

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: P1307424

Luminaire Tested: P3SQAS24R709027D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307424
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: P3SQAS24R709027D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

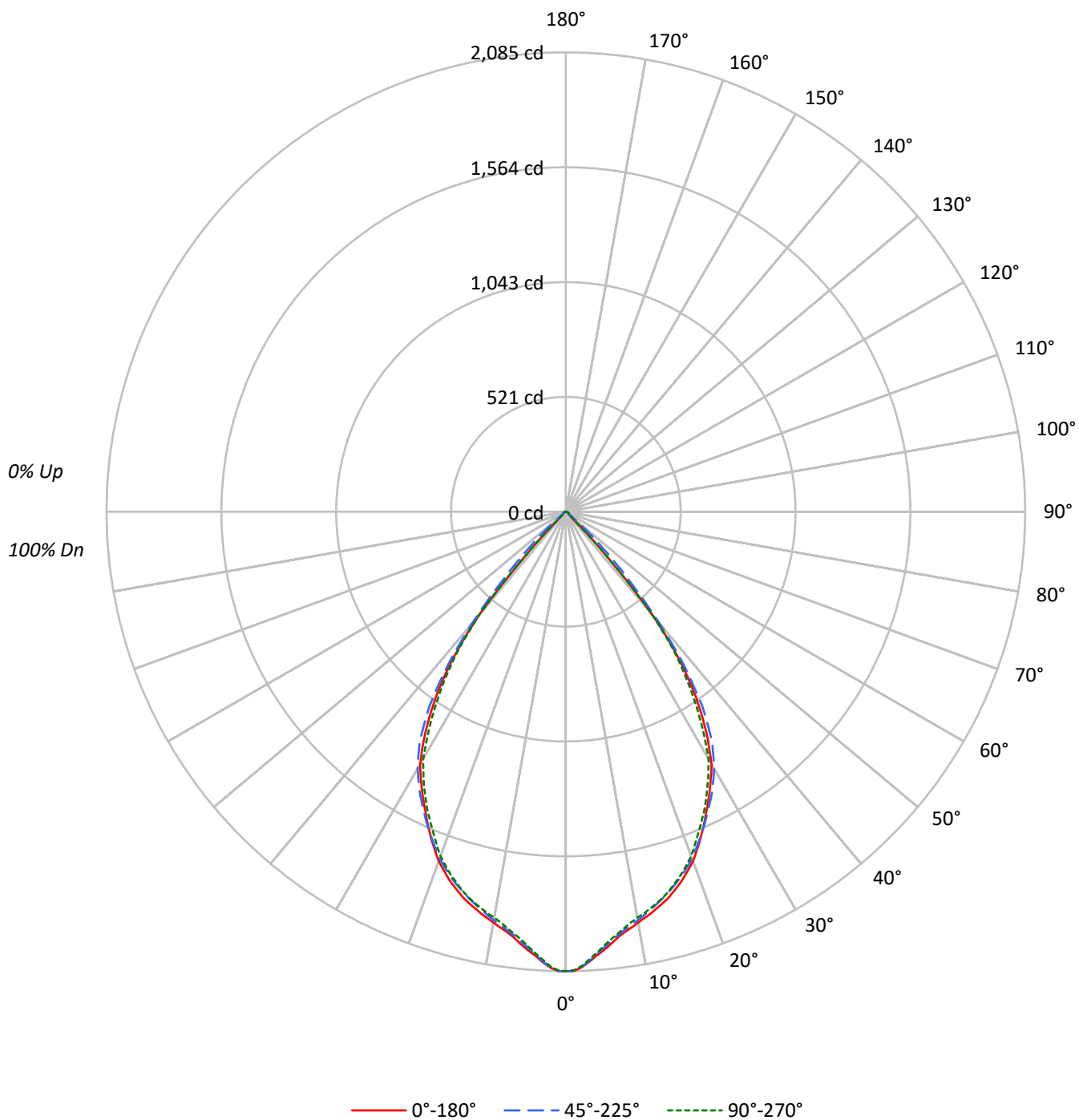
Lumens per Lamp: N/A
Luminaire Lumens: 2223.0 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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°	359067	359067	359067
5°	345121	343254	342009
10°	331117	329211	327007
15°	322773	319225	318904
20°	309259	306950	304952
25°	286313	288384	282893
30°	263000	267653	257610
35°	216889	227149	208521
40°	138107	148651	138107
45°	9669	64251	10570
50°	4367	13075	4367
55°	4894	4894	4894
60°	4994	4994	4994
65°	4401	5135	4401
70°	4532	5438	4532
75°	4791	4791	4791
80°	5356	5356	5356
85°	3557	7114	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 64251 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.1	8.4
10°-20°	503.7	22.7
20°-30°	692.3	31.1
30°-40°	634.1	28.5
40°-50°	168.3	7.6
50°-60°	15.1	0.7
60°-70°	12.2	0.6
70°-80°	8.1	0.4
80°-90°	3.1	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°	1382.1	62.2
0°-40°	2016.2	90.7
0°-60°	2199.6	98.9
0°-90°	2223.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2223.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2085	2085	2085	2085	2085	
5°	1996	1987	1986	1982	1978	187
15°	1810	1794	1790	1790	1789	508
25°	1507	1512	1518	1500	1489	693
35°	1032	1048	1080	1032	992	626
45°	40	136	264	137	43	119
55°	16	16	16	16	16	14
65°	11	13	13	13	11	11
75°	7	7	7	7	7	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°	2084.9	2084.9	2084.9	2084.9	2084.9
1°	2084.9	2081.2	2084.9	2084.9	2081.2
2°	2068.6	2065.0	2066.8	2065.0	2063.2
3°	2045.1	2039.7	2041.5	2037.9	2034.3
4°	2018.0	2012.6	2012.6	2010.8	2007.2
5°	1996.3	1987.3	1985.5	1981.9	1978.3
6°	1971.0	1962.0	1960.2	1954.8	1951.2
7°	1945.7	1938.5	1936.7	1929.5	1929.5
8°	1925.9	1916.8	1916.8	1907.8	1907.8
9°	1909.6	1898.8	1898.8	1891.5	1887.9
10°	1893.4	1882.5	1882.5	1873.5	1869.9
11°	1877.1	1868.1	1864.4	1859.0	1857.2
12°	1862.6	1850.0	1846.4	1844.6	1841.0
13°	1844.6	1831.9	1828.3	1826.5	1824.7
14°	1828.3	1812.1	1810.3	1806.6	1808.4
15°	1810.3	1794.0	1790.4	1790.4	1788.6
17.5°	1754.2	1743.4	1738.0	1734.4	1730.8
20°	1687.4	1678.4	1674.8	1667.5	1663.9
22.5°	1600.7	1598.9	1597.1	1588.0	1573.6
25°	1506.7	1512.2	1517.6	1499.5	1488.7
27.5°	1416.4	1430.9	1436.3	1418.2	1394.7
30°	1322.5	1335.1	1345.9	1320.7	1295.4
32.5°	1187.0	1217.7	1233.9	1205.0	1147.2
35°	1031.6	1047.8	1080.4	1031.6	991.8
37.5°	850.9	860.0	885.3	852.7	825.6
40°	614.3	641.4	661.2	641.4	614.3
42.5°	276.4	386.6	437.2	408.3	289.1
45°	39.7	135.5	263.8	137.3	43.4
47.5°	16.3	21.7	137.3	19.9	16.3
50°	16.3	16.3	48.8	16.3	16.3
52.5°	16.3	16.3	18.1	16.3	16.3
55°	16.3	16.3	16.3	16.3	16.3
57.5°	14.5	14.5	16.3	14.5	14.5
60°	14.5	14.5	14.5	14.5	14.5
62.5°	12.6	14.5	14.5	14.5	12.6
65°	10.8	12.6	12.6	12.6	10.8
67.5°	10.8	10.8	10.8	10.8	10.8
70°	9.0	10.8	10.8	10.8	9.0
72.5°	9.0	9.0	9.0	9.0	9.0
75°	7.2	7.2	7.2	7.2	7.2
77.5°	5.4	7.2	7.2	7.2	5.4
80°	5.4	5.4	5.4	5.4	5.4
82.5°	3.6	3.6	3.6	3.6	3.6
85°	1.8	3.6	3.6	3.6	1.8
87.5°	1.8	1.8	1.8	1.8	1.8



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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)