

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: P1305393

Luminaire Tested: P3SQAS02R209024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305393
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: P3SQAS02R209024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

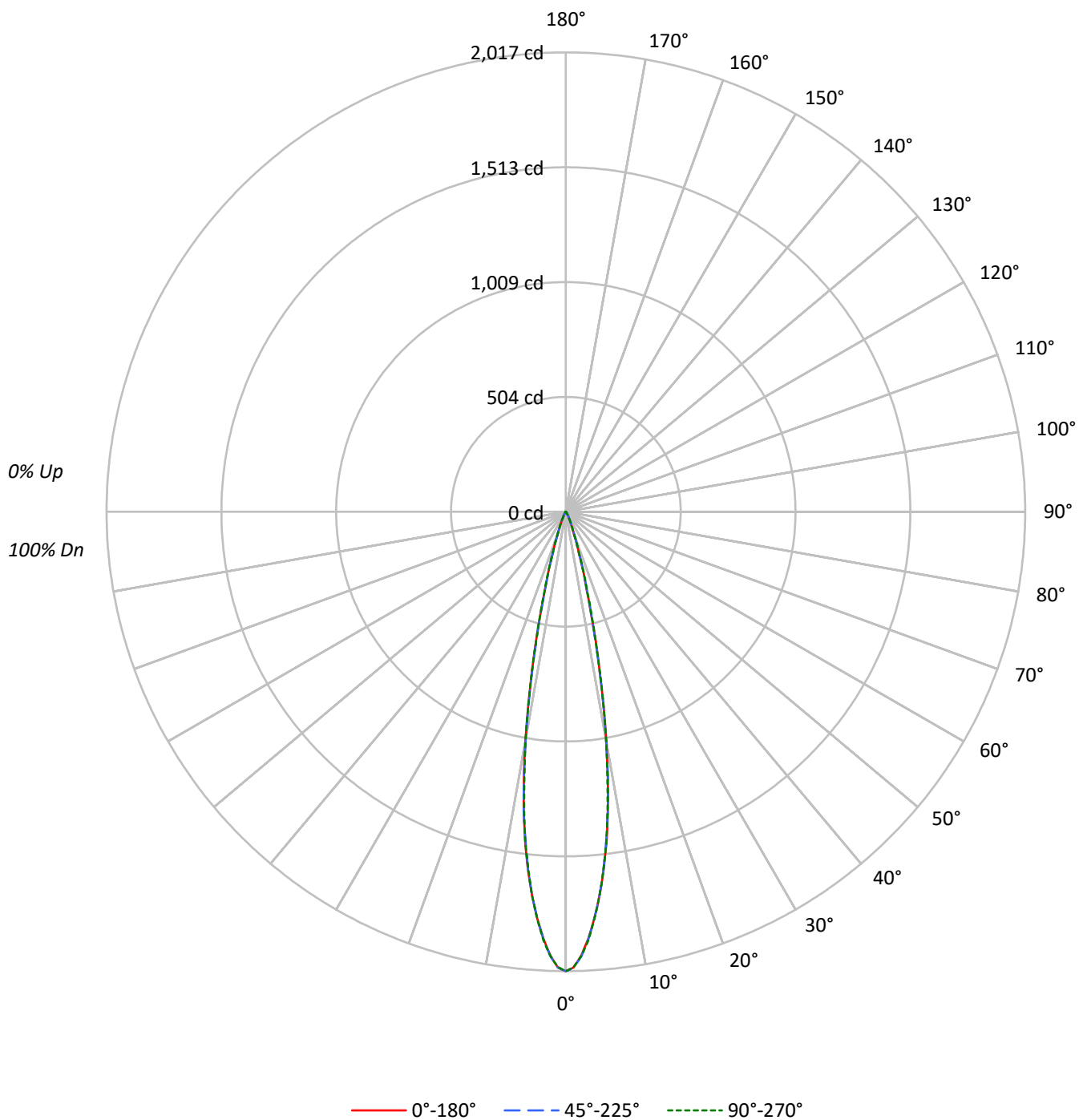
Lumens per Lamp: N/A
Luminaire Lumens: 277.9 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	91	88	99	94	90	88	92	90	87		92	89	87		91
8	98	92	88	86	97	91	88	86	91	88	86		90	87	85		89
9	96	90	87	84	95	90	86	84	89	86	84		88	86	84		88
10	94	88	85	83	93	88	85	82	87	84	82		87	84	82		86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	347425	347425	347425
5°	292825	292946	292790
10°	178447	177625	178027
15°	62850	63117	65079
20°	19757	20307	19867
25°	7392	8095	7601
30°	2864	4057	3003
35°	1093	1808	1177
40°	585	764	585
45°	219	365	268
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: 365 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.0	50.4
10°-20°	109.8	39.5
20°-30°	21.6	7.8
30°-40°	4.8	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°	271.4	97.6
0°-40°	276.2	99.4
0°-60°	277.7	99.9
0°-90°	277.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	277.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2017	2017	2017	2017	2017	
5°	1694	1695	1694	1700	1694	140
15°	352	354	354	362	365	110
25°	39	42	43	42	40	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°	2017.3	2017.3	2017.3	2017.3	2017.3
1°	2001.0	1996.7	2001.6	1997.8	1998.6
2°	1949.1	1946.8	1953.2	1949.1	1951.3
3°	1877.1	1874.1	1878.8	1879.0	1885.0
4°	1791.1	1785.2	1792.3	1792.6	1793.6
5°	1693.8	1695.3	1694.5	1700.3	1693.6
6°	1584.6	1589.5	1583.1	1586.3	1577.0
7°	1462.4	1456.2	1452.9	1454.0	1460.5
8°	1327.5	1323.2	1328.0	1321.3	1316.8
9°	1177.6	1170.1	1175.3	1168.8	1162.3
10°	1020.4	1016.9	1015.7	1008.3	1018.0
11°	862.7	852.4	857.6	853.9	864.4
12°	715.2	716.0	705.9	709.2	710.4
13°	582.0	568.3	570.0	578.8	580.3
14°	451.5	453.4	454.1	460.3	463.9
15°	352.5	354.0	354.0	361.8	365.0
17.5°	189.1	189.1	193.2	194.0	194.4
20°	107.8	108.4	110.8	110.6	108.4
22.5°	64.5	65.8	67.1	65.8	64.5
25°	38.9	41.5	42.6	41.9	40.0
27.5°	23.2	26.0	29.0	26.7	23.0
30°	14.4	15.9	20.4	16.3	15.1
32.5°	8.0	10.3	14.0	10.8	8.2
35°	5.2	6.2	8.6	6.2	5.6
37.5°	3.7	4.3	5.4	4.5	3.9
40°	2.6	3.0	3.4	3.2	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	0.6	1.1	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)