

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: P1316828

Luminaire Tested: P3SQAS05R309830DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R309830DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

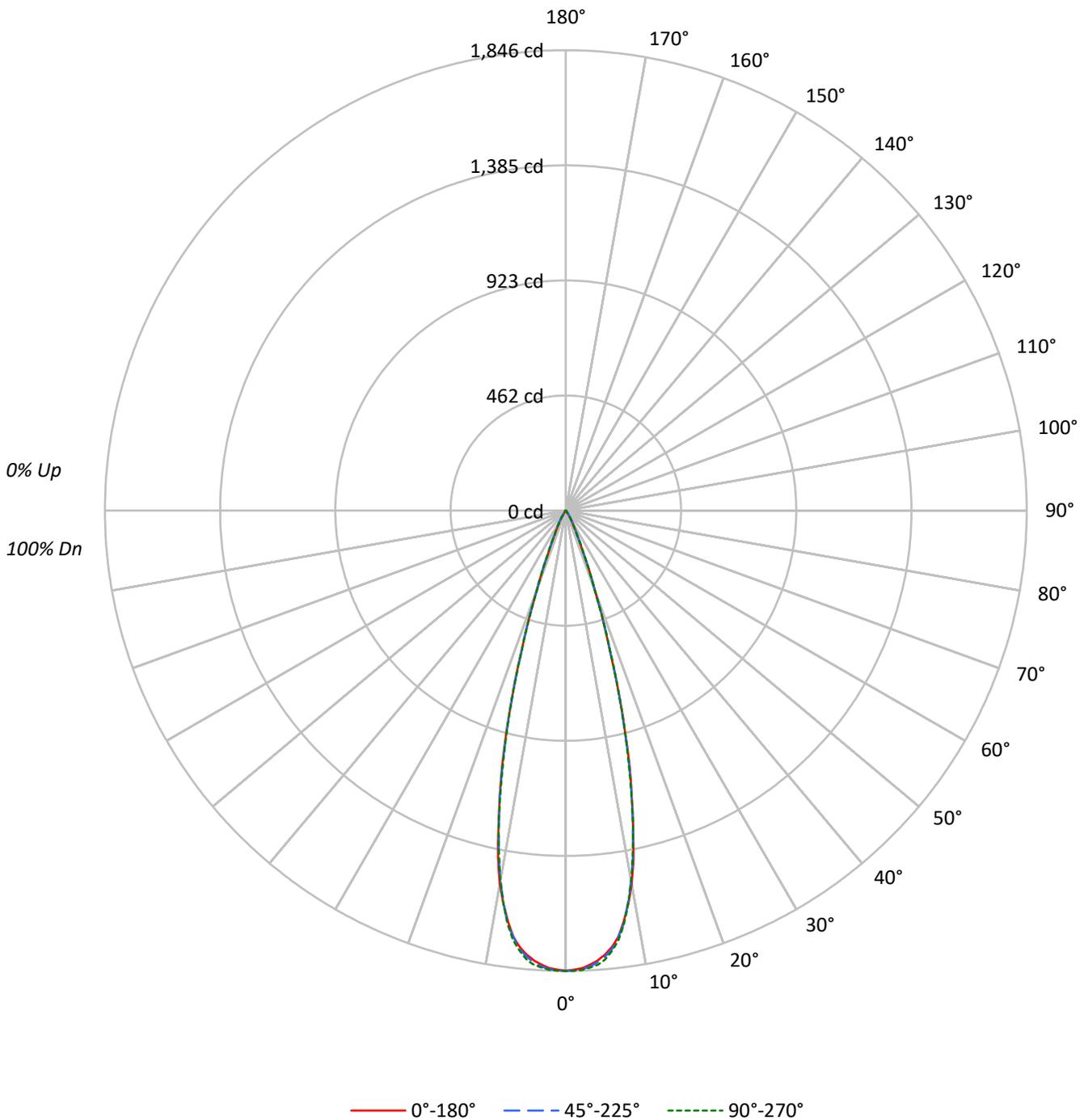
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 480.0 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (A_{in}): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	317854	317854	317854
5°	309145	310493	312412
10°	265834	263561	263823
15°	163339	162019	162162
20°	62167	62295	61141
25°	19782	20827	19839
30°	7955	9864	8173
35°	2565	4352	2565
40°	1169	1911	1169
45°	463	804	463
50°	188	402	188
55°	210	210	210
60°	241	241	241
65°	163	163	163
70°	201	201	201
75°	266	266	266
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 804 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.8	33.9
10°-20°	241.5	50.3
20°-30°	60.0	12.5
30°-40°	12.0	2.5
40°-50°	2.2	0.5
50°-60°	0.6	0.1
60°-70°	0.5	0.1
70°-80°	0.4	0.1
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°	464.3	96.7
0°-40°	476.3	99.2
0°-60°	479.1	99.8
0°-90°	480.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	480.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1846	1846	1846	1846	1846	
5°	1788	1794	1796	1799	1807	163
15°	916	918	909	912	910	242
25°	104	106	110	108	104	58
35°	12	16	21	16	12	10
45°	2	2	3	3	2	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
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°	1845.6	1845.6	1845.6	1845.6	1845.6
1°	1841.5	1843.7	1845.2	1845.2	1845.2
2°	1836.3	1837.8	1840.0	1840.4	1843.4
3°	1824.1	1827.4	1831.2	1833.4	1834.9
4°	1809.3	1813.7	1816.0	1821.5	1826.3
5°	1788.2	1794.1	1796.0	1798.6	1807.1
6°	1759.7	1764.1	1767.8	1768.9	1774.1
7°	1721.9	1724.1	1723.4	1725.2	1734.5
8°	1664.5	1665.3	1671.6	1667.5	1673.8
9°	1596.4	1593.4	1591.9	1594.9	1595.3
10°	1520.1	1510.1	1507.1	1504.5	1508.6
11°	1421.2	1408.3	1409.4	1408.6	1402.7
12°	1298.3	1296.8	1287.2	1289.0	1297.9
13°	1172.8	1175.3	1173.5	1175.7	1165.7
14°	1055.0	1042.4	1045.7	1033.1	1038.0
15°	916.1	918.0	908.7	911.7	909.5
17.5°	586.6	590.6	587.7	585.1	589.2
20°	339.2	338.8	339.9	336.6	333.6
22.5°	178.5	181.1	184.4	184.8	187.0
25°	104.1	106.3	109.6	108.1	104.4
27.5°	63.7	67.8	72.9	69.2	64.8
30°	40.0	43.3	49.6	43.7	41.1
32.5°	22.6	27.4	32.6	27.4	22.6
35°	12.2	15.9	20.7	15.6	12.2
37.5°	8.1	9.3	13.7	9.3	8.1
40°	5.2	6.3	8.5	6.3	5.2
42.5°	3.0	4.1	4.8	4.1	3.0
45°	1.9	2.2	3.3	2.6	1.9
47.5°	0.7	1.1	2.2	1.1	1.1
50°	0.7	0.7	1.5	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
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)