

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: P1309719

Luminaire Tested: P3SQAS02R209040DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309719
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: P3SQAS02R209040DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

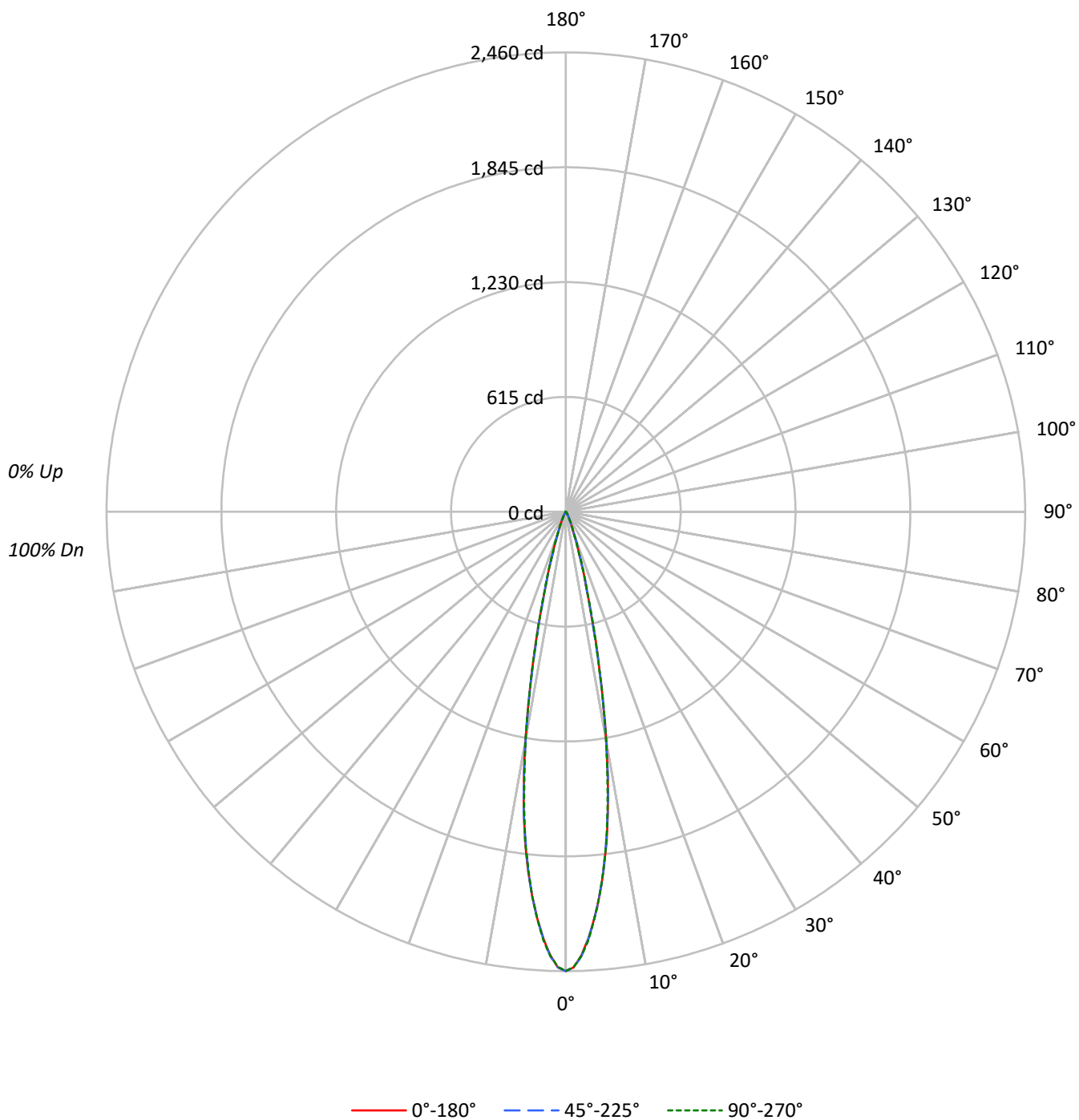
Lumens per Lamp: N/A
Luminaire Lumens: 339.0 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	85	84	87	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°	423668	423668	423668
5°	357085	357223	357033
10°	217603	216588	217095
15°	76650	76971	79360
20°	24082	24761	24229
25°	9026	9862	9273
30°	3500	4952	3659
35°	1325	2208	1430
40°	697	944	697
45°	244	438	317
50°	134	214	134
55°	150	150	150
60°	103	103	103
65°	122	122	122
70°	151	151	151
75°	0	0	200
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 438 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.8	50.4
10°-20°	133.9	39.5
20°-30°	26.3	7.8
30°-40°	5.9	1.7
40°-50°	1.3	0.4
50°-60°	0.4	0.1
60°-70°	0.3	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°	331.0	97.6
0°-40°	336.9	99.4
0°-60°	338.6	99.9
0°-90°	339.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	339.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2460	2460	2460	2460	2460	
5°	2066	2067	2066	2073	2065	171
15°	430	432	432	441	445	134
25°	48	51	52	51	49	25
35°	6	8	10	8	7	5
45°	1	2	2	2	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°	2460.0	2460.0	2460.0	2460.0	2460.0
1°	2440.0	2434.8	2440.8	2436.1	2437.2
2°	2376.8	2374.0	2381.8	2376.8	2379.5
3°	2289.0	2285.3	2291.1	2291.3	2298.7
4°	2184.1	2177.0	2185.6	2185.9	2187.2
5°	2065.5	2067.3	2066.3	2073.4	2065.2
6°	1932.3	1938.3	1930.4	1934.4	1923.1
7°	1783.3	1775.7	1771.7	1773.1	1780.9
8°	1618.8	1613.6	1619.4	1611.2	1605.7
9°	1436.0	1426.8	1433.1	1425.3	1417.4
10°	1244.3	1240.1	1238.5	1229.6	1241.4
11°	1052.0	1039.4	1045.7	1041.3	1054.1
12°	872.1	873.2	860.8	864.8	866.3
13°	709.7	693.0	695.1	705.8	707.6
14°	550.5	552.9	553.7	561.3	565.8
15°	429.9	431.7	431.7	441.2	445.1
17.5°	230.5	230.5	235.5	236.6	237.1
20°	131.4	132.2	135.1	134.8	132.2
22.5°	78.7	80.3	81.8	80.3	78.7
25°	47.5	50.6	51.9	51.1	48.8
27.5°	28.3	31.7	35.4	32.5	28.1
30°	17.6	19.4	24.9	19.9	18.4
32.5°	9.7	12.6	17.0	13.1	10.0
35°	6.3	7.6	10.5	7.6	6.8
37.5°	4.5	5.2	6.6	5.5	4.7
40°	3.1	3.7	4.2	3.9	3.1
42.5°	2.1	2.6	2.9	2.6	2.1
45°	1.0	1.6	1.8	1.6	1.3
47.5°	0.5	0.8	1.3	0.8	0.5
50°	0.5	0.5	0.8	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	0.3	0.5	0.3
60°	0.3	0.3	0.3	0.3	0.3
62.5°	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.0	0.0	0.3
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)