

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: P1305971

Luminaire Tested: P3SQAS13R509024DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305971
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R509024DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

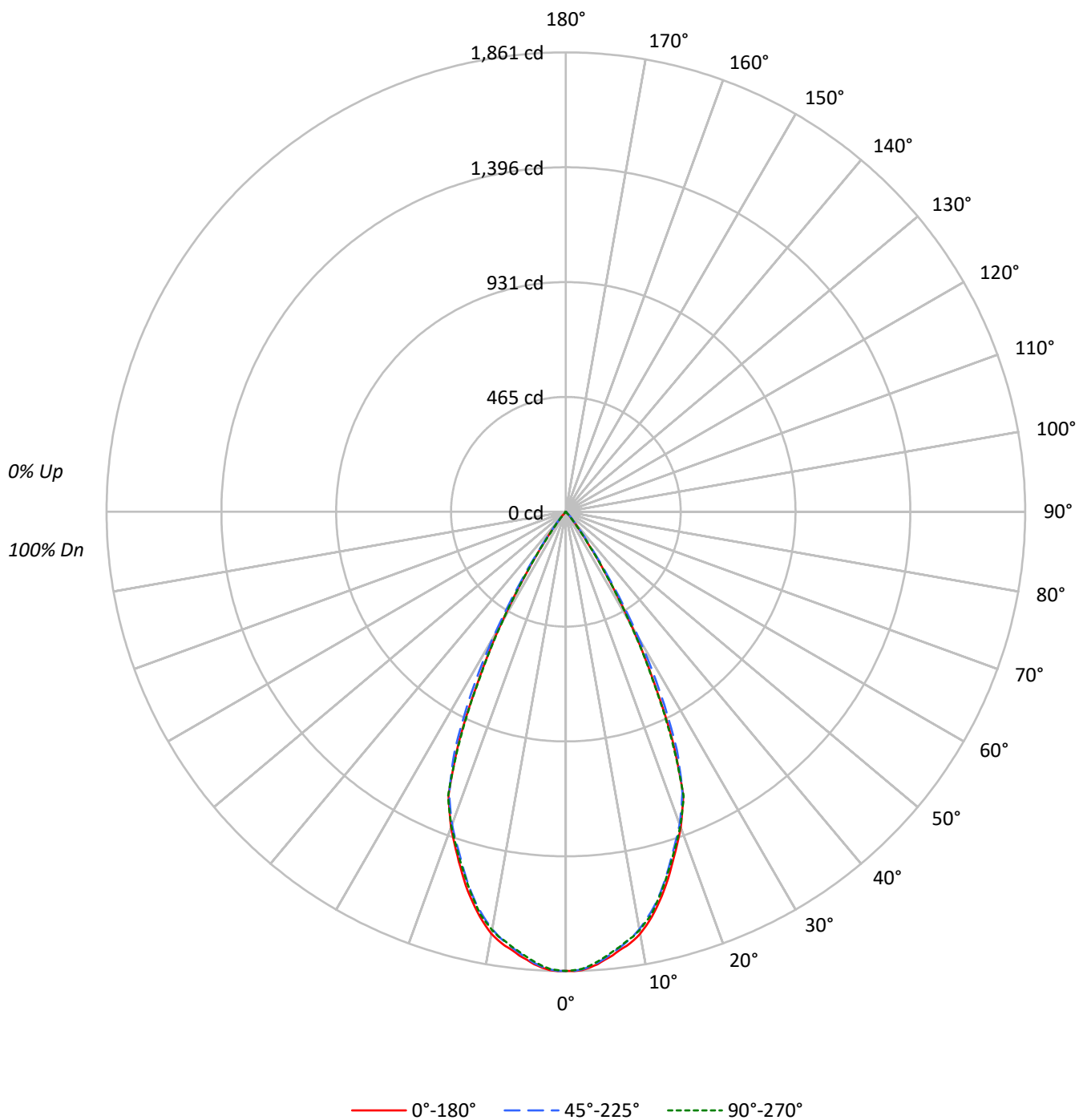
Lumens per Lamp: N/A
Luminaire Lumens: 1198.0 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	320403	320403	320403
5°	314815	313916	313035
10°	303608	300320	300915
15°	279304	275791	276540
20°	249401	247037	248467
25°	194112	202245	191984
30°	105140	117410	103271
35°	33156	39463	32420
40°	7329	10207	6924
45°	219	3142	219
50°	0	455	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: 3142 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.4	14.2
10°-20°	433.1	36.1
20°-30°	456.1	38.1
30°-40°	130.3	10.9
40°-50°	8.1	0.7
50°-60°	0.0	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°	1059.6	88.4
0°-40°	1189.9	99.3
0°-60°	1198.0	100.0
0°-90°	1198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1198.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1860	1860	1860	1860	1860	
5°	1821	1819	1816	1814	1811	171
15°	1566	1556	1547	1549	1551	436
25°	1022	1059	1064	1052	1010	447
35°	158	169	188	159	154	123
45°	1	4	13	4	1	5
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1860.4	1860.4	1860.4	1860.4	1860.4
1°	1861.2	1862.1	1860.4	1862.1	1857.8
2°	1858.7	1857.0	1855.2	1856.1	1853.5
3°	1849.2	1848.4	1845.0	1845.8	1842.4
4°	1837.3	1834.7	1832.1	1830.4	1827.0
5°	1821.0	1819.3	1815.8	1814.1	1810.7
6°	1807.3	1803.8	1797.8	1796.1	1792.7
7°	1789.3	1787.6	1779.8	1778.1	1776.4
8°	1775.6	1770.4	1761.0	1761.8	1757.6
9°	1757.6	1750.7	1741.3	1741.3	1742.1
10°	1736.1	1725.9	1717.3	1719.9	1720.7
11°	1707.9	1701.0	1688.1	1694.1	1694.1
12°	1677.0	1668.4	1659.0	1664.2	1667.6
13°	1641.0	1634.2	1625.6	1630.7	1629.0
14°	1605.9	1593.0	1587.0	1593.9	1591.3
15°	1566.5	1556.2	1546.8	1549.3	1551.0
17.5°	1461.1	1449.9	1443.1	1443.9	1451.6
20°	1360.8	1356.5	1347.9	1351.4	1355.7
22.5°	1242.5	1244.3	1234.0	1236.5	1246.8
25°	1021.5	1059.2	1064.3	1052.3	1010.3
27.5°	756.7	813.2	830.4	802.9	751.5
30°	528.7	544.1	590.4	538.2	519.3
32.5°	310.2	333.3	358.2	322.2	309.4
35°	157.7	168.8	187.7	159.4	154.2
37.5°	72.8	78.0	85.7	72.8	68.6
40°	32.6	38.6	45.4	36.8	30.8
42.5°	10.3	18.0	24.0	16.3	9.4
45°	0.9	4.3	12.9	4.3	0.9
47.5°	0.0	0.9	5.1	0.9	0.0
50°	0.0	0.0	1.7	0.0	0.0
52.5°	0.0	0.0	0.0	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



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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)