

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: P1308542

Luminaire Tested: P3SQAS24R709030D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R709030D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

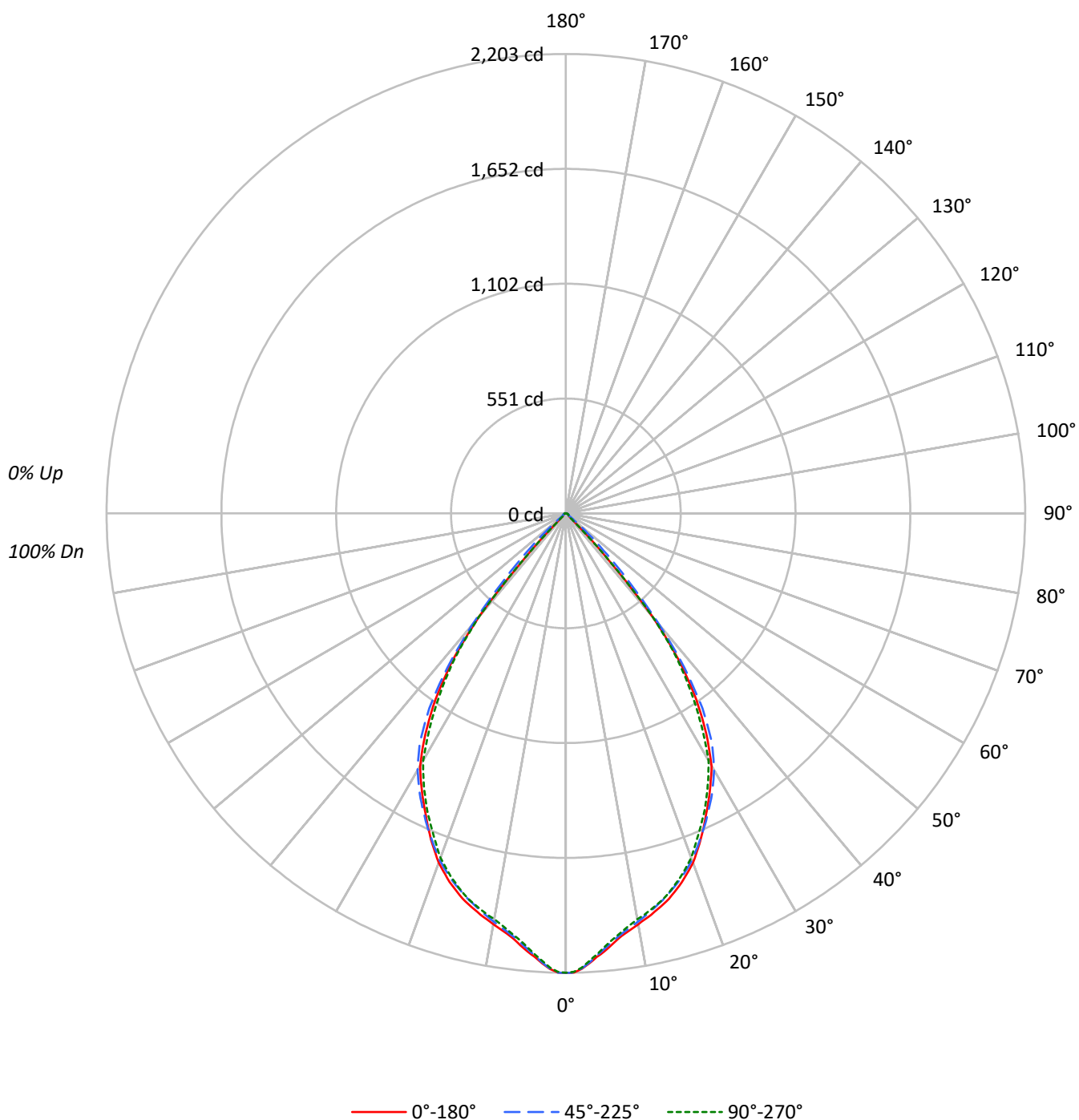
Lumens per Lamp: N/A
Luminaire Lumens: 2349.0 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		81
5	91	82	76	71	89	81	75	71	79	74	70		77	73	69		76
6	86	76	70	65	84	75	69	65	74	69	65		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	48	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	379406	379406	379406
5°	364691	362703	361389
10°	349881	347870	345544
15°	341066	337322	336965
20°	326780	324343	322235
25°	302541	304727	298912
30°	277895	282827	272207
35°	229188	240016	220358
40°	145931	157082	145931
45°	10230	67880	11155
50°	4608	13798	4608
55°	5164	5164	5164
60°	5270	5270	5270
65°	4686	5461	4686
70°	4784	5791	4784
75°	5057	5057	5057
80°	5653	5653	5653
85°	3754	7509	3754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 67880 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.6	8.4
10°-20°	532.2	22.7
20°-30°	731.6	31.1
30°-40°	670.1	28.5
40°-50°	177.8	7.6
50°-60°	15.9	0.7
60°-70°	13.0	0.6
70°-80°	8.6	0.4
80°-90°	3.2	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°	1460.4	62.2
0°-40°	2130.5	90.7
0°-60°	2324.2	98.9
0°-90°	2349.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2349.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2203	2203	2203	2203	2203	
5°	2110	2100	2098	2094	2090	198
15°	1913	1896	1892	1892	1890	537
25°	1592	1598	1604	1584	1573	732
35°	1090	1107	1142	1090	1048	661
45°	42	143	279	145	46	126
55°	17	17	17	17	17	15
65°	12	13	13	13	12	12
75°	8	8	8	8	8	8
85°	2	4	4	4	2	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2203.0	2203.0	2203.0	2203.0	2203.0
1°	2203.0	2199.2	2203.0	2203.0	2199.2
2°	2185.8	2182.0	2183.9	2182.0	2180.1
3°	2161.0	2155.3	2157.2	2153.4	2149.6
4°	2132.4	2126.7	2126.7	2124.8	2120.9
5°	2109.5	2099.9	2098.0	2094.2	2090.4
6°	2082.8	2073.2	2071.3	2065.6	2061.8
7°	2056.0	2048.4	2046.5	2038.9	2038.9
8°	2035.0	2025.5	2025.5	2015.9	2015.9
9°	2017.9	2006.4	2006.4	1998.8	1994.9
10°	2000.7	1989.2	1989.2	1979.7	1975.9
11°	1983.5	1973.9	1970.1	1964.4	1962.5
12°	1968.2	1954.9	1951.0	1949.1	1945.3
13°	1949.1	1935.8	1931.9	1930.0	1928.1
14°	1931.9	1914.8	1912.9	1909.0	1910.9
15°	1912.9	1895.7	1891.9	1891.9	1889.9
17.5°	1853.7	1842.2	1836.5	1832.7	1828.9
20°	1783.0	1773.5	1769.7	1762.0	1758.2
22.5°	1691.4	1689.5	1687.6	1678.0	1662.8
25°	1592.1	1597.9	1603.6	1584.5	1573.0
27.5°	1496.7	1512.0	1517.7	1498.6	1473.8
30°	1397.4	1410.8	1422.2	1395.5	1368.8
32.5°	1254.2	1286.7	1303.9	1273.3	1212.2
35°	1090.1	1107.2	1141.6	1090.1	1048.1
37.5°	899.2	908.7	935.4	901.1	872.4
40°	649.1	677.7	698.7	677.7	649.1
42.5°	292.1	408.5	462.0	431.4	305.4
45°	42.0	143.2	278.7	145.1	45.8
47.5°	17.2	22.9	145.1	21.0	17.2
50°	17.2	17.2	51.5	17.2	17.2
52.5°	17.2	17.2	19.1	17.2	17.2
55°	17.2	17.2	17.2	17.2	17.2
57.5°	15.3	15.3	17.2	15.3	15.3
60°	15.3	15.3	15.3	15.3	15.3
62.5°	13.4	15.3	15.3	15.3	13.4
65°	11.5	13.4	13.4	13.4	11.5
67.5°	11.5	11.5	11.5	11.5	11.5
70°	9.5	11.5	11.5	11.5	9.5
72.5°	9.5	9.5	9.5	9.5	9.5
75°	7.6	7.6	7.6	7.6	7.6
77.5°	5.7	7.6	7.6	7.6	5.7
80°	5.7	5.7	5.7	5.7	5.7
82.5°	3.8	3.8	3.8	3.8	3.8
85°	1.9	3.8	3.8	3.8	1.9
87.5°	1.9	1.9	1.9	1.9	1.9



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)