

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: P1311121

Luminaire Tested: P3SQAS09R209050DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311121
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: P3SQAS09R209050DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

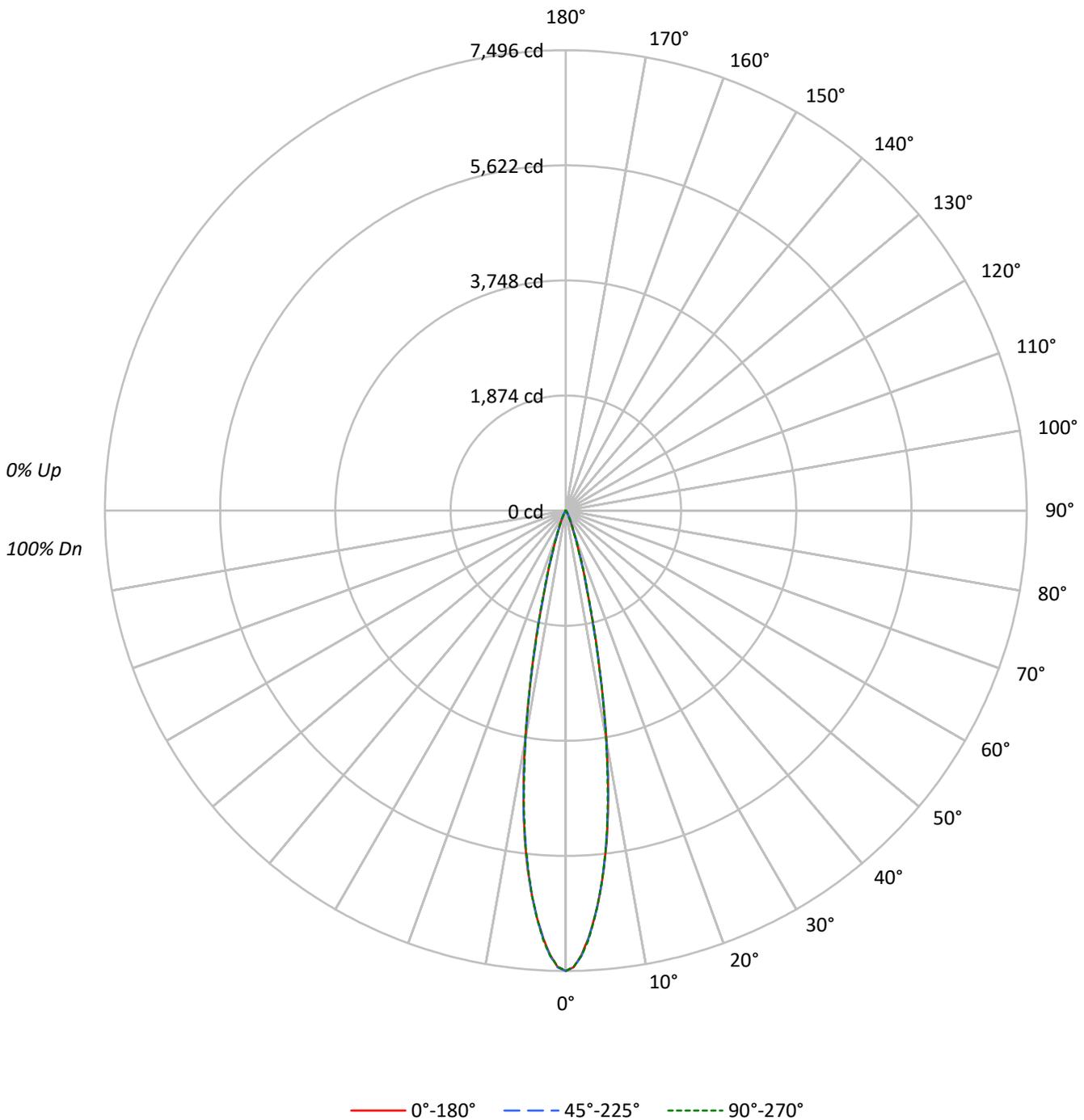
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1033.0 lumens
Efficiency: N/A
Efficacy: 93.1 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 (A_{in}): 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

TEST NUMBER: P1311121
CATALOG NUMBER: P3SQAS09R209050DE010 E3SQCD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1311121
 CATALOG NUMBER: P3SQAS09R209050DE010 E3SQCD1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	88	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1290998	1290998	1290998
5°	1088110	1088525	1087972
10°	663073	659995	661534
15°	233570	234551	241826
20°	73384	75436	73823
25°	27497	30062	28257
30°	10639	15094	11117
35°	4037	6728	4373
40°	2158	2878	2158
45°	779	1364	974
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: 1364 cd/sqm



TEST NUMBER: P1311121

CATALOG NUMBER: P3SQAS09R209050DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.4	50.4
10°-20°	408.0	39.5
20°-30°	80.1	7.8
30°-40°	18.0	1.7
40°-50°	4.1	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°	1008.5	97.6
0°-40°	1026.5	99.4
0°-60°	1031.9	99.9
0°-90°	1033.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1033.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7496	7496	7496	7496	7496	
5°	6294	6300	6296	6318	6293	521
15°	1310	1316	1316	1344	1356	407
25°	145	154	158	156	149	76
35°	19	23	32	23	21	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	



TEST NUMBER: P1311121

CATALOG NUMBER: P3SQAS09R209050DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7496.1	7496.1	7496.1	7496.1	7496.1
1°	7435.3	7419.3	7437.7	7423.3	7426.5
2°	7242.7	7233.9	7257.9	7242.7	7250.7
3°	6974.9	6963.8	6981.3	6982.1	7004.5
4°	6655.3	6633.7	6660.0	6660.8	6664.8
5°	6294.0	6299.6	6296.4	6318.0	6293.2
6°	5888.0	5906.4	5882.4	5894.4	5860.0
7°	5434.0	5410.8	5398.9	5402.8	5426.8
8°	4932.9	4916.9	4934.5	4909.7	4892.9
9°	4375.8	4347.9	4367.0	4343.1	4319.1
10°	3791.6	3778.8	3774.0	3746.8	3782.8
11°	3205.7	3167.4	3186.6	3173.0	3212.1
12°	2657.5	2660.7	2623.1	2635.1	2639.9
13°	2162.7	2111.6	2118.0	2150.7	2156.3
14°	1677.6	1684.8	1687.2	1710.4	1724.0
15°	1310.0	1315.5	1315.5	1344.3	1356.3
17.5°	702.5	702.5	717.7	720.9	722.5
20°	400.4	402.8	411.6	410.8	402.8
22.5°	239.8	244.6	249.4	244.6	239.8
25°	144.7	154.3	158.2	155.9	148.7
27.5°	86.3	96.7	107.9	99.1	85.5
30°	53.5	59.1	75.9	60.7	55.9
32.5°	29.6	38.4	52.0	40.0	30.4
35°	19.2	23.2	32.0	23.2	20.8
37.5°	13.6	16.0	20.0	16.8	14.4
40°	9.6	11.2	12.8	12.0	9.6
42.5°	6.4	8.0	8.8	8.0	6.4
45°	3.2	4.8	5.6	4.8	4.0
47.5°	1.6	2.4	4.0	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



TEST NUMBER: P1311121
CATALOG NUMBER: P3SQAS09R209050DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)