

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: P1310778

Luminaire Tested: P3SQAS24R709040D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310778
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: P3SQAS24R709040D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

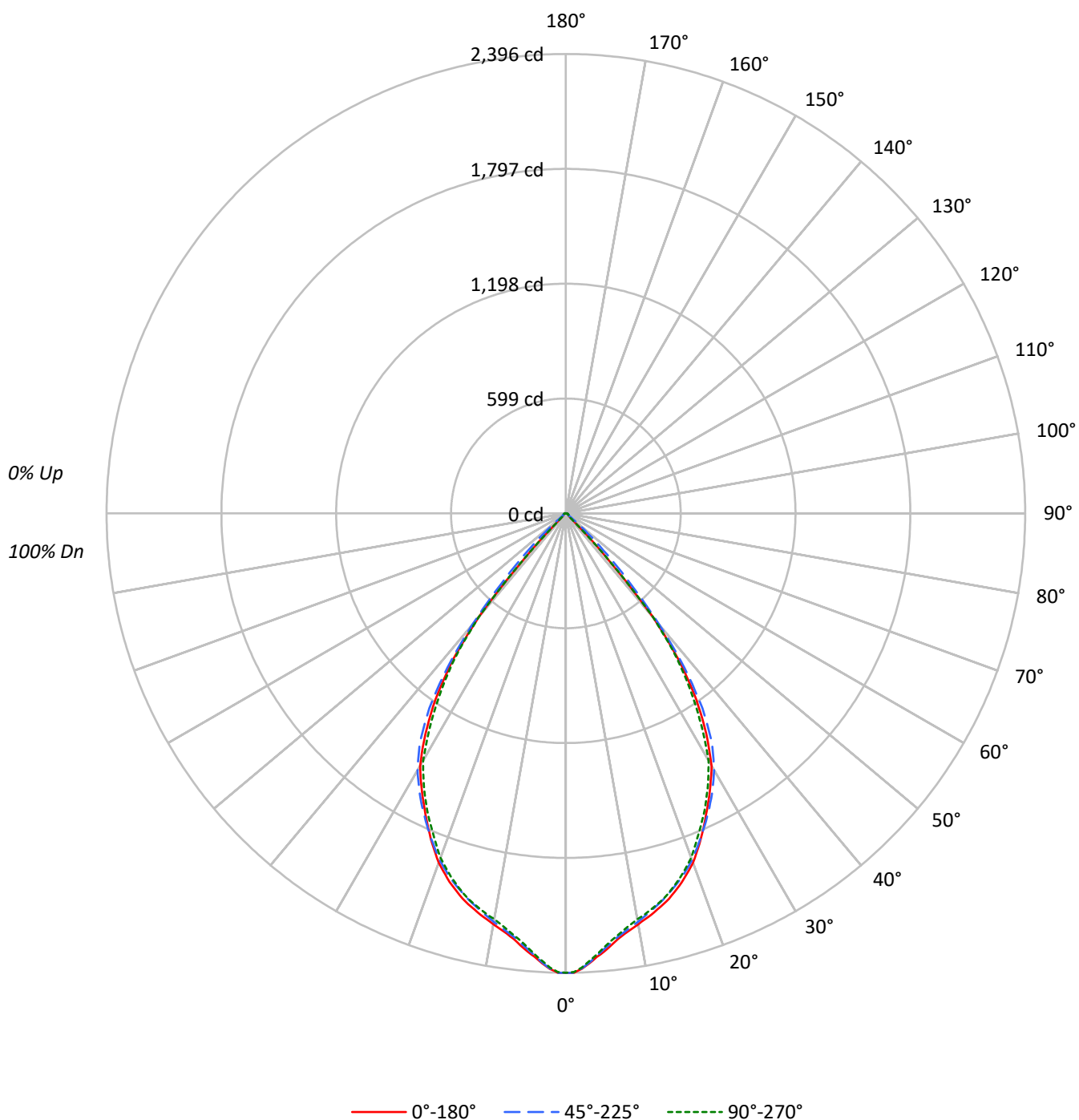
Lumens per Lamp: N/A
Luminaire Lumens: 2555.0 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	412680	412680	412680
5°	396674	394513	393078
10°	380555	378387	375833
15°	370967	366902	366527
20°	355445	352787	350496
25°	329088	331444	325136
30°	302276	307645	296071
35°	249288	261061	239679
40°	158723	170864	158723
45°	11131	73847	12129
50°	5010	15031	5010
55°	5615	5615	5615
60°	5718	5718	5718
65°	5094	5909	5094
70°	5237	6294	5237
75°	5523	5523	5523
80°	6149	6149	6149
85°	4150	8299	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 73847 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.9	8.4
10°-20°	578.9	22.7
20°-30°	795.7	31.1
30°-40°	728.8	28.5
40°-50°	193.4	7.6
50°-60°	17.3	0.7
60°-70°	14.1	0.6
70°-80°	9.4	0.4
80°-90°	3.6	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°	1588.5	62.2
0°-40°	2317.3	90.7
0°-60°	2528.0	98.9
0°-90°	2555.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2555.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2396	2396	2396	2396	2396	
5°	2294	2284	2282	2278	2274	215
15°	2081	2062	2058	2058	2056	584
25°	1732	1738	1744	1724	1711	796
35°	1186	1204	1242	1186	1140	719
45°	46	156	303	158	50	137
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°	2396.2	2396.2	2396.2	2396.2	2396.2
1°	2396.2	2392.1	2396.2	2396.2	2392.1
2°	2377.5	2373.4	2375.5	2373.4	2371.3
3°	2350.5	2344.3	2346.4	2342.2	2338.1
4°	2319.4	2313.2	2313.2	2311.1	2306.9
5°	2294.5	2284.1	2282.0	2277.9	2273.7
6°	2265.4	2255.0	2253.0	2246.7	2242.6
7°	2236.3	2228.0	2226.0	2217.7	2217.7
8°	2213.5	2203.1	2203.1	2192.7	2192.7
9°	2194.8	2182.4	2182.4	2174.0	2169.9
10°	2176.1	2163.7	2163.7	2153.3	2149.1
11°	2157.4	2147.1	2142.9	2136.7	2134.6
12°	2140.8	2126.3	2122.1	2120.1	2115.9
13°	2120.1	2105.5	2101.4	2099.3	2097.2
14°	2101.4	2082.7	2080.6	2076.5	2078.5
15°	2080.6	2061.9	2057.8	2057.8	2055.7
17.5°	2016.2	2003.8	1997.5	1993.4	1989.2
20°	1939.4	1929.0	1924.9	1916.6	1912.4
22.5°	1839.7	1837.7	1835.6	1825.2	1808.6
25°	1731.8	1738.0	1744.2	1723.5	1711.0
27.5°	1627.9	1644.6	1650.8	1630.0	1603.0
30°	1520.0	1534.5	1547.0	1517.9	1488.8
32.5°	1364.2	1399.5	1418.2	1385.0	1318.5
35°	1185.7	1204.3	1241.7	1185.7	1140.0
37.5°	978.0	988.4	1017.5	980.1	948.9
40°	706.0	737.1	760.0	737.1	706.0
42.5°	317.7	444.4	502.5	469.3	332.2
45°	45.7	155.7	303.2	157.8	49.8
47.5°	18.7	24.9	157.8	22.8	18.7
50°	18.7	18.7	56.1	18.7	18.7
52.5°	18.7	18.7	20.8	18.7	18.7
55°	18.7	18.7	18.7	18.7	18.7
57.5°	16.6	16.6	18.7	16.6	16.6
60°	16.6	16.6	16.6	16.6	16.6
62.5°	14.5	16.6	16.6	16.6	14.5
65°	12.5	14.5	14.5	14.5	12.5
67.5°	12.5	12.5	12.5	12.5	12.5
70°	10.4	12.5	12.5	12.5	10.4
72.5°	10.4	10.4	10.4	10.4	10.4
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°	4.2	4.2	4.2	4.2	4.2
85°	2.1	4.2	4.2	4.2	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)