.7	803.6	798.8
17.5°	1401.9	1409.0	1399.7	1395.3	1393.5	1382.9	1370.1	1356.4	1338.8	1323.3	1310.5
20°	1833.7	1828.4	1812.5	1814.3	1795.3	1785.6	1774.6	1760.9	1747.2	1724.7	1703.0
21°	1947.7	1932.2	1932.6	1922.1	1921.6	1909.2	1889.8	1875.7	1863.3	1837.7	1824.0
22°	2041.3	2037.7	2029.8	2021.8	2013.5	2007.3	1985.6	1978.6	1953.4	1932.2	1912.8
23°	2114.1	2115.4	2108.4	2103.1	2091.6	2089.0	2061.1	2051.4	2034.2	2002.0	1982.1
24°	2174.6	2172.4	2164.5	2155.2	2148.6	2142.4	2121.2	2105.3	2086.3	2059.8	2040.4
25°	2223.2	2217.9	2212.6	2205.5	2194.9	2187.9	2166.2	2148.6	2132.2	2102.6	2076.2
26°	2251.9	2253.2	2244.8	2239.5	2230.3	2223.2	2200.7	2179.9	2159.6	2127.8	2104.0
27°	2281.0	2279.7	2272.2	2264.3	2254.5	2251.9	2225.8	2204.2	2183.4	2149.9	2121.6
28°	2308.0	2304.4	2298.3	2289.0	2278.4	2270.4	2245.3	2222.7	2200.2	2164.5	2133.6
29°	2330.5	2327.0	2323.0	2311.1	2297.4	2292.1	2265.1	2237.8	2215.2	2178.6	2145.9
30°	2351.7	2345.1	2335.8	2325.6	2312.4	2302.2	2274.0	2250.1	2223.6	2183.0	2151.7
31°	2352.6	2343.7	2337.1	2326.5	2311.5	2299.1	2269.5	2245.3	2214.4	2176.4	2142.4
32°	2337.1	2332.7	2322.1	2310.6	2296.0	2283.7	2251.0	2225.4	2196.3	2155.6	2121.6
33°	2302.2	2297.8	2291.6	2279.7	2260.7	2249.2	2220.1	2191.8	2163.1	2126.5	2087.6
34°	2254.1	2248.8	2240.8	2228.9	2209.5	2197.6	2174.2	2145.0	2114.6	2076.6	2040.4
35°	2189.6	2179.5	2177.3	2159.6	2141.5	2138.4	2110.6	2080.1	2049.2	2007.3	1975.9
36°	2109.7	2097.8	2089.8	2083.7	2071.7	2057.2	2029.8	2005.5	1965.8	1938.8	1894.7
37°	2000.6	1986.1	1993.6	1976.8	1958.3	1952.1	1917.2	1895.1	1861.6	1824.9	1787.4
38°	1873.5	1872.2	1870.4	1862.9	1831.1	1814.8	1800.2	1776.8	1747.6	1703.5	1652.7
39°	1712.8	1715.4	1706.1	1707.0	1691.1	1674.8	1654.5	1628.0	1592.7	1552.5	1511.4
40°	1556.5	1518.9	1525.5	1503.0	1504.3	1480.1	1453.6	1430.2	1407.7	1372.3	1316.3
42.5°	1076.9	1071.2	1051.3	1037.2	1043.4	1012.0	977.1	944.5	913.1	873.4	824.4
45°	582.0	568.7	572.7	549.7	549.7	535.6	525.9	498.5	469.4	451.3	423.0
47.5°	216.4	219.0	223.9	214.6	204.0	210.2	200.9	200.9	196.0	190.3	182.4
50°	58.7	59.6	58.7	58.7	57.4	56.5	54.8	54.3	53.9	52.5	50.3
52.5°	23.8	22.5	22.5	23.0	23.0	22.1	22.5	22.5	22.1	21.6	21.6
55°	4.0	4.4	4.4	4.4	4.4	4.0	4.0	4.4	4.9	4.4	4.4
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1305571

CATALOG NUMBER: P3SQAS05R259024DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P1305571

CATALOG NUMBER: P3SQAS05R259024DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
2.5°	24.7	21.6	18.1	15.0	11.9	10.2	9.3	9.7
5°	41.9	31.8	20.8	13.2	9.3	7.1	5.7	5.3
7.5°	64.5	43.7	23.4	11.5	7.1	3.5	2.2	1.8
10°	98.9	57.0	25.2	9.7	4.4	0.9	0.0	0.0
12.5°	253.9	69.8	25.6	7.9	1.8	0.0	0.0	0.0
15°	521.9	106.4	24.7	5.7	0.4	0.0	0.0	0.0
17.5°	867.6	162.9	21.6	4.0	0.0	0.0	0.0	0.0
20°	1203.7	201.8	17.2	1.8	0.0	0.0	0.0	0.0
21°	1304.8	213.3	15.5	1.3	0.0	0.0	0.0	0.0
22°	1387.3	221.7	13.7	0.9	0.0	0.0	0.0	0.0
23°	1456.2	226.1	11.9	0.4	0.0	0.0	0.0	0.0
24°	1504.3	227.0	11.0	0.4	0.0	0.0	0.0	0.0
25°	1527.3	223.9	9.7	0.0	0.0	0.0	0.0	0.0
26°	1536.1	217.7	8.8	0.0	0.0	0.0	0.0	0.0
27°	1529.5	209.7	7.9	0.0	0.0	0.0	0.0	0.0
28°	1517.6	197.8	6.6	0.0	0.0	0.0	0.0	0.0
29°	1494.2	181.9	5.7	0.0	0.0	0.0	0.0	0.0
30°	1471.7	165.6	4.9	0.0	0.0	0.0	0.0	0.0
31°	1446.1	151.0	4.0	0.0	0.0	0.0	0.0	0.0
32°	1414.7	134.2	3.1	0.0	0.0	0.0	0.0	0.0
33°	1362.6	118.8	2.2	0.0	0.0	0.0	0.0	0.0
34°	1289.8	104.2	1.8	0.0	0.0	0.0	0.0	0.0
35°	1192.2	88.8	1.3	0.0	0.0	0.0	0.0	0.0
36°	1085.3	72.4	0.9	0.0	0.0	0.0	0.0	0.0
37°	954.6	52.5	0.9	0.0	0.0	0.0	0.0	0.0
38°	818.2	33.1	0.4	0.0	0.0	0.0	0.0	0.0
39°	678.7	25.2	0.4	0.0	0.0	0.0	0.0	0.0
40°	551.1	21.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	295.0	14.6	0.0	0.0	0.0	0.0	0.0	0.0
45°	174.0	8.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	97.1	3.5	0.0	0.0	0.0	0.0	0.0	0.0
50°	34.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	4.9	0.0	0.0	0.4	0.0	0.0	0.0	0.0
57.5°	0.4	0.0	0.4	0.4	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.4	0.9	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.9	0.9	0.4	0.0	0.0	0.0
67.5°	0.0	0.4	0.9	0.9	0.4	0.0	0.0	0.0
70°	0.0	0.4	0.9	0.9	0.4	0.0	0.0	0.0
72.5°	0.0	0.4	0.9	1.3	0.4	0.0	0.0	0.0
75°	0.0	0.4	0.9	1.3	0.4	0.0	0.0	0.0
77.5°	0.0	0.4	0.9	1.3	0.4	0.0	0.0	0.0
80°	0.0	0.4	0.9	1.3	0.4	0.0	0.0	0.0



TEST NUMBER: P1305571

CATALOG NUMBER: P3SQAS05R259024DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.4	0.9	1.3	0.4	0.0	0.0	0.0
85°	0.0	0.4	0.9	1.3	0.4	0.0	0.0	0.0
87.5°	0.0	0.4	0.9	1.3	0.4	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)