

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: P1317163

Luminaire Tested: P3SQAS13R459830DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317163
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R459830DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

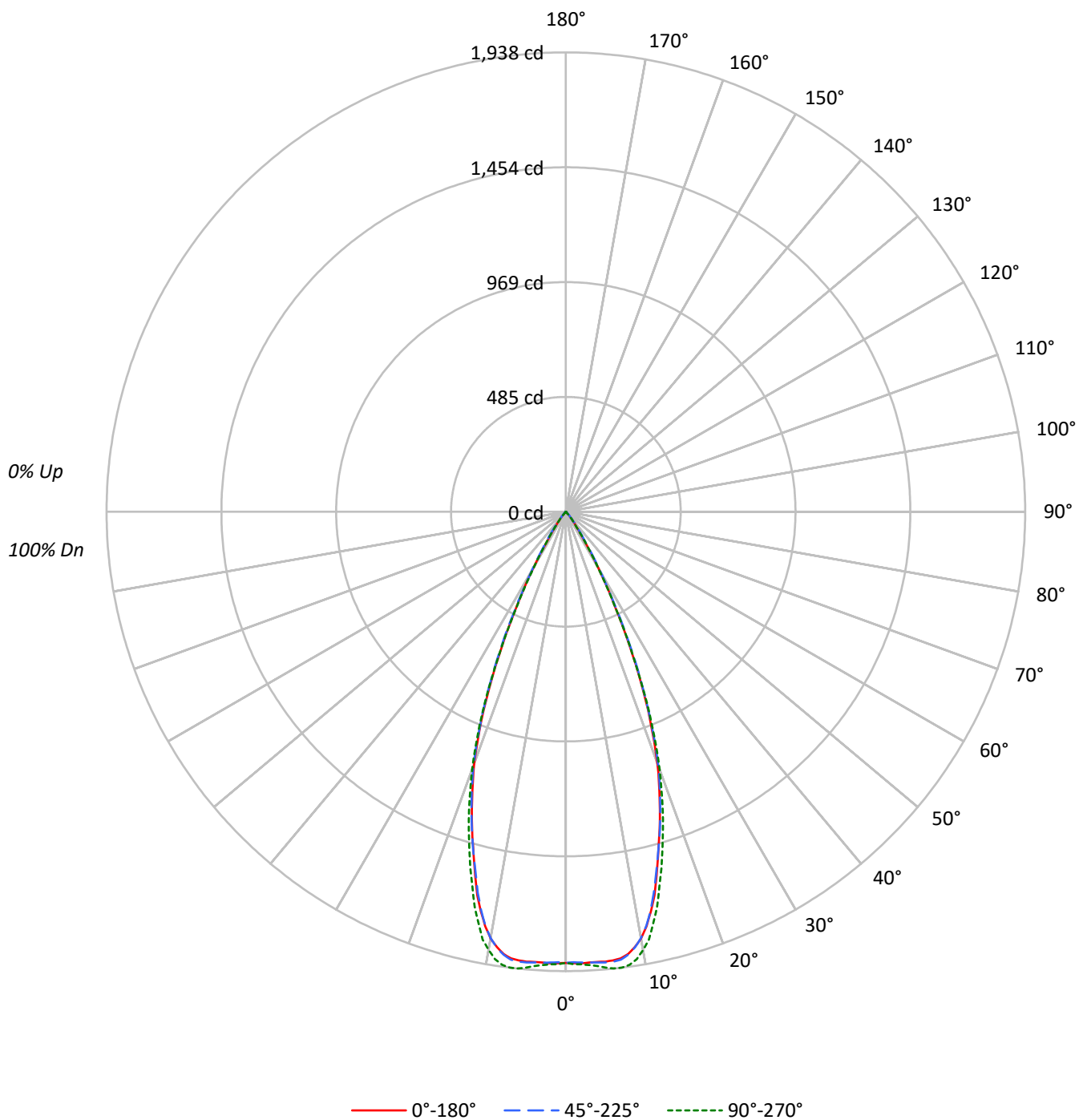
Lumens per Lamp: N/A
Luminaire Lumens: 985.0 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	327774	327774	327774
5°	329389	330029	333780
10°	319610	319365	328249
15°	267857	267732	277574
20°	207065	209209	212123
25°	126938	129560	127223
30°	54430	56895	52699
35°	17093	20604	16630
40°	5868	7509	5710
45°	1072	3191	877
50°	589	1179	589
55°	661	661	661
60°	517	517	517
65°	611	611	611
70°	352	352	352
75°	466	466	466
80°	694	694	694
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3191 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.9	18.4
10°-20°	418.0	42.4
20°-30°	306.0	31.1
30°-40°	67.6	6.9
40°-50°	8.3	0.8
50°-60°	2.0	0.2
60°-70°	1.4	0.1
70°-80°	0.8	0.1
80°-90°	0.1	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°	904.9	91.9
0°-40°	972.5	98.7
0°-60°	982.7	99.8
0°-90°	985.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	985.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1903	1903	1903	1903	1903	
5°	1905	1904	1909	1923	1931	180
15°	1502	1494	1502	1538	1557	415
25°	668	667	682	677	670	303
35°	81	86	98	86	79	64
45°	4	7	13	7	4	6
55°	2	2	2	2	2	2
65°	2	2	2	2	2	1
75°	1	1	1	1	1	1
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°	1903.2	1903.2	1903.2	1903.2	1903.2
1°	1904.6	1901.7	1901.0	1906.1	1909.7
2°	1906.1	1902.4	1903.2	1908.2	1910.4
3°	1904.6	1901.0	1904.6	1911.9	1914.8
4°	1903.9	1902.4	1906.1	1916.2	1921.3
5°	1905.3	1903.9	1909.0	1922.8	1930.7
6°	1903.2	1901.0	1908.2	1925.7	1937.3
7°	1898.1	1895.9	1903.9	1924.9	1938.0
8°	1884.3	1879.9	1887.9	1914.0	1930.0
9°	1859.6	1853.8	1861.8	1892.3	1911.1
10°	1827.6	1821.1	1826.2	1856.0	1877.0
11°	1781.9	1773.2	1779.0	1810.9	1838.5
12°	1723.8	1711.5	1718.7	1755.0	1774.6
13°	1660.6	1649.0	1650.5	1683.1	1710.7
14°	1582.2	1567.0	1573.5	1607.6	1629.4
15°	1502.3	1494.4	1501.6	1537.9	1556.8
17.5°	1319.4	1318.6	1325.2	1352.0	1362.2
20°	1129.8	1132.0	1141.5	1156.0	1157.4
22.5°	905.5	906.2	916.4	926.5	924.3
25°	668.0	667.3	681.8	676.7	669.5
27.5°	442.9	445.8	458.9	449.5	442.2
30°	273.7	279.6	286.1	274.5	265.0
32.5°	148.1	157.6	167.0	156.8	147.4
35°	81.3	85.7	98.0	85.7	79.1
37.5°	47.2	49.4	57.4	49.4	45.0
40°	26.1	29.8	33.4	29.8	25.4
42.5°	10.9	16.7	20.3	16.7	10.9
45°	4.4	7.3	13.1	7.3	3.6
47.5°	2.2	2.9	8.0	2.9	2.2
50°	2.2	2.2	4.4	2.2	2.2
52.5°	2.2	2.2	2.2	2.2	2.2
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.2	2.2	2.2	2.2	2.2
60°	1.5	1.5	1.5	2.2	1.5
62.5°	1.5	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	0.7	0.7	0.7	1.5	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7
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)