

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: P1314436

Luminaire Tested: P3SQAS13R509735DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314436
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: P3SQAS13R509735DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

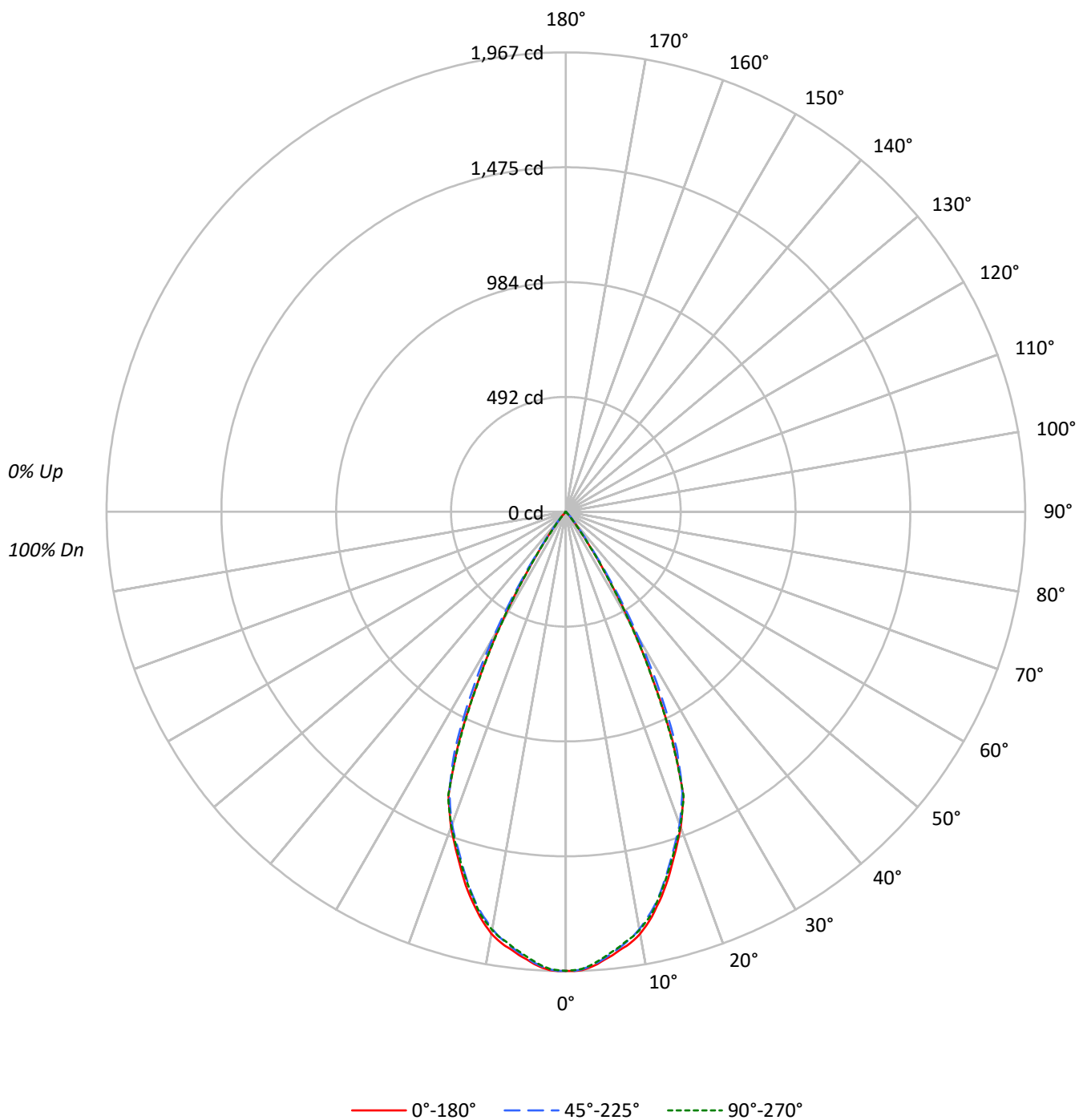
Lumens per Lamp: N/A
Luminaire Lumens: 1266.0 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	338590	338590	338590
5°	332674	331740	330807
10°	320851	317371	318001
15°	295155	291428	292248
20°	263550	261076	262560
25°	205115	213723	202891
30°	111106	124072	109137
35°	35027	41692	34270
40°	7734	10791	7329
45°	219	3312	219
50°	0	482	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: 3312 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.1	14.2
10°-20°	457.6	36.1
20°-30°	482.0	38.1
30°-40°	137.7	10.9
40°-50°	8.5	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°	1119.8	88.4
0°-40°	1257.4	99.3
0°-60°	1266.0	100.0
0°-90°	1266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1266.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1966	1966	1966	1966	1966	
5°	1924	1922	1919	1917	1914	181
15°	1655	1644	1634	1637	1639	461
25°	1079	1119	1125	1112	1068	472
35°	167	178	198	168	163	130
45°	1	4	14	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°	1966.0	1966.0	1966.0	1966.0	1966.0
1°	1966.9	1967.8	1966.0	1967.8	1963.3
2°	1964.2	1962.4	1960.6	1961.5	1958.7
3°	1954.2	1953.3	1949.7	1950.6	1947.0
4°	1941.5	1938.8	1936.1	1934.3	1930.7
5°	1924.3	1922.5	1918.9	1917.1	1913.5
6°	1909.8	1906.2	1899.9	1898.1	1894.4
7°	1890.8	1889.0	1880.9	1879.1	1877.2
8°	1876.3	1870.9	1860.9	1861.8	1857.3
9°	1857.3	1850.1	1840.1	1840.1	1841.0
10°	1834.7	1823.8	1814.8	1817.5	1818.4
11°	1804.8	1797.6	1784.0	1790.3	1790.3
12°	1772.2	1763.1	1753.2	1758.6	1762.2
13°	1734.2	1726.9	1717.9	1723.3	1721.5
14°	1697.0	1683.5	1677.1	1684.4	1681.6
15°	1655.4	1644.5	1634.5	1637.3	1639.1
17.5°	1544.0	1532.2	1525.0	1525.9	1534.0
20°	1438.0	1433.5	1424.5	1428.1	1432.6
22.5°	1313.1	1314.9	1304.0	1306.7	1317.6
25°	1079.4	1119.3	1124.7	1112.0	1067.7
27.5°	799.6	859.4	877.5	848.5	794.2
30°	558.7	575.0	623.9	568.7	548.8
32.5°	327.8	352.3	378.5	340.5	326.9
35°	166.6	178.4	198.3	168.4	163.0
37.5°	77.0	82.4	90.6	77.0	72.4
40°	34.4	40.8	48.0	38.9	32.6
42.5°	10.9	19.0	25.4	17.2	10.0
45°	0.9	4.5	13.6	4.5	0.9
47.5°	0.0	0.9	5.4	0.9	0.0
50°	0.0	0.0	1.8	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)