

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: P1318108

Luminaire Tested: P3SQAS17R209835DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318108
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: P3SQAS17R209835DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

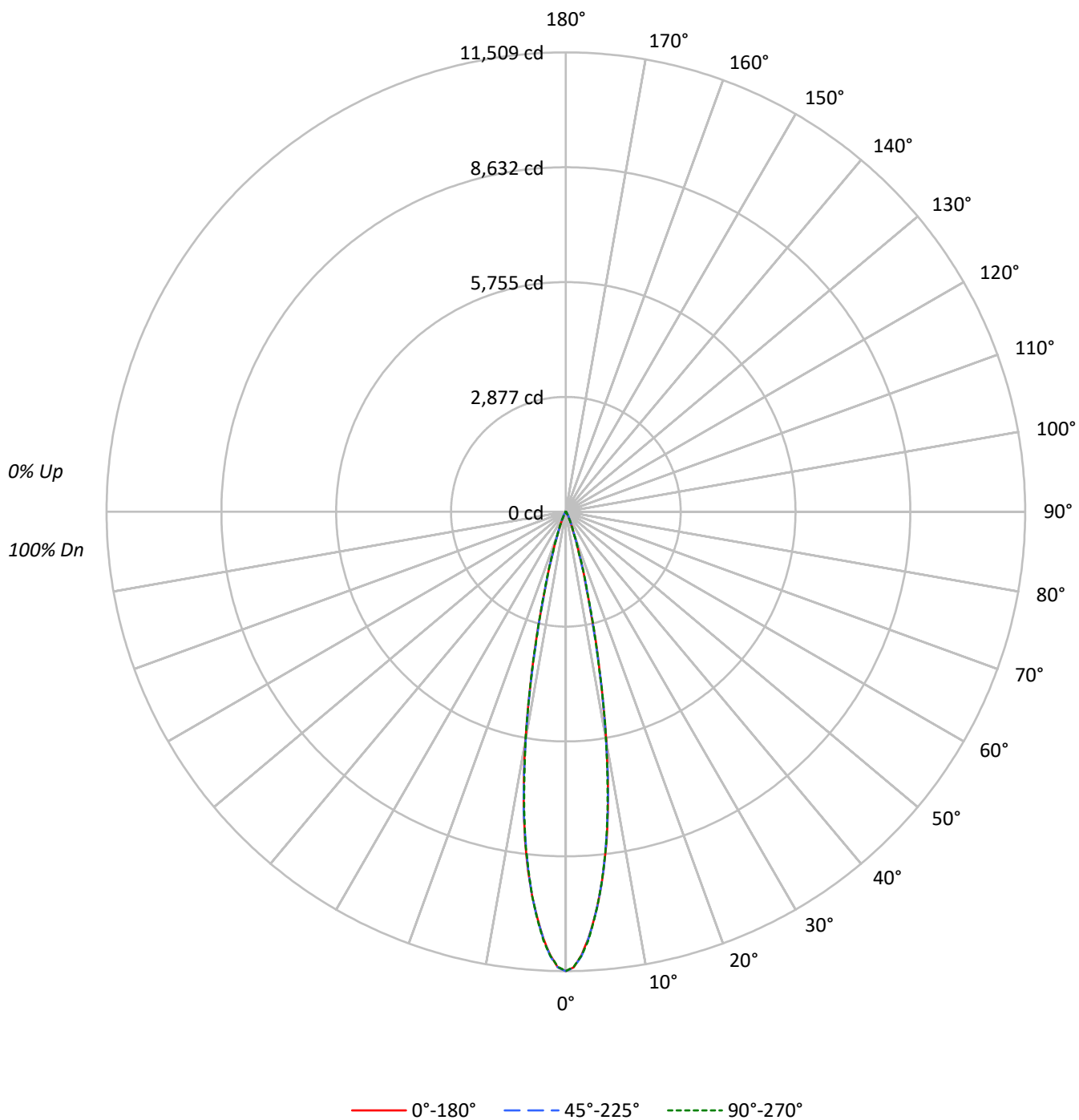
Lumens per Lamp: N/A
Luminaire Lumens: 1586.0 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	110	113	111	110	109	108	106	105		104	103	102		101
2	112	109	106	104	110	107	105	103	104	102	101		102	100	99		99
3	109	105	102	100	108	104	101	99	102	99	97		99	97	96		97
4	107	102	98	96	105	101	98	95	99	96	94		97	95	93		96
5	104	99	95	93	103	98	95	92	97	94	92		95	93	91		94
6	102	96	93	90	101	96	92	90	94	92	89		93	91	89		92
7	100	94	90	88	99	94	90	88	92	90	87		91	89	87		91
8	97	92	88	86	97	91	88	86	91	88	86		90	87	85		89
9	96	90	87	84	95	90	86	84	89	86	84		88	86	84		88
10	94	88	85	83	93	88	85	82	87	84	82		87	84	82		86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1982093	1982093	1982093
5°	1670613	1671253	1670406
10°	1018026	1013322	1015665
15°	358593	360126	371288
20°	112678	115830	113356
25°	42205	46176	43364
30°	16347	23188	17083
35°	6202	10323	6707
40°	3305	4406	3305
45°	1193	2095	1486
50°	670	991	670
55°	751	751	751
60°	413	413	413
65°	489	489	489
70°	604	604	604
75°	0	0	799
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2095 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	798.9	50.4
10°-20°	626.5	39.5
20°-30°	123.0	7.8
30°-40°	27.6	1.7
40°-50°	6.3	0.4
50°-60°	2.0	0.1
60°-70°	1.2	0.1
70°-80°	0.5	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°	1548.4	97.6
0°-40°	1576.0	99.4
0°-60°	1584.3	99.9
0°-90°	1586.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1586.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11509	11509	11509	11509	11509	
5°	9663	9672	9667	9700	9662	801
15°	2011	2020	2020	2064	2082	625
25°	222	237	243	239	228	117
35°	30	36	49	36	32	22
45°	5	7	9	7	6	5
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°	11508.9	11508.9	11508.9	11508.9	11508.9
1°	11415.7	11391.1	11419.4	11397.3	11402.2
2°	11120.0	11106.5	11143.3	11120.0	11132.2
3°	10708.9	10691.7	10718.7	10719.9	10754.3
4°	10218.0	10184.9	10225.4	10226.6	10232.8
5°	9663.4	9672.0	9667.1	9700.2	9662.2
6°	9040.0	9068.2	9031.4	9049.8	8997.1
7°	8343.0	8307.4	8289.0	8295.2	8332.0
8°	7573.6	7549.1	7576.1	7538.1	7512.3
9°	6718.4	6675.4	6704.9	6668.0	6631.2
10°	5821.3	5801.7	5794.4	5752.6	5807.8
11°	4921.9	4863.0	4892.4	4871.6	4931.7
12°	4080.1	4085.0	4027.3	4045.7	4053.1
13°	3320.5	3242.0	3251.8	3302.1	3310.7
14°	2575.7	2586.7	2590.4	2626.0	2646.8
15°	2011.2	2019.8	2019.8	2064.0	2082.4
17.5°	1078.6	1078.6	1101.9	1106.8	1109.3
20°	614.8	618.5	632.0	630.7	618.5
22.5°	368.1	375.5	382.9	375.5	368.1
25°	222.1	236.8	243.0	239.3	228.2
27.5°	132.5	148.5	165.7	152.2	131.3
30°	82.2	90.8	116.6	93.3	85.9
32.5°	45.4	58.9	79.8	61.4	46.6
35°	29.5	35.6	49.1	35.6	31.9
37.5°	20.9	24.5	30.7	25.8	22.1
40°	14.7	17.2	19.6	18.4	14.7
42.5°	9.8	12.3	13.5	12.3	9.8
45°	4.9	7.4	8.6	7.4	6.1
47.5°	2.5	3.7	6.1	3.7	2.5
50°	2.5	2.5	3.7	2.5	2.5
52.5°	2.5	2.5	2.5	2.5	2.5
55°	2.5	2.5	2.5	2.5	2.5
57.5°	2.5	2.5	1.2	2.5	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	0.0	0.0	0.0	0.0	1.2
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)