

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: P1312116

Luminaire Tested: P3SQAS05R309727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312116
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: P3SQAS05R309727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

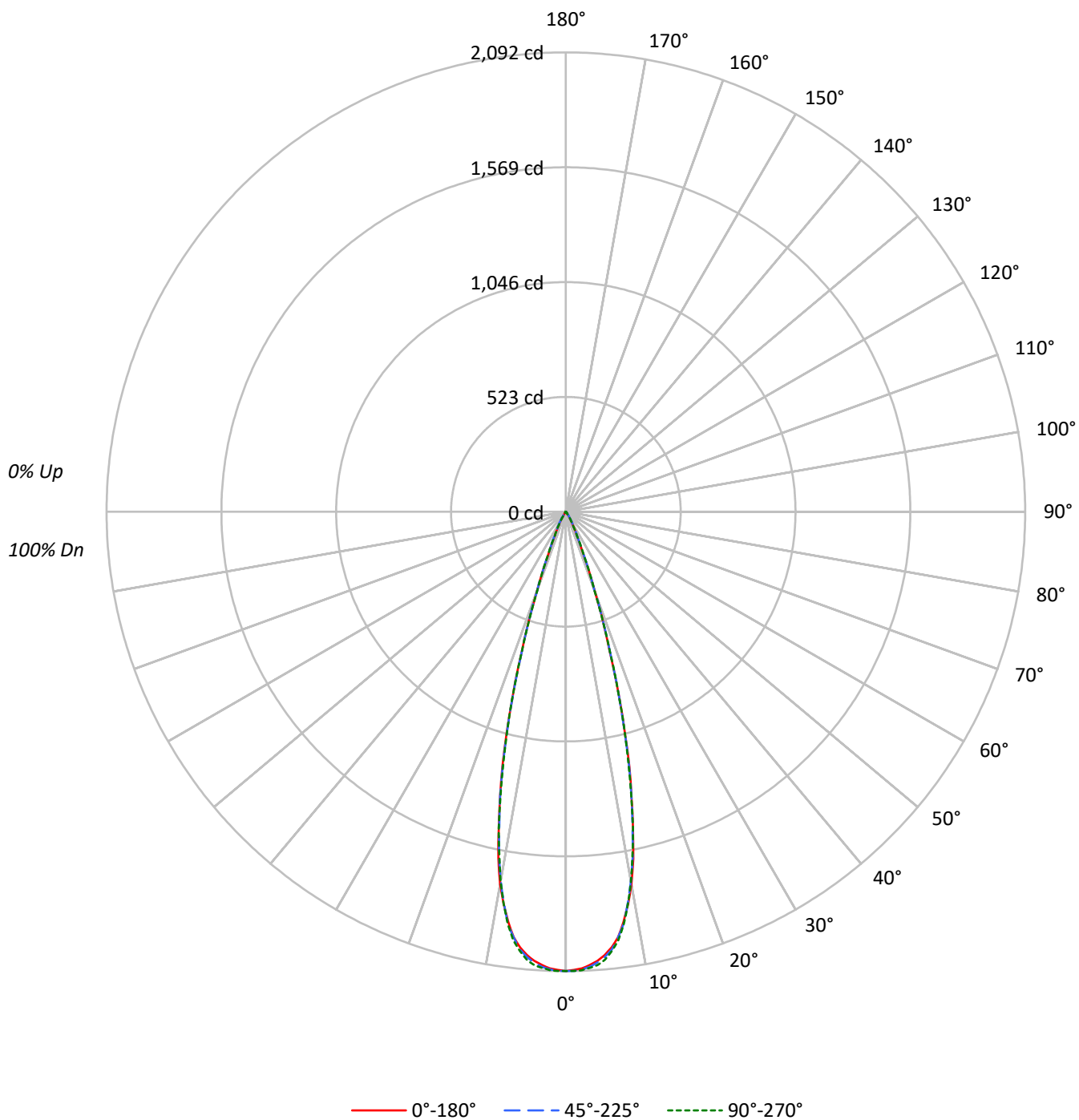
Lumens per Lamp: N/A
Luminaire Lumens: 543.9 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	360238	360238	360238
5°	350360	351881	354059
10°	301282	298712	299009
15°	185127	183629	183772
20°	70451	70616	69296
25°	22404	23601	22480
30°	9009	11176	9267
35°	2901	4941	2901
40°	1326	2181	1326
45°	511	926	511
50°	214	455	214
55°	240	240	240
60°	276	276	276
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: 926 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.5	33.9
10°-20°	273.7	50.3
20°-30°	68.0	12.5
30°-40°	13.6	2.5
40°-50°	2.5	0.5
50°-60°	0.7	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°	526.2	96.7
0°-40°	539.8	99.2
0°-60°	543.0	99.8
0°-90°	543.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	543.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2092	2092	2092	2092	2092	
5°	2027	2033	2035	2038	2048	184
15°	1038	1040	1030	1033	1031	275
25°	118	120	124	122	118	66
35°	14	18	24	18	14	11
45°	2	2	4	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°	2091.7	2091.7	2091.7	2091.7	2091.7
1°	2087.1	2089.6	2091.3	2091.3	2091.3
2°	2081.2	2082.9	2085.4	2085.8	2089.2
3°	2067.3	2071.1	2075.3	2077.8	2079.5
4°	2050.5	2055.6	2058.1	2064.4	2069.8
5°	2026.6	2033.3	2035.4	2038.4	2048.0
6°	1994.3	1999.3	2003.5	2004.8	2010.7
7°	1951.5	1954.0	1953.2	1955.3	1965.8
8°	1886.5	1887.3	1894.4	1889.8	1896.9
9°	1809.2	1805.9	1804.2	1807.6	1808.0
10°	1722.8	1711.4	1708.1	1705.1	1709.8
11°	1610.7	1596.0	1597.3	1596.5	1589.7
12°	1471.4	1469.7	1458.8	1460.9	1471.0
13°	1329.1	1332.1	1330.0	1332.5	1321.1
14°	1195.7	1181.4	1185.2	1170.9	1176.4
15°	1038.3	1040.4	1029.9	1033.2	1030.7
17.5°	664.8	669.4	666.0	663.1	667.7
20°	384.4	384.0	385.3	381.5	378.1
22.5°	202.3	205.2	209.0	209.4	211.9
25°	117.9	120.4	124.2	122.5	118.3
27.5°	72.2	76.8	82.7	78.5	73.4
30°	45.3	49.1	56.2	49.5	46.6
32.5°	25.6	31.1	36.9	31.1	25.6
35°	13.8	18.0	23.5	17.6	13.8
37.5°	9.2	10.5	15.5	10.5	9.2
40°	5.9	7.1	9.7	7.1	5.9
42.5°	3.4	4.6	5.5	4.6	3.4
45°	2.1	2.5	3.8	2.9	2.1
47.5°	0.8	1.3	2.5	1.3	1.3
50°	0.8	0.8	1.7	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	0.8
60°	0.8	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
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)