

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: P1307422

Luminaire Tested: P3SQAS24R709027D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307422
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R709027D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

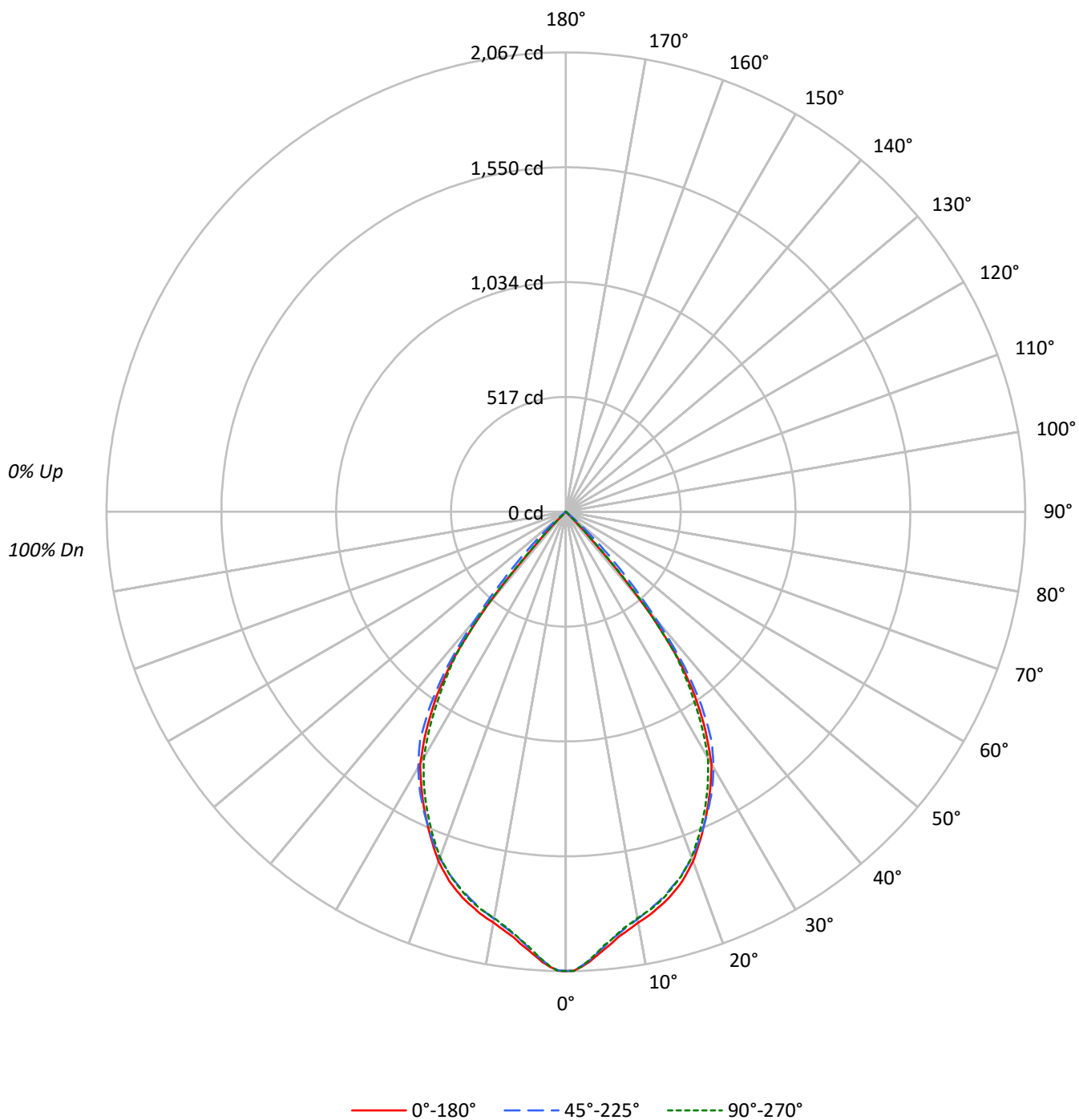
Lumens per Lamp: N/A
Luminaire Lumens: 2138.0 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307422

CATALOG NUMBER: P3SQAS24R709027D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1307422

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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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86		
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80		
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74		
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68		
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63		
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59		
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55		
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51		
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	355915	355915	355915
5°	341646	339762	338828
10°	328196	325346	324716
15°	320437	315926	316568
20°	306840	303871	303193
25°	284812	285515	281049
30°	260673	264272	254210
35°	213252	223511	204884
40°	122752	143076	126012
45°	1754	59453	6162
50°	0	6296	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 59453 cd/sqm

TEST NUMBER: P1307422

CATALOG NUMBER: P3SQAS24R709027D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.4	8.6
10°-20°	499.6	23.4
20°-30°	686.3	32.1
30°-40°	622.3	29.1
40°-50°	144.6	6.8
50°-60°	0.7	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1370.3	64.1
0°-40°	1992.6	93.2
0°-60°	2138.0	100.0
0°-90°	2138.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2138.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2067	2067	2067	2067	2067	
5°	1976	1971	1965	1962	1960	185
15°	1797	1784	1772	1772	1776	504
25°	1499	1506	1502	1488	1479	688
35°	1014	1029	1063	1018	974	609
45°	7	81	244	105	25	87
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1307422

CATALOG NUMBER: P3SQAS24R709027D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2066.6	2066.6	2066.6	2066.6	2066.6
1°	2064.8	2061.1	2062.9	2064.8	2066.6
2°	2048.5	2044.9	2044.9	2046.7	2046.7
3°	2028.6	2021.4	2021.4	2019.6	2019.6
4°	2001.5	1996.0	1992.4	1990.6	1990.6
5°	1976.2	1970.7	1965.3	1961.7	1959.9
6°	1954.5	1945.4	1938.2	1936.4	1938.2
7°	1929.2	1923.7	1916.5	1911.1	1912.9
8°	1911.1	1903.8	1894.8	1891.2	1891.2
9°	1894.8	1887.6	1878.5	1871.3	1874.9
10°	1876.7	1869.5	1860.4	1855.0	1856.8
11°	1864.1	1855.0	1844.2	1840.6	1842.4
12°	1849.6	1838.8	1827.9	1826.1	1829.7
13°	1831.5	1820.7	1809.8	1809.8	1813.4
14°	1815.2	1802.6	1791.7	1791.7	1797.2
15°	1797.2	1784.5	1771.9	1771.9	1775.5
17.5°	1742.9	1732.1	1719.4	1719.4	1721.2
20°	1674.2	1668.8	1658.0	1652.5	1654.3
22.5°	1587.4	1587.4	1582.0	1573.0	1569.4
25°	1498.8	1506.1	1502.5	1488.0	1479.0
27.5°	1406.6	1419.3	1421.1	1399.4	1383.1
30°	1310.8	1321.7	1328.9	1303.6	1278.3
32.5°	1169.8	1202.3	1220.4	1186.1	1133.6
35°	1014.3	1028.8	1063.1	1017.9	974.5
37.5°	824.5	842.5	871.5	835.3	810.0
40°	546.0	618.3	636.4	618.3	560.5
42.5°	197.1	347.1	417.7	354.4	231.4
45°	7.2	81.4	244.1	104.9	25.3
47.5°	0.0	1.8	110.3	3.6	0.0
50°	0.0	0.0	23.5	0.0	0.0
52.5°	0.0	0.0	1.8	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1307422

CATALOG NUMBER: P3SQAS24R709027D010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)