

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: P1307702

Luminaire Tested: P3SQAS05R359030DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307702
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: P3SQAS05R359030DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

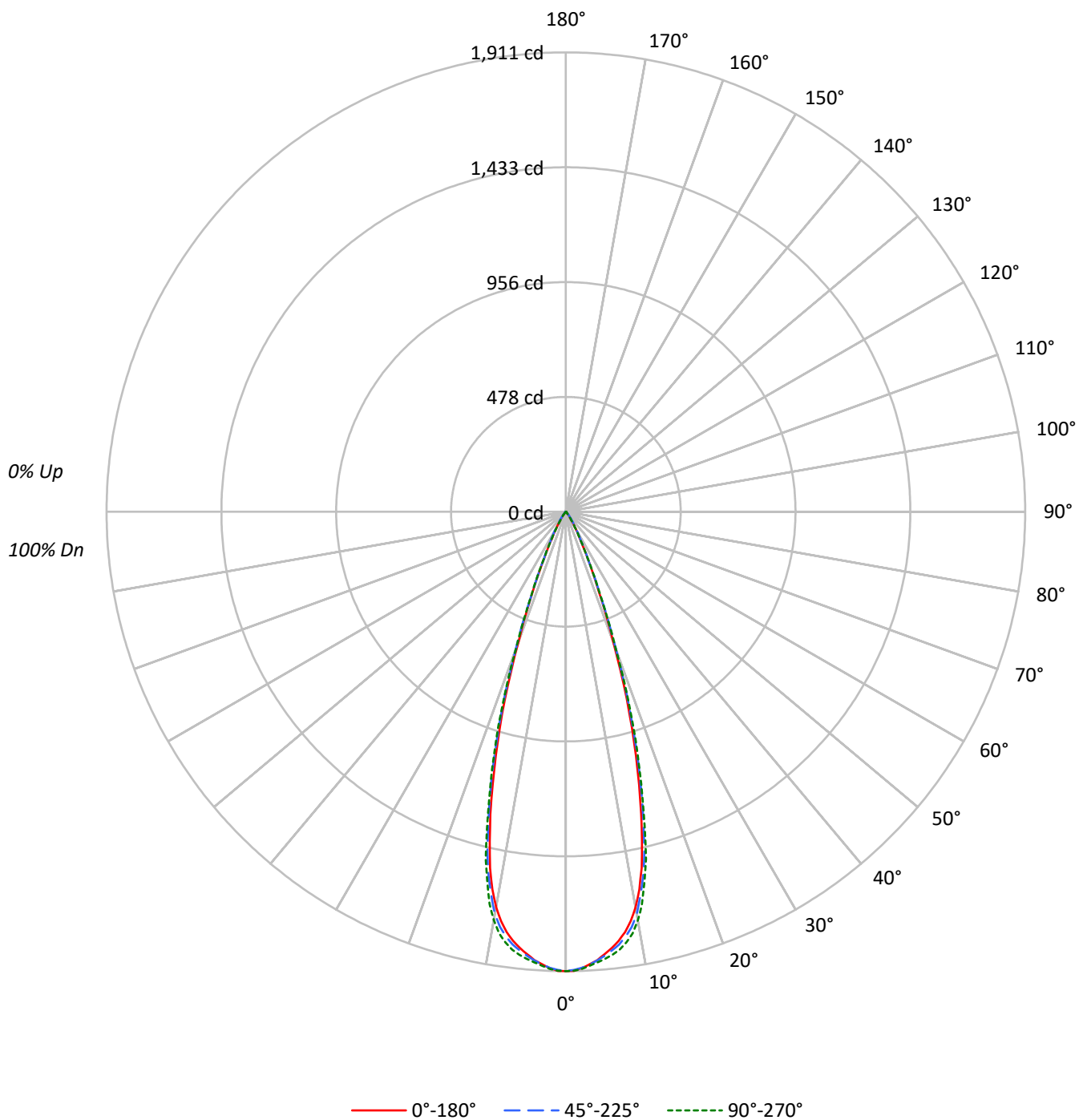
Lumens per Lamp: N/A
Luminaire Lumens: 642.0 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	329152	329152	329152
5°	319414	320538	322716
10°	292189	297260	301824
15°	209732	217417	219645
20°	105493	111651	111926
25°	39982	41217	41407
30°	16247	18634	15949
35°	5908	8956	5698
40°	2473	3822	2361
45°	609	1583	609
50°	402	670	402
55°	450	450	450
60°	517	517	517
65°	408	408	408
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: 1583 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.8	26.9
10°-20°	321.9	50.1
20°-30°	115.8	18.0
30°-40°	24.3	3.8
40°-50°	4.2	0.7
50°-60°	1.4	0.2
60°-70°	1.0	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°	610.5	95.1
0°-40°	634.8	98.9
0°-60°	640.4	99.8
0°-90°	642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	642.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1911	1911	1911	1911	1911	
5°	1848	1851	1854	1867	1867	171
15°	1176	1197	1219	1232	1232	313
25°	210	213	217	219	218	112
35°	28	33	43	33	27	21
45°	2	4	6	4	2	3
55°	2	2	2	2	2	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°	1911.2	1911.2	1911.2	1911.2	1911.2
1°	1910.2	1910.2	1906.2	1910.7	1909.2
2°	1899.7	1900.7	1898.2	1903.7	1903.2
3°	1885.2	1887.7	1885.7	1893.7	1891.2
4°	1869.7	1871.7	1870.7	1880.7	1879.7
5°	1847.6	1851.1	1854.1	1866.7	1866.7
6°	1825.1	1828.6	1835.1	1848.6	1853.1
7°	1799.0	1803.5	1814.1	1832.1	1835.1
8°	1766.0	1771.0	1785.5	1805.0	1809.0
9°	1724.9	1732.4	1748.9	1772.5	1775.0
10°	1670.8	1676.8	1699.8	1719.4	1725.9
11°	1600.6	1605.6	1626.2	1657.7	1661.8
12°	1515.5	1521.5	1548.0	1568.6	1572.6
13°	1407.8	1419.3	1451.3	1471.4	1482.4
14°	1297.0	1312.6	1335.6	1364.2	1357.2
15°	1176.3	1196.8	1219.4	1232.4	1231.9
17.5°	880.2	892.2	912.3	919.8	929.8
20°	575.6	591.2	609.2	616.2	610.7
22.5°	357.2	361.2	366.7	369.7	368.7
25°	210.4	213.4	216.9	218.9	217.9
27.5°	126.7	133.8	138.8	132.8	129.3
30°	81.7	84.7	93.7	85.7	80.2
32.5°	48.6	55.6	63.1	53.6	46.6
35°	28.1	33.1	42.6	32.6	27.1
37.5°	18.0	20.5	27.6	20.0	17.5
40°	11.0	14.0	17.0	13.0	10.5
42.5°	5.5	8.5	10.0	7.5	5.5
45°	2.5	4.0	6.5	4.0	2.5
47.5°	1.5	2.0	4.0	2.0	1.5
50°	1.5	1.5	2.5	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
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)