

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: P1314351

Luminaire Tested: P3SQAS13R209735DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314351
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: P3SQAS13R209735DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

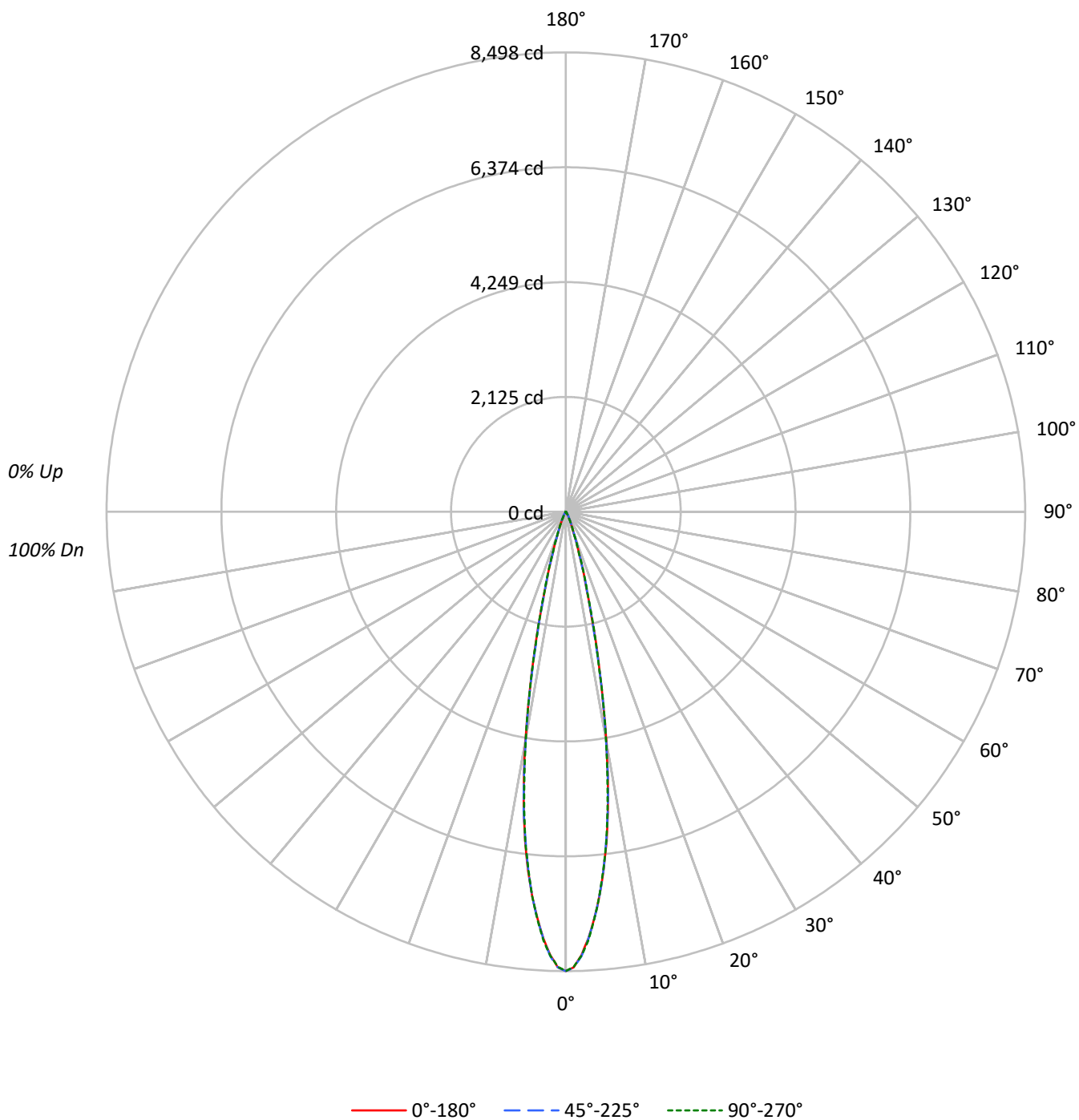
Lumens per Lamp: N/A
Luminaire Lumens: 1171.0 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	94	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	87	84	95	90	86	84	89	86	84	88	86	84	88	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°	1463462	1463462	1463462
5°	1233468	1233935	1233312
10°	751649	748169	749901
15°	264755	265896	274133
20°	83189	85516	83684
25°	31164	34091	32019
30°	12071	17122	12608
35°	4562	7611	4962
40°	2451	3260	2451
45°	877	1534	1096
50°	482	723	482
55°	540	540	540
60°	310	310	310
65°	367	367	367
70°	453	453	453
75°	0	0	599
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1534 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	589.9	50.4
10°-20°	462.5	39.5
20°-30°	90.8	7.8
30°-40°	20.4	1.7
40°-50°	4.6	0.4
50°-60°	1.5	0.1
60°-70°	0.9	0.1
70°-80°	0.4	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°	1143.2	97.6
0°-40°	1163.6	99.4
0°-60°	1169.7	99.9
0°-90°	1171.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1171.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8498	8498	8498	8498	8498	
5°	7135	7141	7138	7162	7134	591
15°	1485	1491	1491	1524	1538	462
25°	164	175	179	177	168	86
35°	22	26	36	26	24	16
45°	4	5	6	5	4	4
55°	2	2	2	2	2	2
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°	8497.5	8497.5	8497.5	8497.5	8497.5
1°	8428.6	8410.5	8431.3	8415.0	8418.6
2°	8210.3	8200.3	8227.5	8210.3	8219.3
3°	7906.7	7894.1	7914.0	7914.9	7940.3
4°	7544.3	7519.9	7549.8	7550.7	7555.2
5°	7134.8	7141.2	7137.5	7162.0	7133.9
6°	6674.6	6695.4	6668.2	6681.8	6642.9
7°	6160.0	6133.7	6120.1	6124.6	6151.8
8°	5591.9	5573.8	5593.7	5565.6	5546.6
9°	4960.4	4928.7	4950.4	4923.3	4896.1
10°	4298.1	4283.6	4278.2	4247.4	4288.1
11°	3634.0	3590.5	3612.3	3596.9	3641.3
12°	3012.5	3016.1	2973.5	2987.1	2992.5
13°	2451.7	2393.7	2400.9	2438.1	2444.4
14°	1901.7	1909.9	1912.6	1938.9	1954.3
15°	1484.9	1491.3	1491.3	1523.9	1537.5
17.5°	796.4	796.4	813.6	817.2	819.0
20°	453.9	456.6	466.6	465.7	456.6
22.5°	271.8	277.2	282.7	277.2	271.8
25°	164.0	174.9	179.4	176.7	168.5
27.5°	97.8	109.6	122.3	112.3	96.9
30°	60.7	67.0	86.1	68.9	63.4
32.5°	33.5	43.5	58.9	45.3	34.4
35°	21.7	26.3	36.2	26.3	23.6
37.5°	15.4	18.1	22.7	19.0	16.3
40°	10.9	12.7	14.5	13.6	10.9
42.5°	7.2	9.1	10.0	9.1	7.2
45°	3.6	5.4	6.3	5.4	4.5
47.5°	1.8	2.7	4.5	2.7	1.8
50°	1.8	1.8	2.7	1.8	1.8
52.5°	1.8	1.8	1.8	1.8	1.8
55°	1.8	1.8	1.8	1.8	1.8
57.5°	1.8	1.8	0.9	1.8	0.9
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.0	0.0	0.9
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)