

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: P1311855

Luminaire Tested: P3SQAS24R709050D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311855
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: P3SQAS24R709050D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

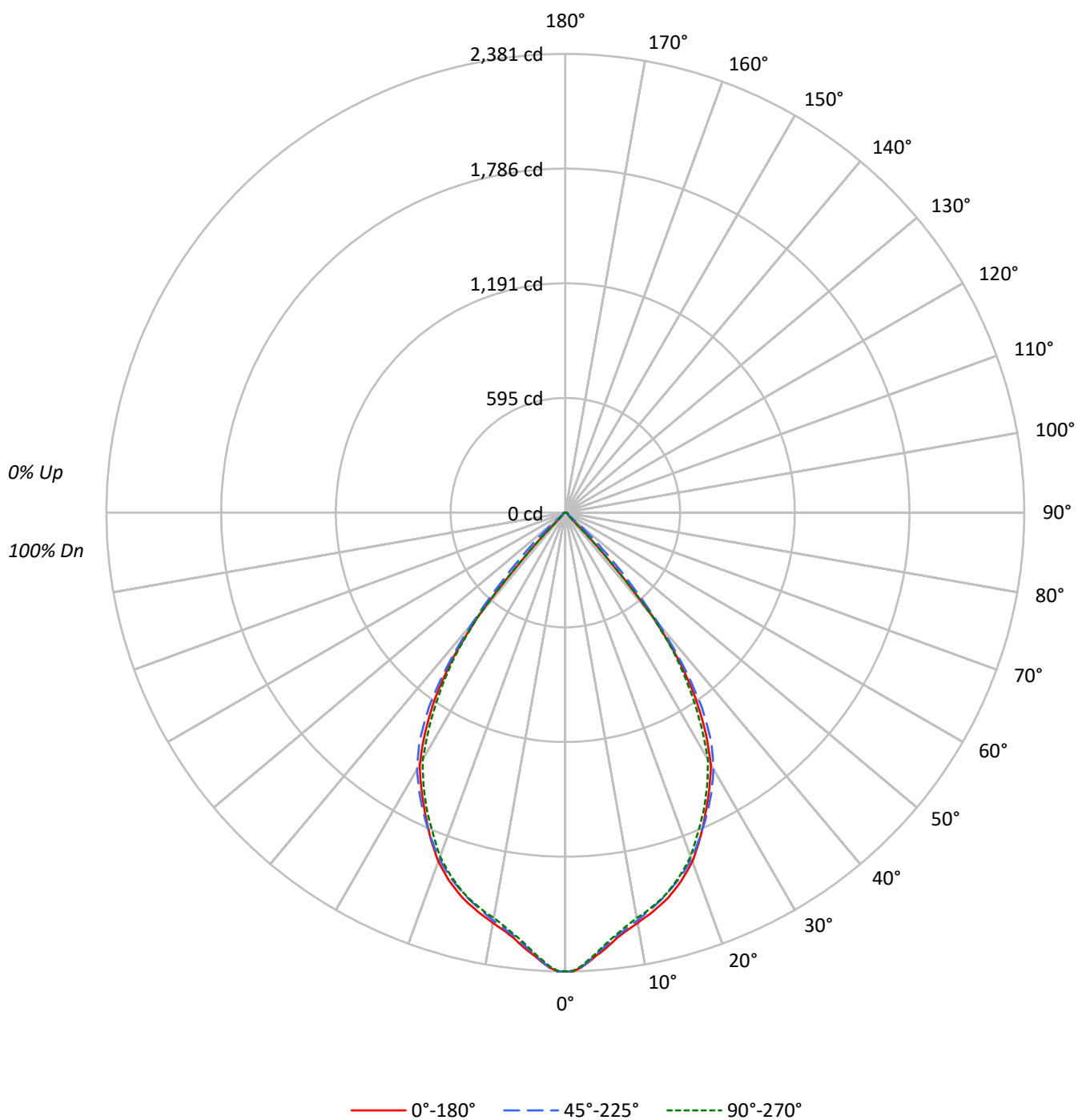
Lumens per Lamp: N/A
Luminaire Lumens: 2539.0 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	75	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°	410097	410097	410097
5°	394185	392041	390623
10°	378177	376008	373490
15°	368649	364602	364227
20°	353227	350569	348297
25°	327017	329373	323102
30°	300367	305716	294222
35°	247711	259421	238166
40°	157734	169785	157734
45°	11058	73385	12056
50°	4984	14924	4984
55°	5585	5585	5585
60°	5683	5683	5683
65°	5053	5868	5053
70°	5187	6244	5187
75°	5523	5523	5523
80°	6149	6149	6149
85°	4150	8102	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 73385 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.5	8.4
10°-20°	575.3	22.7
20°-30°	790.7	31.1
30°-40°	724.3	28.5
40°-50°	192.2	7.6
50°-60°	17.2	0.7
60°-70°	14.0	0.6
70°-80°	9.3	0.4
80°-90°	3.5	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°	1578.5	62.2
0°-40°	2302.8	90.7
0°-60°	2512.2	98.9
0°-90°	2539.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2539.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2381	2381	2381	2381	2381	
5°	2280	2270	2268	2264	2260	214
15°	2068	2049	2045	2045	2043	580
25°	1721	1727	1733	1713	1700	791
35°	1178	1197	1234	1178	1133	715
45°	45	155	301	157	50	136
55°	19	19	19	19	19	16
65°	12	14	14	14	12	13
75°	8	8	8	8	8	9
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°	2381.2	2381.2	2381.2	2381.2	2381.2
1°	2381.2	2377.1	2381.2	2381.2	2377.1
2°	2362.7	2358.5	2360.6	2358.5	2356.5
3°	2335.8	2329.6	2331.7	2327.6	2323.4
4°	2304.9	2298.7	2298.7	2296.6	2292.5
5°	2280.1	2269.8	2267.7	2263.6	2259.5
6°	2251.2	2240.9	2238.8	2232.7	2228.5
7°	2222.3	2214.1	2212.0	2203.8	2203.8
8°	2199.6	2189.3	2189.3	2179.0	2179.0
9°	2181.1	2168.7	2168.7	2160.4	2156.3
10°	2162.5	2150.1	2150.1	2139.8	2135.7
11°	2143.9	2133.6	2129.5	2123.3	2121.2
12°	2127.4	2113.0	2108.8	2106.8	2102.7
13°	2106.8	2092.3	2088.2	2086.1	2084.1
14°	2088.2	2069.6	2067.6	2063.5	2065.5
15°	2067.6	2049.0	2044.9	2044.9	2042.8
17.5°	2003.6	1991.2	1985.0	1980.9	1976.8
20°	1927.3	1916.9	1912.8	1904.6	1900.4
22.5°	1828.2	1826.2	1824.1	1813.8	1797.3
25°	1720.9	1727.1	1733.3	1712.7	1700.3
27.5°	1617.7	1634.3	1640.4	1619.8	1593.0
30°	1510.4	1524.9	1537.3	1508.4	1479.5
32.5°	1355.7	1390.8	1409.3	1376.3	1310.3
35°	1178.2	1196.8	1233.9	1178.2	1132.8
37.5°	971.9	982.2	1011.1	973.9	943.0
40°	701.6	732.5	755.2	732.5	701.6
42.5°	315.7	441.6	499.4	466.3	330.2
45°	45.4	154.8	301.3	156.8	49.5
47.5°	18.6	24.8	156.8	22.7	18.6
50°	18.6	18.6	55.7	18.6	18.6
52.5°	18.6	18.6	20.6	18.6	18.6
55°	18.6	18.6	18.6	18.6	18.6
57.5°	16.5	16.5	18.6	16.5	16.5
60°	16.5	16.5	16.5	16.5	16.5
62.5°	14.4	16.5	16.5	16.5	14.4
65°	12.4	14.4	14.4	14.4	12.4
67.5°	12.4	12.4	12.4	12.4	12.4
70°	10.3	12.4	12.4	12.4	10.3
72.5°	10.3	10.3	10.3	10.3	10.3
75°	8.3	8.3	8.3	8.3	8.3
77.5°	6.2	8.3	8.3	8.3	6.2
80°	6.2	6.2	6.2	6.2	6.2
82.5°	4.1	4.1	4.1	4.1	4.1
85°	2.1	4.1	4.1	4.1	2.1
87.5°	2.1	2.1	2.1	2.1	2.1



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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)