

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: P1312886

Luminaire Tested: P3SQAS02R209730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R209730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

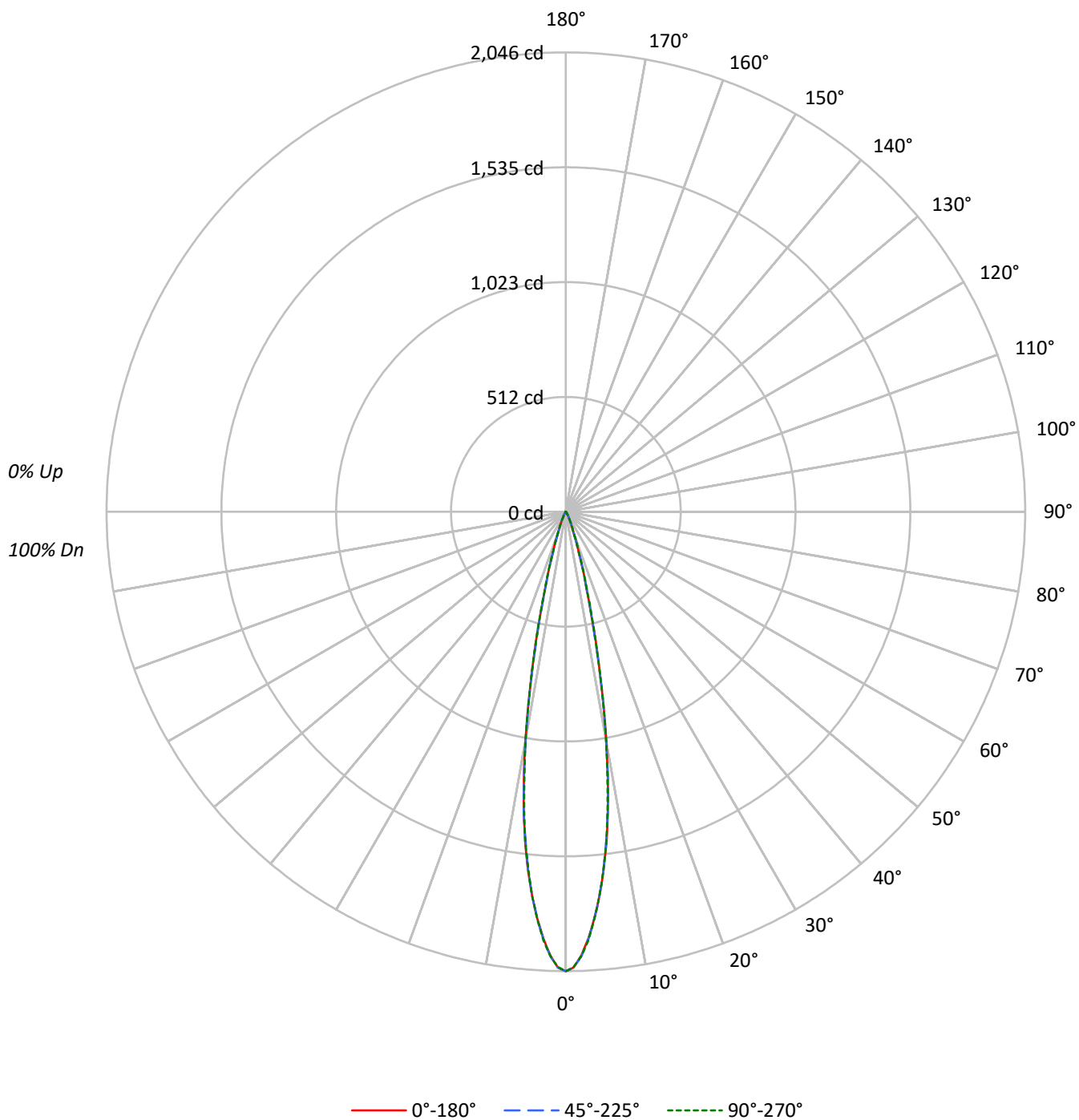
Lumens per Lamp: N/A
Luminaire Lumens: 282.0 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	100	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	95	95	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93	93	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	91	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	89	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87	87	87
7	100	94	91	88	99	94	90	88	92	90	87	92	89	87	91	88	87	86	86	86
8	98	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	84	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	83	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	81	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	352436	352436	352436
5°	297043	297164	297009
10°	181018	180178	180598
15°	63759	64027	66024
20°	20032	20600	20160
25°	7506	8209	7715
30°	2903	4117	3043
35°	1093	1829	1198
40°	585	787	585
45°	219	365	268
50°	107	188	107
55°	120	120	120
60°	69	69	69
65°	82	82	82
70°	101	101	101
75°	0	0	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 365 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.1	50.4
10°-20°	111.4	39.5
20°-30°	21.9	7.8
30°-40°	4.9	1.7
40°-50°	1.1	0.4
50°-60°	0.3	0.1
60°-70°	0.2	0.1
70°-80°	0.1	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°	275.3	97.6
0°-40°	280.2	99.4
0°-60°	281.7	99.9
0°-90°	282.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	282.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2046	2046	2046	2046	2046	
5°	1718	1720	1719	1725	1718	142
15°	358	359	359	367	370	111
25°	40	42	43	42	41	21
35°	5	6	9	6	6	4
45°	1	1	2	1	1	1
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°	2046.4	2046.4	2046.4	2046.4	2046.4
1°	2029.8	2025.4	2030.4	2026.5	2027.4
2°	1977.2	1974.8	1981.3	1977.2	1979.4
3°	1904.1	1901.0	1905.8	1906.1	1912.2
4°	1816.8	1810.9	1818.1	1818.4	1819.4
5°	1718.2	1719.7	1718.9	1724.8	1718.0
6°	1607.4	1612.4	1605.8	1609.1	1599.7
7°	1483.4	1477.1	1473.8	1474.9	1481.5
8°	1346.6	1342.3	1347.1	1340.3	1335.7
9°	1194.6	1186.9	1192.2	1185.6	1179.1
10°	1035.1	1031.6	1030.3	1022.9	1032.7
11°	875.1	864.7	869.9	866.2	876.9
12°	725.5	726.3	716.1	719.4	720.7
13°	590.4	576.4	578.2	587.1	588.7
14°	458.0	459.9	460.6	466.9	470.6
15°	357.6	359.1	359.1	367.0	370.3
17.5°	191.8	191.8	195.9	196.8	197.2
20°	109.3	110.0	112.4	112.1	110.0
22.5°	65.5	66.8	68.1	66.8	65.5
25°	39.5	42.1	43.2	42.5	40.6
27.5°	23.6	26.4	29.5	27.1	23.3
30°	14.6	16.1	20.7	16.6	15.3
32.5°	8.1	10.5	14.2	10.9	8.3
35°	5.2	6.3	8.7	6.3	5.7
37.5°	3.7	4.4	5.5	4.6	3.9
40°	2.6	3.1	3.5	3.3	2.6
42.5°	1.7	2.2	2.4	2.2	1.7
45°	0.9	1.3	1.5	1.3	1.1
47.5°	0.4	0.7	1.1	0.7	0.4
50°	0.4	0.4	0.7	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.2	0.4	0.2
60°	0.2	0.2	0.2	0.2	0.2
62.5°	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.2
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)