

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: P1312710

Luminaire Tested: P3SQAS20R209727D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312710
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: P3SQAS20R209727D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

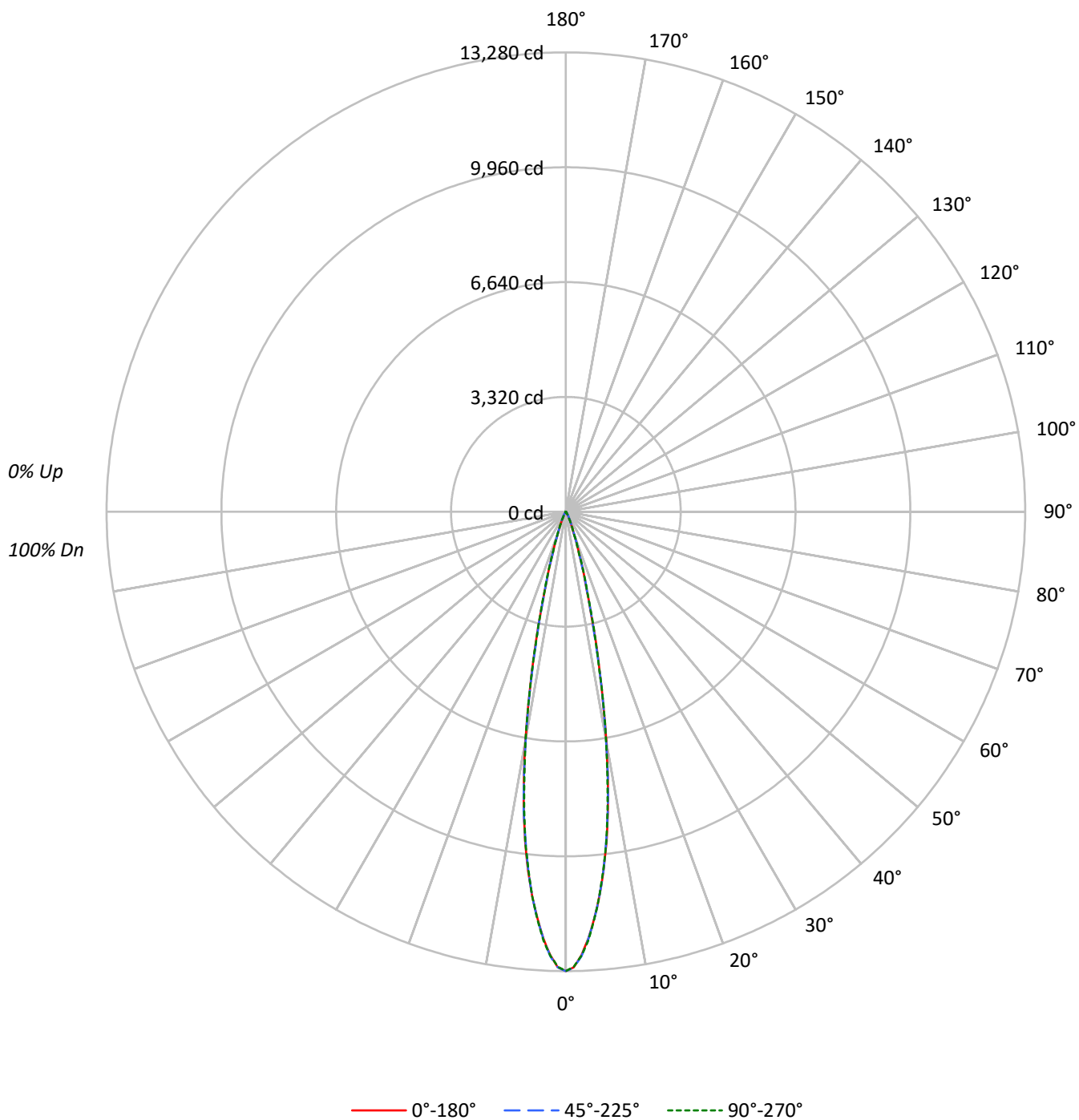
Lumens per Lamp: N/A
Luminaire Lumens: 1830.0 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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°	2287031	2287031	2287031
5°	1927635	1928361	1927376
10°	1174648	1169209	1171937
15°	413758	415523	428414
20°	130016	133644	130785
25°	48704	53264	50053
30°	18872	26747	19708
35°	7148	11900	7737
40°	3822	5103	3822
45°	1388	2411	1729
50°	750	1125	750
55°	841	841	841
60°	482	482	482
65°	571	571	571
70°	705	705	705
75°	0	0	932
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2411 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	921.8	50.4
10°-20°	722.8	39.5
20°-30°	141.9	7.8
30°-40°	31.8	1.7
40°-50°	7.2	0.4
50°-60°	2.3	0.1
60°-70°	1.4	0.1
70°-80°	0.6	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°	1786.6	97.6
0°-40°	1818.5	99.4
0°-60°	1828.0	99.9
0°-90°	1830.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1830.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13280	13280	13280	13280	13280	
5°	11150	11160	11154	11192	11149	924
15°	2321	2330	2330	2382	2403	721
25°	256	273	280	276	263	135
35°	34	41	57	41	37	25
45°	6	8	10	8	7	6
55°	3	3	3	3	3	2
65°	1	1	1	1	1	1
75°	0	0	0	0	1	1
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°	13279.5	13279.5	13279.5	13279.5	13279.5
1°	13171.9	13143.6	13176.2	13150.7	13156.4
2°	12830.7	12815.1	12857.6	12830.7	12844.9
3°	12356.4	12336.6	12367.7	12369.1	12408.8
4°	11790.0	11751.8	11798.5	11800.0	11807.0
5°	11150.1	11160.0	11154.3	11192.5	11148.6
6°	10430.8	10463.4	10420.9	10442.1	10381.2
7°	9626.6	9585.5	9564.3	9571.4	9613.8
8°	8738.8	8710.5	8741.6	8697.8	8668.0
9°	7751.9	7702.4	7736.4	7693.9	7651.4
10°	6716.9	6694.3	6685.8	6637.7	6701.4
11°	5679.1	5611.1	5645.1	5621.0	5690.4
12°	4707.8	4713.5	4646.9	4668.2	4676.7
13°	3831.4	3740.8	3752.1	3810.1	3820.0
14°	2971.9	2984.7	2988.9	3030.0	3054.1
15°	2320.6	2330.5	2330.5	2381.5	2402.8
17.5°	1244.6	1244.6	1271.5	1277.1	1280.0
20°	709.4	713.6	729.2	727.8	713.6
22.5°	424.8	433.3	441.8	433.3	424.8
25°	256.3	273.3	280.3	276.1	263.4
27.5°	152.9	171.3	191.1	175.6	151.5
30°	94.9	104.8	134.5	107.6	99.1
32.5°	52.4	68.0	92.0	70.8	53.8
35°	34.0	41.1	56.6	41.1	36.8
37.5°	24.1	28.3	35.4	29.7	25.5
40°	17.0	19.8	22.7	21.2	17.0
42.5°	11.3	14.2	15.6	14.2	11.3
45°	5.7	8.5	9.9	8.5	7.1
47.5°	2.8	4.2	7.1	4.2	2.8
50°	2.8	2.8	4.2	2.8	2.8
52.5°	2.8	2.8	2.8	2.8	2.8
55°	2.8	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	1.4	2.8	1.4
60°	1.4	1.4	1.4	1.4	1.4
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	0.0	0.0	0.0	0.0	1.4
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)