

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: P1313858

Luminaire Tested: P3SQAS02R209735DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313858
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: P3SQAS02R209735DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

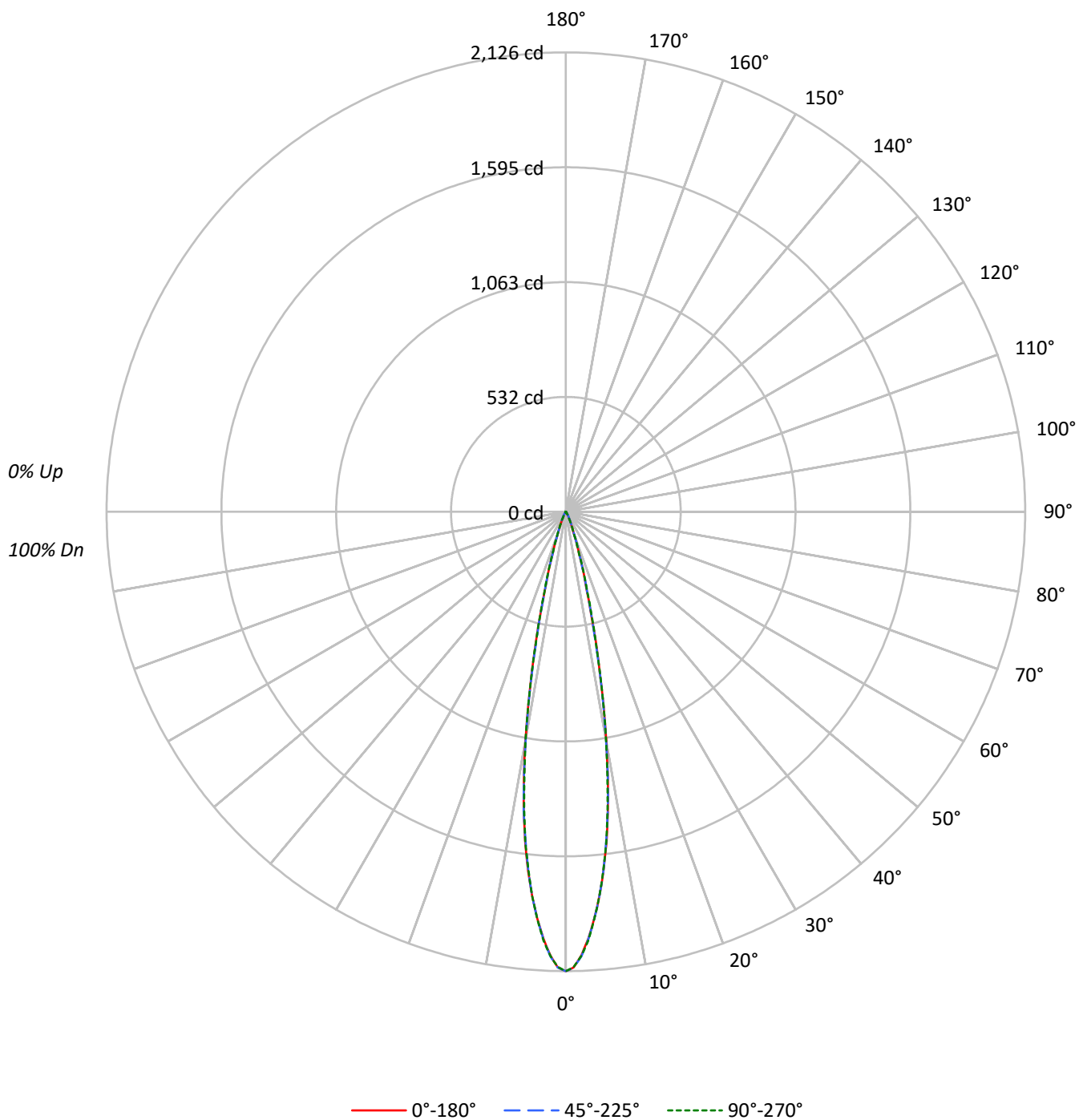
Lumens per Lamp: N/A
Luminaire Lumens: 293.0 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	86	86	86
8	97	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°	366180	366180	366180
5°	308626	308747	308592
10°	188065	187208	187646
15°	66256	66523	68591
20°	20820	21388	20948
25°	7791	8532	8019
30°	3023	4276	3162
35°	1135	1913	1240
40°	607	809	607
45°	219	390	268
50°	134	188	134
55°	150	150	150
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: 390 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.6	50.4
10°-20°	115.7	39.5
20°-30°	22.7	7.8
30°-40°	5.1	1.7
40°-50°	1.2	0.4
50°-60°	0.4	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°	286.1	97.6
0°-40°	291.2	99.4
0°-60°	292.7	99.9
0°-90°	293.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	293.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2126	2126	2126	2126	2126	
5°	1785	1787	1786	1792	1785	148
15°	372	373	373	381	385	115
25°	41	44	45	44	42	22
35°	5	7	9	7	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°	2126.2	2126.2	2126.2	2126.2	2126.2
1°	2109.0	2104.4	2109.6	2105.5	2106.5
2°	2054.3	2051.8	2058.6	2054.3	2056.6
3°	1978.4	1975.2	1980.2	1980.4	1986.8
4°	1887.7	1881.6	1889.1	1889.3	1890.4
5°	1785.2	1786.8	1785.9	1792.0	1785.0
6°	1670.1	1675.3	1668.5	1671.9	1662.1
7°	1541.3	1534.7	1531.3	1532.5	1539.3
8°	1399.2	1394.6	1399.6	1392.6	1387.8
9°	1241.2	1233.2	1238.7	1231.9	1225.1
10°	1075.4	1071.8	1070.5	1062.7	1073.0
11°	909.3	898.4	903.8	900.0	911.1
12°	753.8	754.7	744.0	747.4	748.8
13°	613.4	598.9	600.7	610.0	611.6
14°	475.8	477.9	478.6	485.1	489.0
15°	371.6	373.1	373.1	381.3	384.7
17.5°	199.3	199.3	203.6	204.5	204.9
20°	113.6	114.3	116.7	116.5	114.3
22.5°	68.0	69.4	70.7	69.4	68.0
25°	41.0	43.8	44.9	44.2	42.2
27.5°	24.5	27.4	30.6	28.1	24.3
30°	15.2	16.8	21.5	17.2	15.9
32.5°	8.4	10.9	14.7	11.3	8.6
35°	5.4	6.6	9.1	6.6	5.9
37.5°	3.9	4.5	5.7	4.8	4.1
40°	2.7	3.2	3.6	3.4	2.7
42.5°	1.8	2.3	2.5	2.3	1.8
45°	0.9	1.4	1.6	1.4	1.1
47.5°	0.5	0.7	1.1	0.7	0.5
50°	0.5	0.5	0.7	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.2	0.5	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)