

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: P1317524

Luminaire Tested: P3SQAS02R209835DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317524
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: P3SQAS02R209835DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

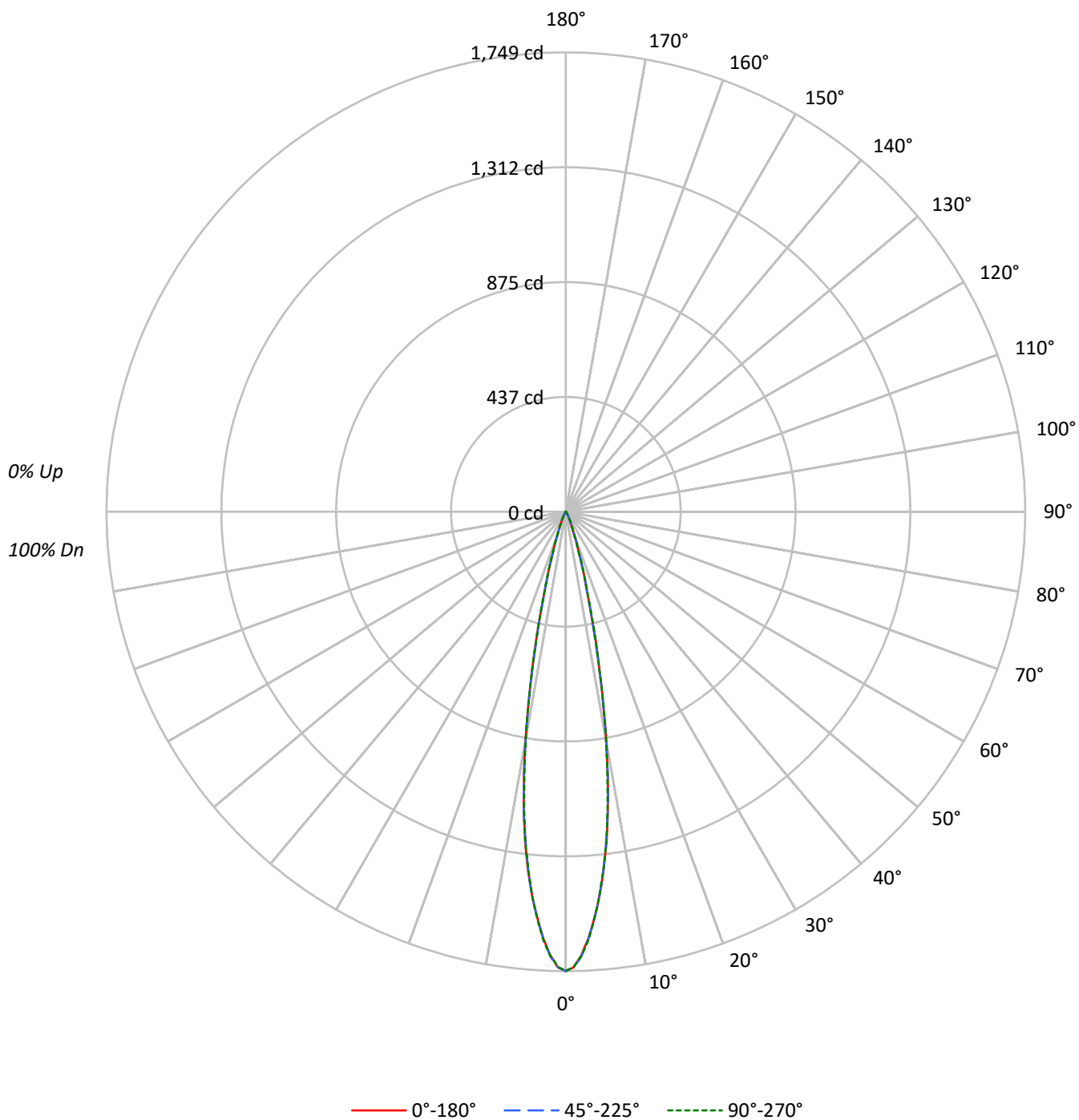
Lumens per Lamp: N/A
Luminaire Lumens: 241.1 lumens
Efficiency: N/A
Efficacy: 67.0 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	110	113	111	110	109	108	106	105		104	103	102		101
2	112	109	106	104	110	107	105	103	104	102	101		102	100	99		99
3	109	105	102	100	108	104	101	99	102	99	97		99	97	96		97
4	107	102	98	96	105	101	98	95	99	96	94		97	95	93		96
5	104	99	95	93	103	98	95	92	97	94	92		95	93	91		94
6	102	96	93	90	101	96	92	90	94	92	89		93	91	89		92
7	100	94	90	88	99	93	90	88	92	90	87		91	89	87		91
8	97	92	88	86	97	91	88	86	91	88	86		90	87	85		89
9	96	90	86	84	95	90	86	84	89	86	84		88	85	84		87
10	94	88	85	83	93	88	85	82	87	84	82		87	84	82		86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	301183	301183	301183
5°	253858	253961	253823
10°	154698	153981	154331
15°	54488	54720	56413
20°	17118	17594	17228
25°	6404	7012	6594
30°	2486	3520	2605
35°	946	1577	1009
40°	495	674	495
45°	170	317	219
50°	107	161	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: 317 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.4	50.4
10°-20°	95.2	39.5
20°-30°	18.7	7.8
30°-40°	4.2	1.7
40°-50°	1.0	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°	235.3	97.6
0°-40°	239.5	99.3
0°-60°	240.8	99.9
0°-90°	241.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	241.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1749	1749	1749	1749	1749	
5°	1468	1470	1469	1474	1468	122
15°	306	307	307	314	316	95
25°	34	36	37	36	35	18
35°	4	5	8	5	5	3
45°	1	1	1	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°	1748.8	1748.8	1748.8	1748.8	1748.8
1°	1734.7	1730.9	1735.2	1731.9	1732.6
2°	1689.7	1687.7	1693.3	1689.7	1691.6
3°	1627.3	1624.7	1628.8	1628.9	1634.2
4°	1552.7	1547.6	1553.8	1554.0	1554.9
5°	1468.4	1469.7	1469.0	1474.0	1468.2
6°	1373.7	1378.0	1372.4	1375.2	1367.1
7°	1267.8	1262.4	1259.6	1260.5	1266.1
8°	1150.8	1147.1	1151.2	1145.4	1141.5
9°	1020.9	1014.4	1018.8	1013.2	1007.6
10°	884.6	881.6	880.5	874.1	882.5
11°	747.9	739.0	743.4	740.3	749.4
12°	620.0	620.7	612.0	614.8	615.9
13°	504.6	492.6	494.1	501.8	503.1
14°	391.4	393.1	393.6	399.0	402.2
15°	305.6	306.9	306.9	313.6	316.4
17.5°	163.9	163.9	167.4	168.2	168.6
20°	93.4	94.0	96.0	95.8	94.0
22.5°	55.9	57.1	58.2	57.1	55.9
25°	33.7	36.0	36.9	36.4	34.7
27.5°	20.1	22.6	25.2	23.1	20.0
30°	12.5	13.8	17.7	14.2	13.1
32.5°	6.9	9.0	12.1	9.3	7.1
35°	4.5	5.4	7.5	5.4	4.8
37.5°	3.2	3.7	4.7	3.9	3.4
40°	2.2	2.6	3.0	2.8	2.2
42.5°	1.5	1.9	2.1	1.9	1.5
45°	0.7	1.1	1.3	1.1	0.9
47.5°	0.4	0.6	0.9	0.6	0.4
50°	0.4	0.4	0.6	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)