

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: P1314077

Luminaire Tested: P3SQAS05R359735DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314077
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R359735DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

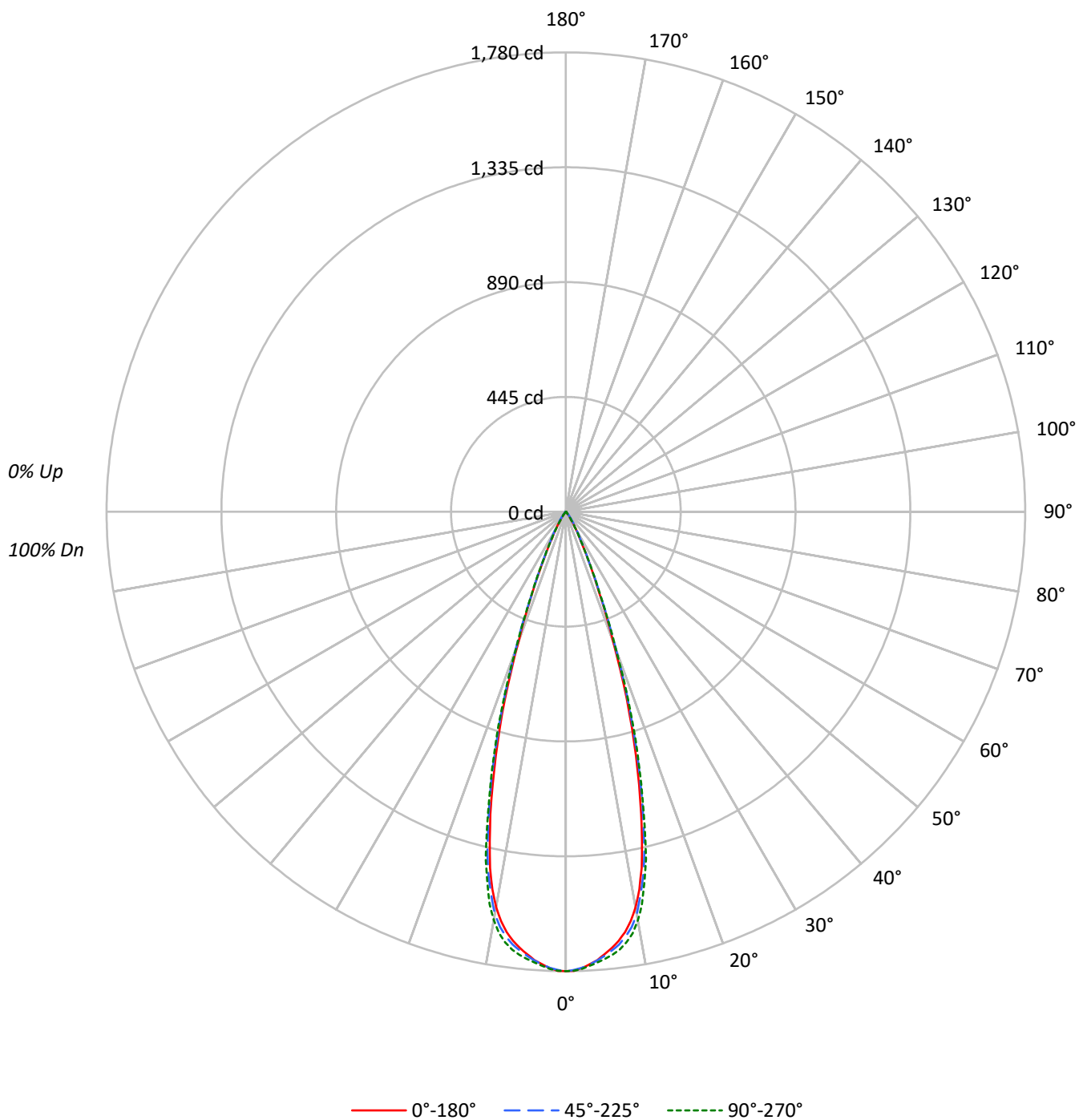
Lumens per Lamp: N/A
Luminaire Lumens: 598.0 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	90	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	87	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	84	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	81	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	78	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	76	76	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	73	73	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	71	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	306608	306608	306608
5°	297527	298582	300587
10°	272165	276887	281136
15°	195361	202511	204597
20°	98272	103991	104247
25°	37245	38404	38575
30°	15134	17361	14855
35°	5487	8347	5298
40°	2316	3575	2203
45°	560	1486	560
50°	375	616	375
55°	420	420	420
60°	482	482	482
65°	367	367	367
70°	252	252	252
75°	333	333	333
80°	496	496	496
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1486 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.0	26.9
10°-20°	299.9	50.1
20°-30°	107.9	18.0
30°-40°	22.7	3.8
40°-50°	3.9	0.7
50°-60°	1.3	0.2
60°-70°	0.9	0.2
70°-80°	0.5	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°	568.7	95.1
0°-40°	591.3	98.9
0°-60°	596.5	99.7
0°-90°	598.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	598.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1780	1780	1780	1780	1780	
5°	1721	1724	1727	1739	1739	160
15°	1096	1115	1136	1148	1148	292
25°	196	199	202	204	203	104
35°	26	31	40	30	25	20
45°	2	4	6	4	2	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	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°	1780.3	1780.3	1780.3	1780.3	1780.3
1°	1779.3	1779.3	1775.6	1779.8	1778.4
2°	1769.5	1770.5	1768.1	1773.3	1772.8
3°	1756.0	1758.3	1756.5	1763.9	1761.6
4°	1741.5	1743.4	1742.5	1751.8	1750.9
5°	1721.0	1724.3	1727.1	1738.7	1738.7
6°	1700.0	1703.3	1709.3	1721.9	1726.1
7°	1675.7	1679.9	1689.7	1706.5	1709.3
8°	1644.9	1649.6	1663.1	1681.3	1685.1
9°	1606.7	1613.7	1629.1	1651.0	1653.3
10°	1556.3	1561.9	1583.3	1601.5	1607.6
11°	1490.9	1495.6	1514.7	1544.1	1547.9
12°	1411.6	1417.2	1441.9	1461.1	1464.8
13°	1311.3	1322.0	1351.9	1370.5	1380.8
14°	1208.1	1222.6	1244.1	1270.7	1264.1
15°	1095.7	1114.8	1135.8	1147.9	1147.5
17.5°	819.9	831.1	849.8	856.8	866.1
20°	536.2	550.6	567.4	574.0	568.8
22.5°	332.7	336.5	341.6	344.4	343.5
25°	196.0	198.8	202.1	203.9	203.0
27.5°	118.1	124.6	129.3	123.7	120.4
30°	76.1	78.9	87.3	79.8	74.7
32.5°	45.3	51.8	58.8	49.9	43.4
35°	26.1	30.8	39.7	30.3	25.2
37.5°	16.8	19.1	25.7	18.7	16.3
40°	10.3	13.1	15.9	12.1	9.8
42.5°	5.1	7.9	9.3	7.0	5.1
45°	2.3	3.7	6.1	3.7	2.3
47.5°	1.4	1.9	3.7	1.9	1.4
50°	1.4	1.4	2.3	1.4	1.4
52.5°	1.4	1.4	1.4	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	1.4
60°	1.4	1.4	1.4	1.4	1.4
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	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)