

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: P1310044

Luminaire Tested: P3SQAS09R209040DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310044
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: P3SQAS09R209040DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

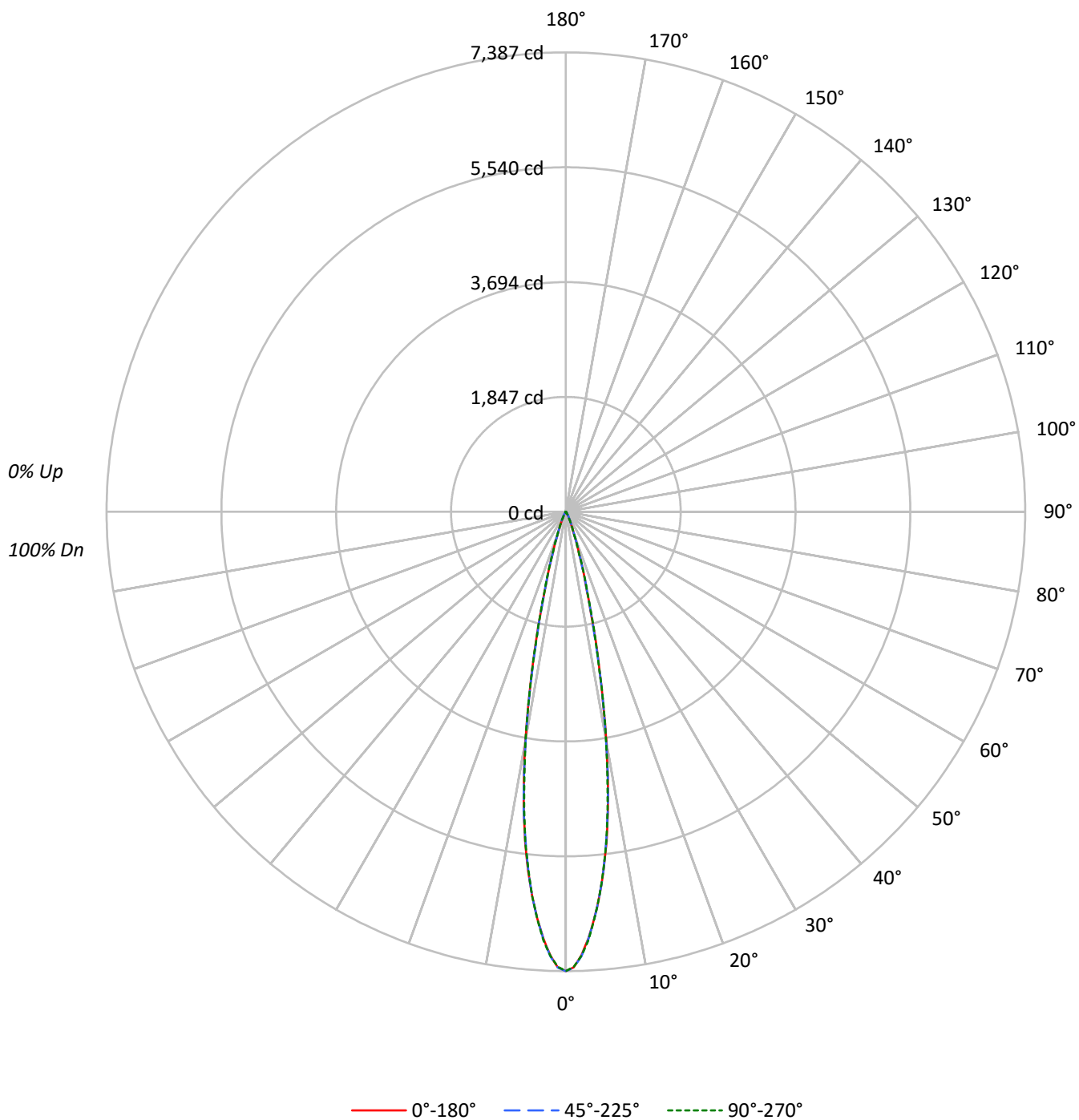
Lumens per Lamp: N/A
Luminaire Lumens: 1018.0 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	102	102	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	96	95	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93	92	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	90	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	88	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87	86	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	86	85	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	83	84
9	96	90	87	84	95	90	86	84	89	86	84	88	85	84	87	85	83	82	81	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	80	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1272243	1272243	1272243
5°	1072309	1072724	1072170
10°	653437	650412	651933
15°	230165	231146	238313
20°	72321	74337	72760
25°	27098	29644	27839
30°	10500	14875	10957
35°	3974	6623	4310
40°	2136	2833	2136
45°	779	1340	950
50°	429	643	429
55°	480	480	480
60°	276	276	276
65°	326	326	326
70°	403	403	403
75°	0	0	532
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1340 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	512.8	50.4
10°-20°	402.1	39.5
20°-30°	79.0	7.8
30°-40°	17.7	1.7
40°-50°	4.0	0.4
50°-60°	1.3	0.1
60°-70°	0.8	0.1
70°-80°	0.3	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°	993.9	97.6
0°-40°	1011.6	99.4
0°-60°	1016.9	99.9
0°-90°	1018.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1018.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7387	7387	7387	7387	7387	
5°	6203	6208	6205	6226	6202	514
15°	1291	1296	1296	1325	1337	401
25°	143	152	156	154	146	75
35°	19	23	32	23	20	14
45°	3	5	6	5	4	3
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	1	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°	7387.2	7387.2	7387.2	7387.2	7387.2
1°	7327.3	7311.6	7329.7	7315.5	7318.7
2°	7137.5	7128.9	7152.5	7137.5	7145.4
3°	6873.7	6862.6	6880.0	6880.8	6902.8
4°	6558.6	6537.3	6563.3	6564.1	6568.1
5°	6202.6	6208.1	6205.0	6226.2	6201.8
6°	5802.5	5820.6	5797.0	5808.8	5774.9
7°	5355.1	5332.3	5320.5	5324.4	5348.0
8°	4861.3	4845.5	4862.8	4838.4	4821.9
9°	4312.3	4284.7	4303.6	4280.0	4256.4
10°	3736.5	3723.9	3719.2	3692.4	3727.9
11°	3159.2	3121.4	3140.3	3126.9	3165.5
12°	2618.9	2622.0	2585.0	2596.8	2601.5
13°	2131.3	2080.9	2087.2	2119.5	2125.0
14°	1653.2	1660.3	1662.7	1685.5	1698.9
15°	1290.9	1296.4	1296.4	1324.8	1336.6
17.5°	692.3	692.3	707.3	710.4	712.0
20°	394.6	397.0	405.6	404.8	397.0
22.5°	236.3	241.0	245.7	241.0	236.3
25°	142.6	152.0	156.0	153.6	146.5
27.5°	85.1	95.3	106.3	97.7	84.3
30°	52.8	58.3	74.8	59.9	55.1
32.5°	29.1	37.8	51.2	39.4	29.9
35°	18.9	22.8	31.5	22.8	20.5
37.5°	13.4	15.8	19.7	16.5	14.2
40°	9.5	11.0	12.6	11.8	9.5
42.5°	6.3	7.9	8.7	7.9	6.3
45°	3.2	4.7	5.5	4.7	3.9
47.5°	1.6	2.4	3.9	2.4	1.6
50°	1.6	1.6	2.4	1.6	1.6
52.5°	1.6	1.6	1.6	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	0.8	1.6	0.8
60°	0.8	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.8
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)