

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: P1308504

Luminaire Tested: P3SQAS24R509030D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308504
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R509030D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

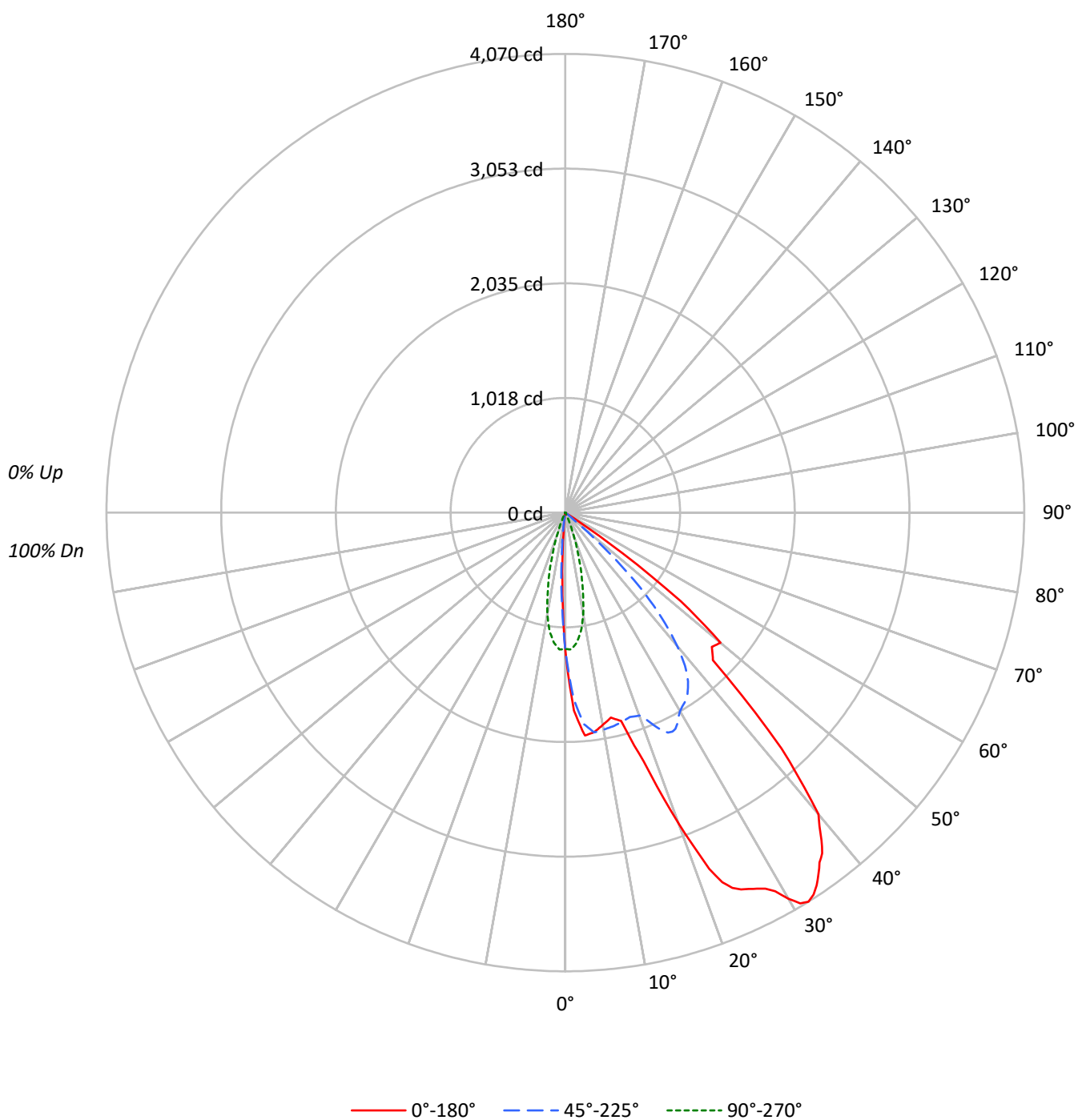
Lumens per Lamp: N/A
Luminaire Lumens: 1948.0 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1308504

CATALOG NUMBER: P3SQAS24R509030D010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1308504

CATALOG NUMBER: P3SQAS24R509030D010 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	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	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74		
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	66		
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59		
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54		
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48		
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44		
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	208303	208303	208303	208303	208303
5°	343202	325707	200178	59454	29735
10°	334474	341837	160382	3008	4005
15°	341013	343063	96067	3067	1016
20°	537529	351229	39569	0	0
25°	700761	409203	9444	0	0
30°	786553	404672	378	0	0
35°	823109	398498	0	0	0
40°	785254	346224	0	0	0
45°	450951	228508	0	0	0
50°	481231	26096	0	0	0
55°	137129	0	0	0	0
60°	0	0	654	0	0
65°	0	774	774	0	0
70°	0	957	957	0	0
75°	0	1264	1264	0	0
80°	0	1884	3769	1884	0
85°	0	3754	7509	3754	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 497958 cd/sqm

TEST NUMBER: P1308504

CATALOG NUMBER: P3SQAS24R509030D010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.6	5.2
10°-20°	255.9	13.1
20°-30°	491.6	25.2
30°-40°	572.2	29.4
40°-50°	409.5	21.0
50°-60°	114.0	5.9
60°-70°	0.8	0.0
70°-80°	1.2	0.1
80°-90°	1.4	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°	849.1	43.6
0°-40°	1421.2	73.0
0°-60°	1944.7	99.8
0°-90°	1948.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1948.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1210	1210	1210	1210	1210	
5°	1985	1884	1158	344	172	182
15°	1913	1924	539	17	6	617
25°	3688	2153	50	0	0	1677
35°	3915	1895	0	0	0	2422
45°	1852	938	0	0	0	1741
55°	457	0	0	0	0	575
65°	0	2	2	0	0	0
75°	0	2	2	0	0	0
85°	0	2	4	2	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1308504

CATALOG NUMBER: P3SQAS24R509030D010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	1209.5	1209.5	1209.5	1209.5	1209.5	1209.5	1209.5	1209.5	1209.5	1209.5	1209.5
2.5°	1757.9	1767.4	1769.3	1746.4	1750.2	1717.7	1719.6	1696.7	1641.3	1448.3	1215.2
5°	1985.2	1979.5	1985.2	1977.6	1985.2	1966.1	1954.7	1945.1	1884.0	1610.7	1157.9
7.5°	1964.2	1956.6	1968.0	1971.9	1985.2	1979.5	1981.4	1987.1	1966.1	1698.6	1060.4
10°	1912.6	1910.7	1916.4	1916.4	1931.7	1933.6	1941.3	1952.7	1954.7	1729.2	917.1
12.5°	1862.9	1857.2	1857.2	1855.3	1862.9	1861.0	1880.1	1906.9	1943.2	1710.1	720.3
15°	1912.6	1906.9	1899.2	1878.2	1862.9	1845.7	1847.7	1864.9	1924.1	1660.4	538.8
17.5°	2313.9	2283.3	2245.1	2178.2	2107.5	1985.2	1912.6	1866.8	1901.2	1584.0	359.2
20°	2932.9	2919.6	2858.4	2749.5	2634.9	2455.3	2231.7	2052.1	1916.4	1488.4	215.9
21°	3168.0	3160.3	3095.3	2994.1	2864.2	2646.3	2417.0	2201.1	1947.0	1448.3	170.1
22°	3408.7	3380.0	3328.5	3215.7	3080.1	2862.2	2606.2	2367.4	2008.2	1396.7	129.9
23°	3563.5	3546.3	3490.9	3401.1	3271.1	3059.0	2797.3	2537.4	2067.4	1339.4	97.4
24°	3643.7	3638.0	3594.0	3531.0	3420.2	3204.3	2955.9	2688.4	2117.1	1272.5	70.7
25°	3687.7	3668.6	3641.8	3596.0	3511.9	3324.6	3103.0	2820.2	2153.4	1205.7	49.7
26°	3714.4	3703.0	3660.9	3620.8	3540.5	3387.7	3198.5	2900.5	2162.9	1123.5	34.4
27°	3745.0	3718.2	3678.1	3630.3	3540.5	3406.8	3234.8	2934.8	2151.5	1039.4	22.9
28°	3777.5	3758.4	3703.0	3641.8	3534.8	3406.8	3221.5	2889.0	2117.1	959.2	13.4
29°	3840.5	3815.7	3746.9	3657.1	3536.7	3403.0	3169.9	2793.5	2071.2	869.4	7.6
30°	3955.2	3903.6	3819.5	3693.4	3550.1	3395.3	3083.9	2650.2	2034.9	768.1	1.9
31°	4045.0	4016.3	3918.9	3760.3	3588.3	3374.3	2982.6	2508.8	2010.1	680.2	0.0
32°	4069.8	4048.8	3978.1	3829.1	3653.3	3357.1	2868.0	2371.2	1991.0	582.8	0.0
33°	4041.1	4027.8	3953.3	3817.6	3670.5	3334.2	2736.1	2235.5	1969.9	494.9	0.0
34°	3987.6	3970.5	3905.5	3767.9	3626.5	3234.8	2610.0	2132.4	1939.4	412.7	0.0
35°	3915.0	3901.7	3834.8	3699.1	3546.3	3080.1	2483.9	2063.6	1895.4	330.6	0.0
36°	3836.7	3832.9	3746.9	3613.1	3443.1	2931.0	2331.1	2012.0	1851.5	261.8	0.0
37°	3785.1	3766.0	3672.4	3540.5	3320.8	2757.2	2208.8	1994.8	1790.3	202.5	0.0
38°	3691.5	3695.3	3588.3	3467.9	3196.6	2606.2	2109.4	1981.4	1721.5	147.1	0.0
39°	3580.7	3582.6	3471.8	3368.6	3049.5	2447.6	2027.3	1968.0	1635.6	93.6	0.0
40°	3492.8	3490.9	3364.8	3253.9	2890.9	2298.6	1983.3	1948.9	1540.0	53.5	0.0
42.5°	2839.3	2850.8	2866.1	2911.9	2518.3	2036.8	1941.3	1841.9	1268.7	0.0	0.0
45°	1851.5	1895.4	1906.9	2044.5	2042.5	1929.8	1841.9	1650.9	938.2	0.0	0.0
47.5°	1761.7	1775.0	1799.9	1853.4	1882.0	1826.6	1647.0	1379.5	512.1	0.0	0.0
50°	1796.1	1794.2	1799.9	1799.9	1748.3	1605.0	1350.9	1018.4	97.4	0.0	0.0
52.5°	1289.7	1337.5	1389.1	1412.0	1345.1	1194.2	985.9	598.1	0.0	0.0	0.0
55°	456.7	441.4	429.9	470.0	460.5	517.8	428.0	139.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.9	7.6	17.2	22.9	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	1.9	1.9
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	3.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	3.8



TEST NUMBER: P1308504

CATALOG NUMBER: P3SQAS24R509030D010 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	1.9	1.9	1.9	3.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	3.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	3.8
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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CATALOG NUMBER: P3SQAS24R509030D010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	1209.5	1209.5	1209.5	1209.5
2.5°	968.7	743.3	601.9	611.4
5°	680.2	343.9	212.1	172.0
7.5°	407.0	105.1	21.0	17.2
10°	191.1	17.2	19.1	22.9
12.5°	57.3	15.3	21.0	19.1
15°	15.3	17.2	9.6	5.7
17.5°	5.7	7.6	0.0	0.0
20°	3.8	0.0	0.0	0.0
21°	3.8	0.0	0.0	0.0
22°	1.9	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°	1.9	0.0	0.0	0.0
67.5°	1.9	0.0	0.0	0.0
70°	1.9	0.0	0.0	0.0
72.5°	1.9	0.0	0.0	0.0
75°	1.9	0.0	0.0	0.0
77.5°	1.9	0.0	0.0	0.0
80°	1.9	1.9	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.9	1.9	0.0	0.0
85°	1.9	1.9	0.0	0.0
87.5°	1.9	1.9	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)