

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: P1306690

Luminaire Tested: P3SQAS09R209027DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306690
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: P3SQAS09R209027DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

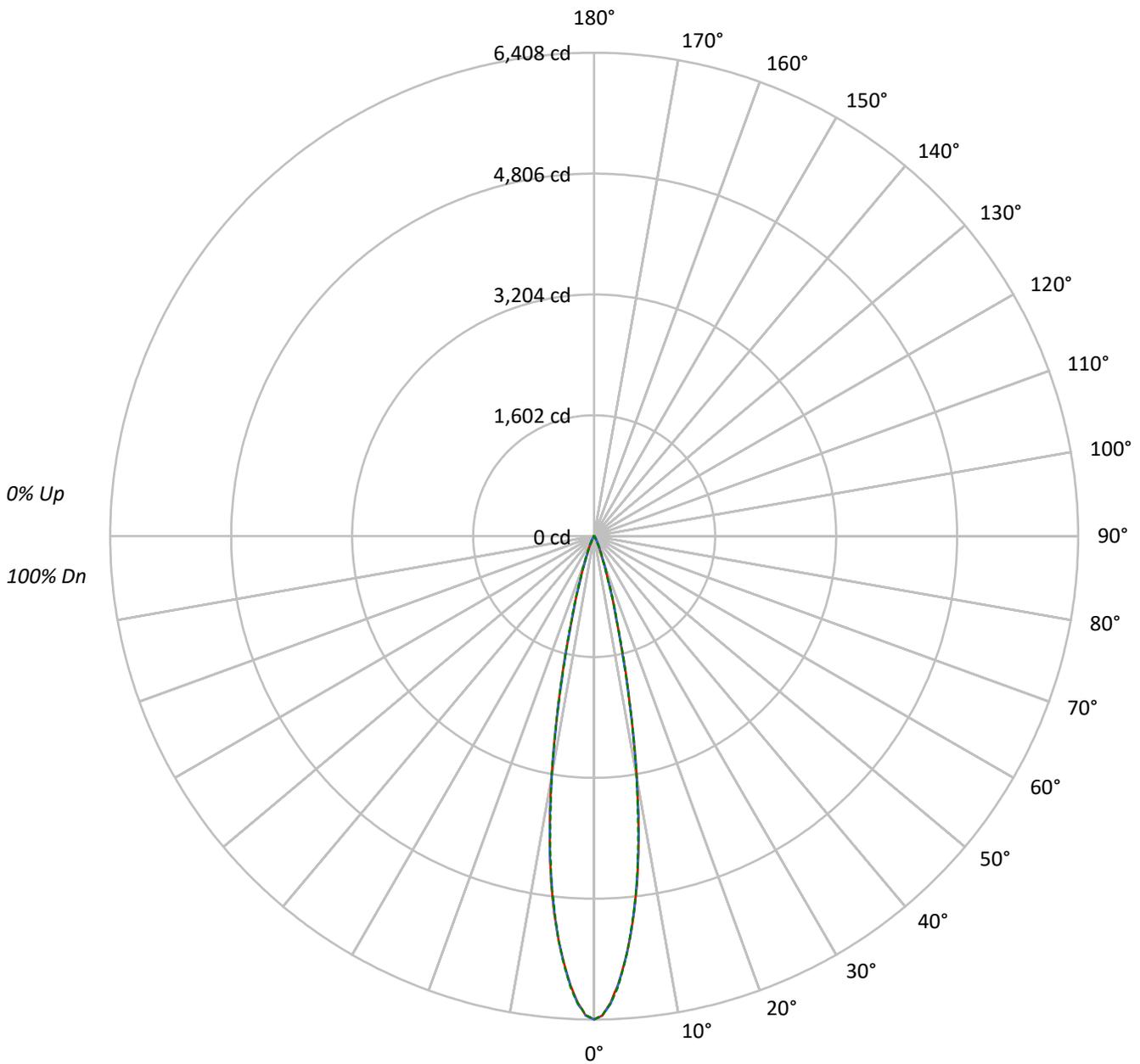
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 883.0 lumens
Efficiency: N/A
Efficacy: 79.6 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

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Luminous Intensity Polar Plot



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



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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	85	84	87	85	83	87	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°	1103534	1103534	1103534
5°	930114	930460	929993
10°	566784	564161	565473
15°	199640	200496	206719
20°	62735	64476	63102
25°	23506	25711	24152
30°	9108	12906	9506
35°	3448	5740	3742
40°	1844	2451	1844
45°	658	1169	828
50°	375	536	375
55°	420	420	420
60°	241	241	241
65°	285	285	285
70°	352	352	352
75°	0	0	466
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1169 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.8	50.4
10°-20°	348.8	39.5
20°-30°	68.5	7.8
30°-40°	15.4	1.7
40°-50°	3.5	0.4
50°-60°	1.1	0.1
60°-70°	0.7	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°	862.1	97.6
0°-40°	877.4	99.4
0°-60°	882.1	99.9
0°-90°	883.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	883.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6408	6408	6408	6408	6408	
5°	5380	5385	5382	5401	5379	446
15°	1120	1124	1124	1149	1159	348
25°	124	132	135	133	127	65
35°	16	20	27	20	18	12
45°	3	4	5	4	3	3
55°	1	1	1	1	1	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6407.6	6407.6	6407.6	6407.6	6407.6
1°	6355.6	6342.0	6357.7	6345.4	6348.1
2°	6191.0	6183.5	6204.0	6191.0	6197.8
3°	5962.1	5952.6	5967.6	5968.3	5987.4
4°	5688.9	5670.4	5693.0	5693.6	5697.1
5°	5380.1	5384.8	5382.1	5400.6	5379.4
6°	5033.0	5048.7	5028.2	5038.5	5009.1
7°	4645.0	4625.1	4614.9	4618.3	4638.8
8°	4216.6	4202.9	4218.0	4196.8	4182.4
9°	3740.4	3716.5	3732.9	3712.4	3691.9
10°	3241.0	3230.1	3226.0	3202.8	3233.5
11°	2740.2	2707.5	2723.8	2712.2	2745.7
12°	2271.6	2274.3	2242.2	2252.5	2256.6
13°	1848.7	1805.0	1810.4	1838.4	1843.2
14°	1434.0	1440.1	1442.2	1462.0	1473.6
15°	1119.7	1124.5	1124.5	1149.1	1159.4
17.5°	600.5	600.5	613.5	616.2	617.6
20°	342.3	344.3	351.8	351.2	344.3
22.5°	205.0	209.1	213.2	209.1	205.0
25°	123.7	131.9	135.3	133.2	127.1
27.5°	73.8	82.7	92.2	84.7	73.1
30°	45.8	50.6	64.9	51.9	47.8
32.5°	25.3	32.8	44.4	34.2	26.0
35°	16.4	19.8	27.3	19.8	17.8
37.5°	11.6	13.7	17.1	14.3	12.3
40°	8.2	9.6	10.9	10.2	8.2
42.5°	5.5	6.8	7.5	6.8	5.5
45°	2.7	4.1	4.8	4.1	3.4
47.5°	1.4	2.0	3.4	2.0	1.4
50°	1.4	1.4	2.0	1.4	1.4
52.5°	1.4	1.4	1.4	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	0.7	1.4	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.7
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)