

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: P1316829

Luminaire Tested: P3SQAS05R309830DE010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316829
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R309830DE010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

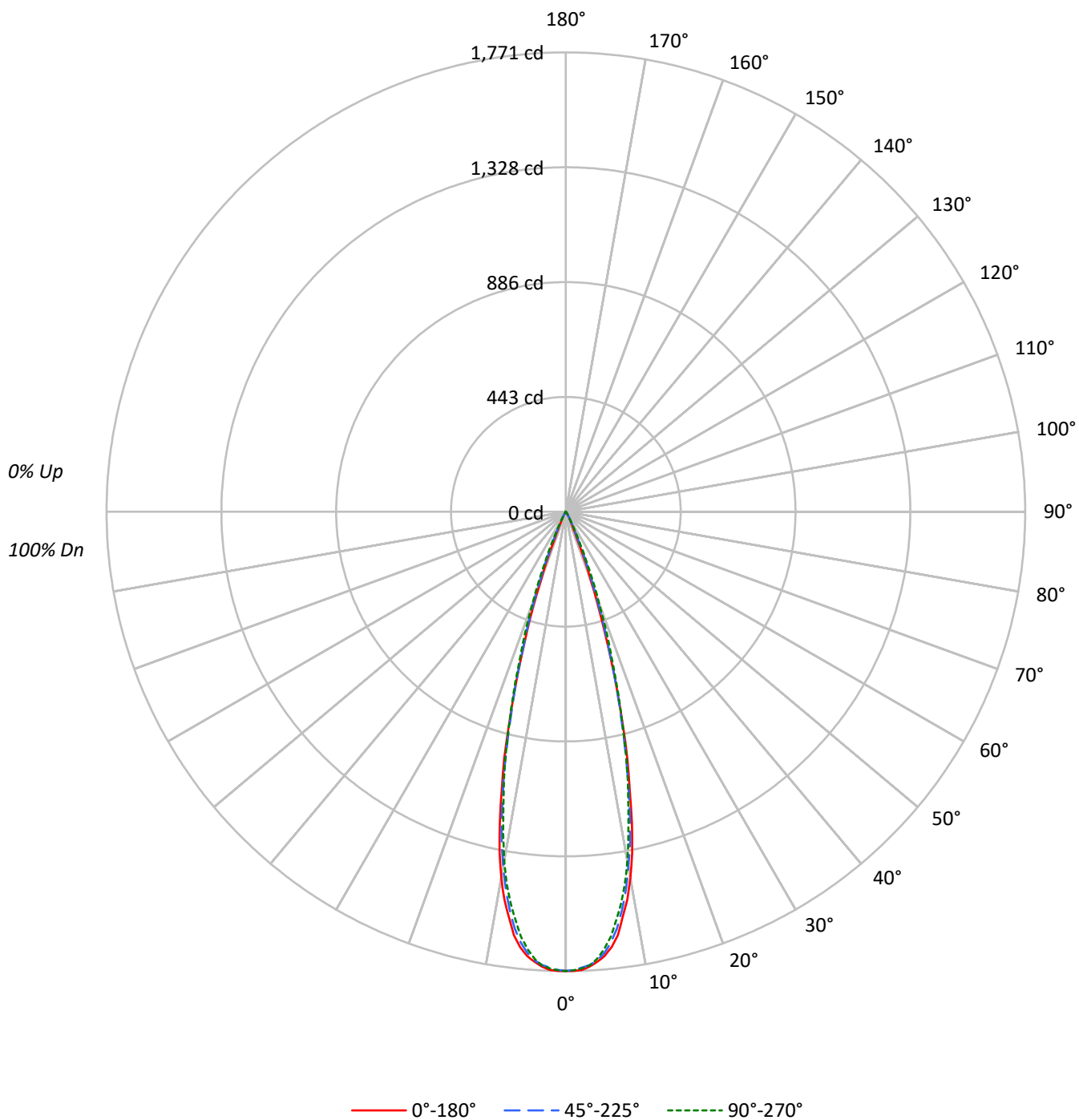
Lumens per Lamp: N/A
Luminaire Lumens: 429.0 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (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	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	84	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	82	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	80	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	304920	304920	304920
5°	297078	295021	292600
10°	250707	242995	239060
15°	151072	146864	149556
20°	51244	59180	68252
25°	9425	14765	17425
30°	3242	3599	4037
35°	925	1156	1240
40°	247	405	337
45°	97	97	97
50°	107	0	107
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: 0°

Vertical Angle: 52.5°

Luminance: 113 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.1	35.7
10°-20°	223.7	52.2
20°-30°	47.3	11.0
30°-40°	4.4	1.0
40°-50°	0.4	0.1
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°	424.2	98.9
0°-40°	428.5	99.9
0°-60°	429.0	100.0
0°-90°	429.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	429.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1770	1770	1770	1770	1770	
5°	1718	1715	1706	1701	1692	155
15°	847	844	824	843	839	224
25°	50	56	78	91	92	36
35°	4	6	6	7	6	4
45°	0	0	0	0	0	0
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°	1770.5	1770.5	1770.5	1770.5	1770.5
1°	1770.9	1769.0	1766.4	1770.1	1767.5
2°	1767.2	1762.7	1759.0	1762.7	1761.6
3°	1756.1	1752.4	1749.8	1751.6	1751.6
4°	1739.4	1735.4	1733.1	1733.5	1728.0
5°	1718.4	1715.0	1706.5	1701.3	1692.5
6°	1687.3	1679.1	1668.8	1660.3	1648.8
7°	1645.1	1632.5	1617.7	1603.0	1588.5
8°	1577.4	1571.5	1551.5	1541.6	1527.1
9°	1513.8	1499.4	1477.9	1461.7	1453.9
10°	1433.6	1412.1	1389.5	1376.6	1367.0
11°	1338.5	1316.7	1298.6	1279.7	1264.9
12°	1226.8	1208.3	1187.6	1175.0	1157.6
13°	1094.4	1091.8	1068.5	1064.4	1062.2
14°	980.9	970.5	947.6	953.9	955.3
15°	847.3	844.4	823.7	842.9	838.8
17.5°	530.7	531.9	544.8	575.1	584.7
20°	279.6	288.1	322.9	359.5	372.4
22.5°	113.2	132.0	167.5	192.3	209.0
25°	49.6	55.5	77.7	91.4	91.7
27.5°	28.1	28.5	37.4	38.8	39.6
30°	16.3	16.6	18.1	19.2	20.3
32.5°	8.9	9.6	10.0	11.5	11.5
35°	4.4	5.5	5.5	6.7	5.9
37.5°	2.6	3.0	3.3	3.3	3.0
40°	1.1	1.5	1.8	1.8	1.5
42.5°	0.4	0.7	0.7	0.7	1.1
45°	0.4	0.4	0.4	0.4	0.4
47.5°	0.4	0.4	0.0	0.4	0.4
50°	0.4	0.0	0.0	0.0	0.4
52.5°	0.4	0.0	0.0	0.0	0.4
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)