

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: P1310818

Luminaire Tested: P3SQAS02R209050DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310818
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: P3SQAS02R209050DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

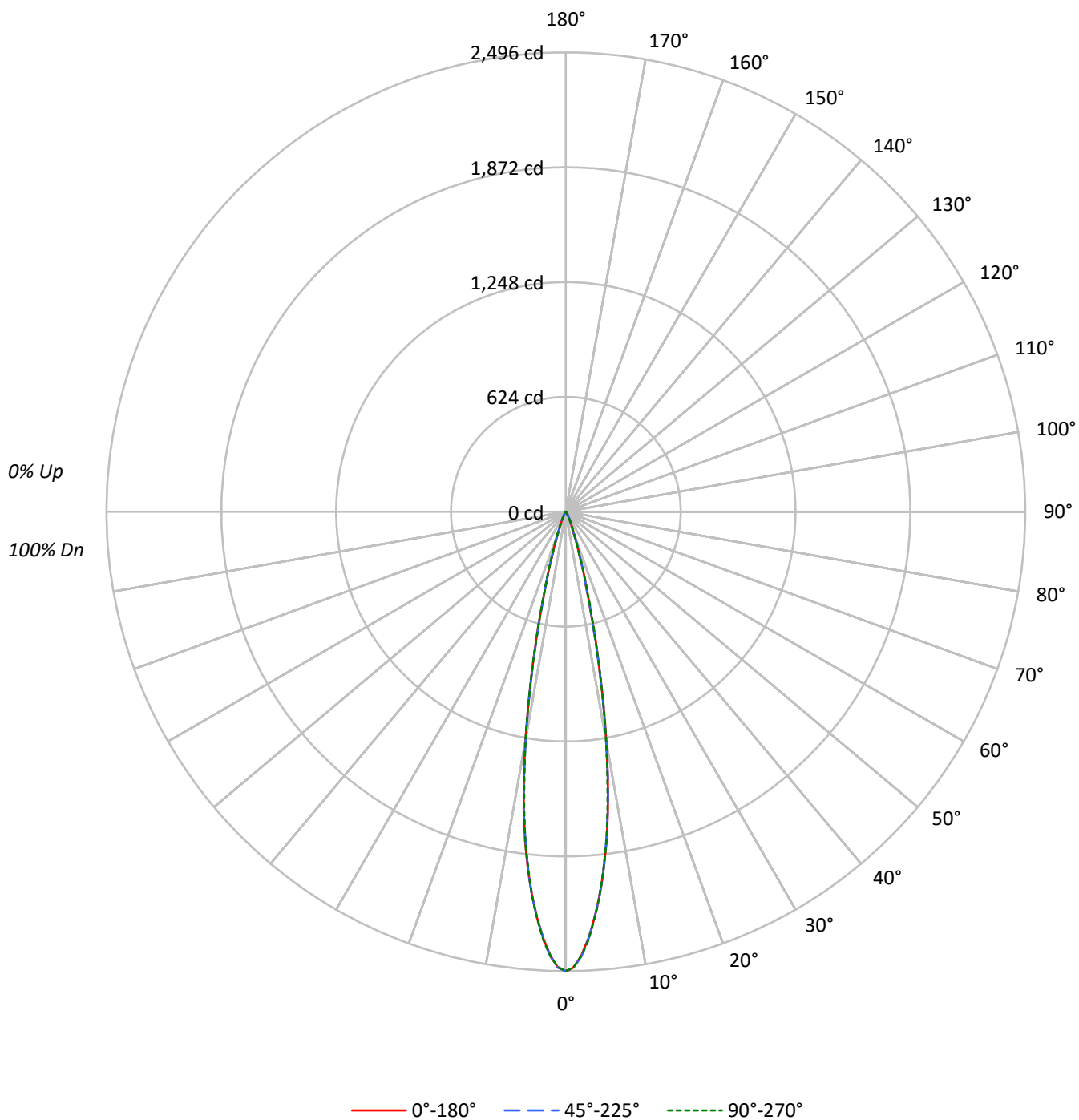
Lumens per Lamp: N/A
Luminaire Lumens: 344.0 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	429919	429919	429919
5°	362358	362496	362306
10°	220803	219788	220296
15°	77774	78112	80537
20°	24431	25127	24577
25°	9159	10014	9406
30°	3540	5031	3699
35°	1346	2229	1451
40°	719	967	719
45°	268	463	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: 463 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.3	50.4
10°-20°	135.9	39.5
20°-30°	26.7	7.8
30°-40°	6.0	1.7
40°-50°	1.4	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°	335.8	97.6
0°-40°	341.8	99.4
0°-60°	343.6	99.9
0°-90°	344.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	344.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2496	2496	2496	2496	2496	
5°	2096	2098	2097	2104	2096	174
15°	436	438	438	448	452	136
25°	48	51	53	52	50	25
35°	6	8	11	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°	2496.3	2496.3	2496.3	2496.3	2496.3
1°	2476.0	2470.7	2476.8	2472.0	2473.1
2°	2411.9	2409.0	2417.0	2411.9	2414.6
3°	2322.7	2319.0	2324.9	2325.1	2332.6
4°	2216.3	2209.1	2217.9	2218.1	2219.5
5°	2096.0	2097.8	2096.8	2104.0	2095.7
6°	1960.8	1966.9	1958.9	1962.9	1951.4
7°	1809.6	1801.9	1797.9	1799.2	1807.2
8°	1642.7	1637.4	1643.2	1635.0	1629.4
9°	1457.2	1447.9	1454.3	1446.3	1438.3
10°	1262.6	1258.4	1256.8	1247.7	1259.7
11°	1067.5	1054.8	1061.2	1056.6	1069.7
12°	885.0	886.0	873.5	877.5	879.1
13°	720.2	703.2	705.3	716.2	718.1
14°	558.7	561.1	561.9	569.6	574.1
15°	436.2	438.1	438.1	447.7	451.7
17.5°	233.9	233.9	239.0	240.1	240.6
20°	133.3	134.1	137.1	136.8	134.1
22.5°	79.8	81.4	83.0	81.4	79.8
25°	48.2	51.4	52.7	51.9	49.5
27.5°	28.7	32.2	35.9	33.0	28.5
30°	17.8	19.7	25.3	20.2	18.6
32.5°	9.8	12.8	17.3	13.3	10.1
35°	6.4	7.7	10.6	7.7	6.9
37.5°	4.5	5.3	6.7	5.6	4.8
40°	3.2	3.7	4.3	4.0	3.2
42.5°	2.1	2.7	2.9	2.7	2.1
45°	1.1	1.6	1.9	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)