

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: P1308601

Luminaire Tested: P3SQAS02R209035DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308601
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: P3SQAS02R209035DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

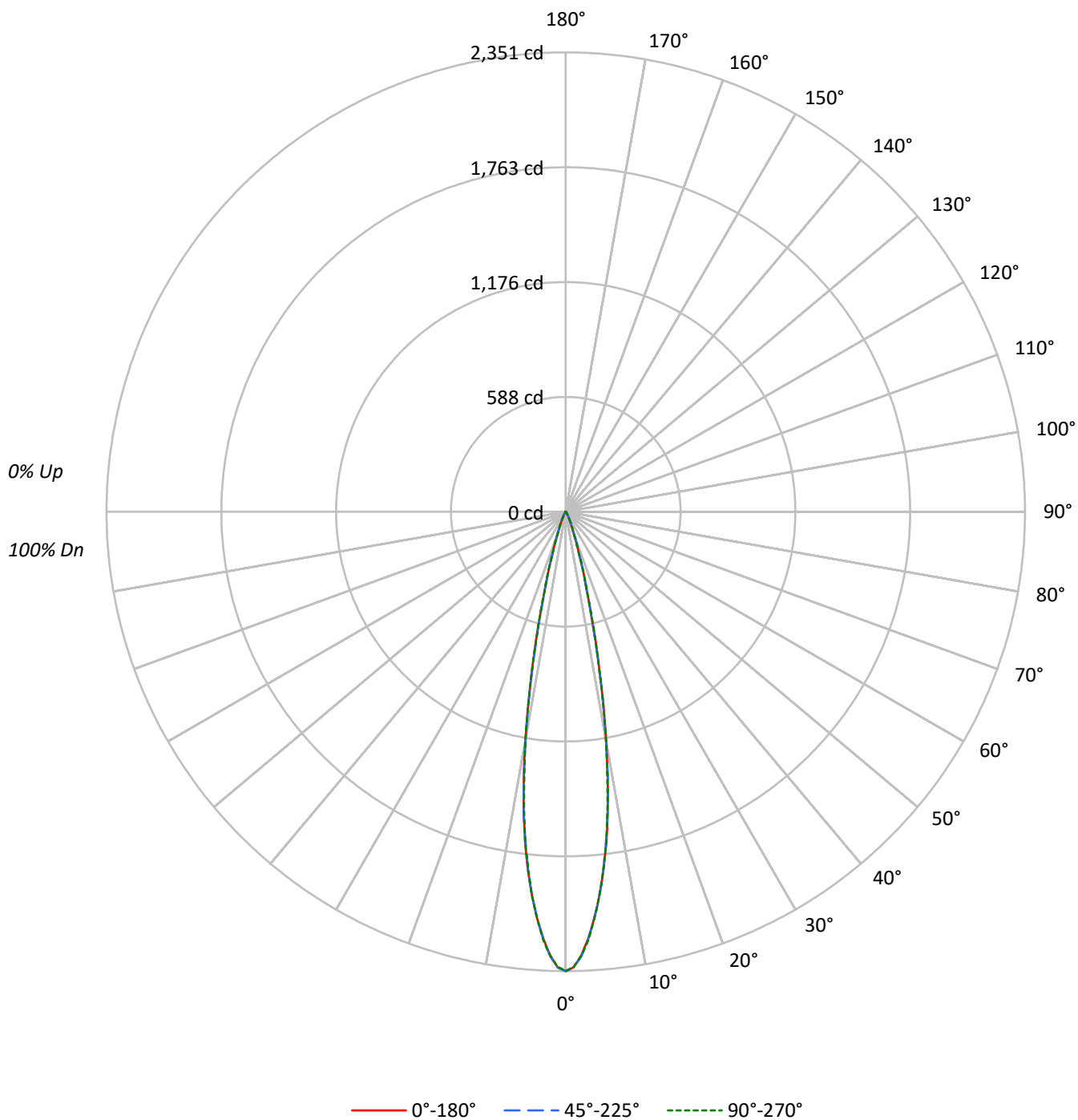
Lumens per Lamp: N/A
Luminaire Lumens: 324.1 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	93	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	86	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°	404913	404913	404913
5°	341283	341422	341249
10°	207967	207005	207494
15°	73263	73566	75848
20°	23019	23661	23148
25°	8627	9425	8855
30°	3341	4733	3480
35°	1261	2102	1367
40°	674	899	674
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°	163.2	50.4
10°-20°	128.0	39.5
20°-30°	25.1	7.8
30°-40°	5.6	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°	316.3	97.6
0°-40°	322.0	99.3
0°-60°	323.7	99.9
0°-90°	324.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	324.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2351	2351	2351	2351	2351	
5°	1974	1976	1975	1982	1974	164
15°	411	413	413	422	425	128
25°	45	48	50	49	47	24
35°	6	7	10	7	6	4
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°	2351.1	2351.1	2351.1	2351.1	2351.1
1°	2332.1	2327.1	2332.8	2328.3	2329.3
2°	2271.7	2268.9	2276.4	2271.7	2274.2
3°	2187.7	2184.2	2189.7	2189.9	2197.0
4°	2087.4	2080.6	2088.9	2089.2	2090.4
5°	1974.1	1975.9	1974.9	1981.6	1973.9
6°	1846.8	1852.5	1845.0	1848.8	1838.0
7°	1704.4	1697.1	1693.3	1694.6	1702.1
8°	1547.2	1542.2	1547.7	1539.9	1534.7
9°	1372.5	1363.7	1369.7	1362.2	1354.7
10°	1189.2	1185.2	1183.7	1175.2	1186.5
11°	1005.5	993.4	999.5	995.2	1007.5
12°	833.5	834.5	822.7	826.5	828.0
13°	678.3	662.3	664.3	674.6	676.3
14°	526.2	528.4	529.2	536.5	540.7
15°	410.9	412.6	412.6	421.6	425.4
17.5°	220.3	220.3	225.1	226.1	226.6
20°	125.6	126.3	129.1	128.8	126.3
22.5°	75.2	76.7	78.2	76.7	75.2
25°	45.4	48.4	49.6	48.9	46.6
27.5°	27.1	30.3	33.8	31.1	26.8
30°	16.8	18.6	23.8	19.1	17.5
32.5°	9.3	12.0	16.3	12.5	9.5
35°	6.0	7.3	10.0	7.3	6.5
37.5°	4.3	5.0	6.3	5.3	4.5
40°	3.0	3.5	4.0	3.8	3.0
42.5°	2.0	2.5	2.8	2.5	2.0
45°	1.0	1.5	1.8	1.5	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)