

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: P1310549

Luminaire Tested: P3SQAS20R309040D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309040D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

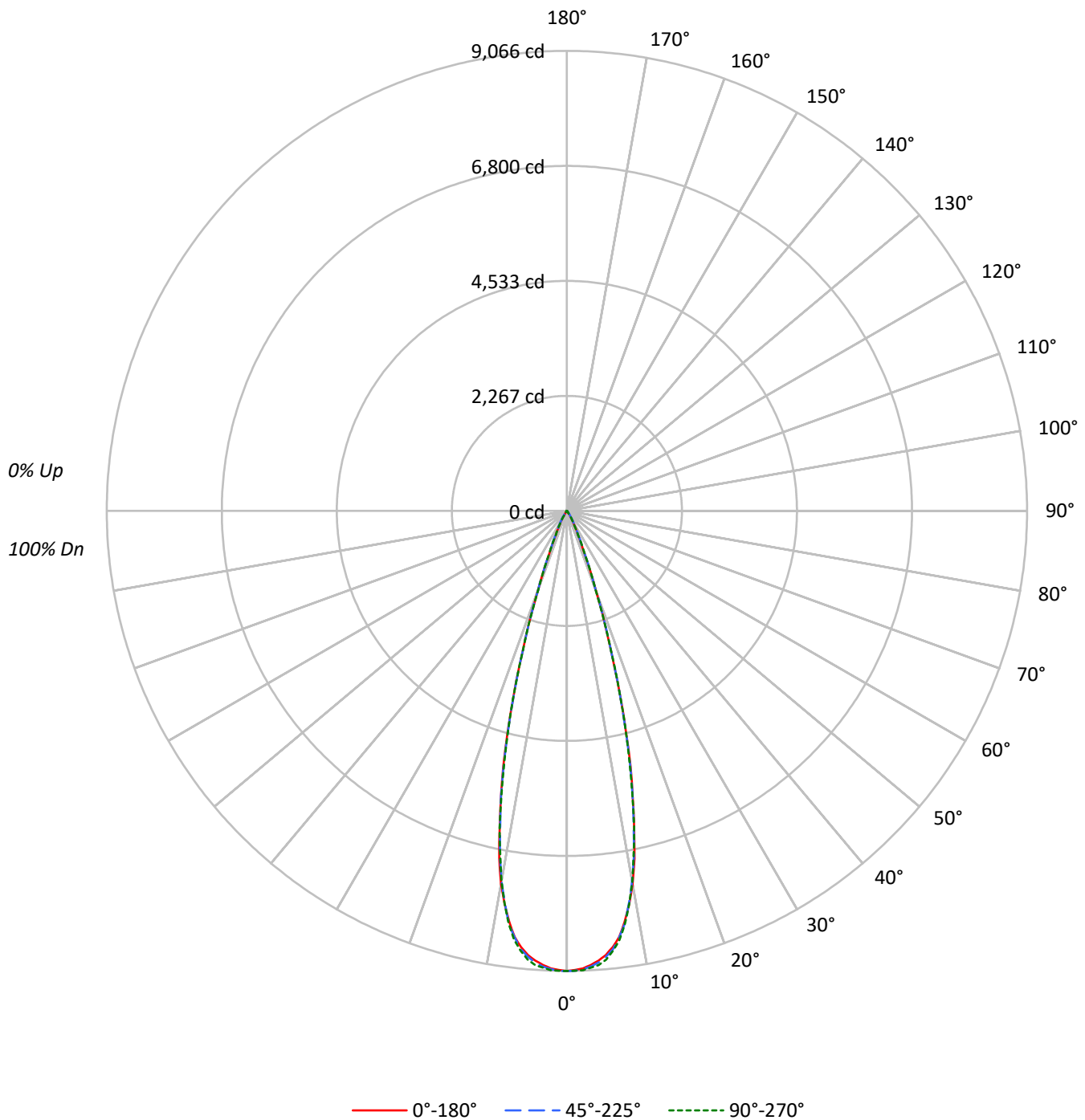
Lumens per Lamp: N/A
Luminaire Lumens: 2357.9 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	84	83
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83	82	81
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81	80	79
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	77	76
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	75	74
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1561457	1561457	1561457
5°	1518669	1525273	1534712
10°	1305912	1294772	1296049
15°	802430	795940	796600
20°	305392	306052	300389
25°	97142	102329	97484
30°	39077	48483	40151
35°	12615	21424	12615
40°	5733	9398	5733
45°	2216	3994	2216
50°	965	1956	965
55°	1081	1081	1081
60°	1240	1240	1240
65°	734	734	734
70°	906	906	906
75°	1198	1198	1198
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3994 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	799.7	33.9
10°-20°	1186.4	50.3
20°-30°	294.8	12.5
30°-40°	58.8	2.5
40°-50°	10.7	0.5
50°-60°	3.3	0.1
60°-70°	2.4	0.1
70°-80°	1.7	0.1
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°	2280.9	96.7
0°-40°	2339.8	99.2
0°-60°	2353.8	99.8
0°-90°	2357.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2357.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9066	9066	9066	9066	9066	
5°	8784	8814	8823	8835	8877	799
15°	4500	4510	4464	4479	4468	1191
25°	511	522	538	531	513	287
35°	60	78	102	76	60	49
45°	9	11	16	13	9	8
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	2
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°	9066.5	9066.5	9066.5	9066.5	9066.5
1°	9046.5	9057.4	9064.7	9064.7	9064.7
2°	9021.0	9028.3	9039.2	9041.0	9055.6
3°	8961.0	8977.3	8995.5	9006.4	9013.7
4°	8888.2	8910.0	8920.9	8948.2	8971.9
5°	8784.5	8813.6	8822.7	8835.4	8877.3
6°	8644.4	8666.3	8684.5	8689.9	8715.4
7°	8458.9	8469.8	8466.2	8475.3	8520.7
8°	8176.9	8180.6	8211.5	8191.5	8222.4
9°	7842.2	7827.7	7820.4	7834.9	7836.8
10°	7467.5	7418.4	7403.8	7391.1	7411.1
11°	6981.8	6918.1	6923.6	6919.9	6890.8
12°	6377.8	6370.5	6323.2	6332.3	6376.0
13°	5761.1	5773.9	5764.8	5775.7	5726.6
14°	5182.7	5120.8	5137.2	5075.3	5099.0
15°	4500.5	4509.6	4464.1	4478.7	4467.8
17.5°	2881.5	2901.5	2886.9	2874.2	2894.2
20°	1666.3	1664.5	1669.9	1653.6	1639.0
22.5°	876.8	889.5	905.9	907.7	918.7
25°	511.2	522.1	538.5	531.2	513.0
27.5°	312.9	332.9	358.4	340.2	318.3
30°	196.5	212.8	243.8	214.7	201.9
32.5°	111.0	134.6	160.1	134.6	111.0
35°	60.0	78.2	101.9	76.4	60.0
37.5°	40.0	45.5	67.3	45.5	40.0
40°	25.5	30.9	41.8	30.9	25.5
42.5°	14.6	20.0	23.6	20.0	14.6
45°	9.1	10.9	16.4	12.7	9.1
47.5°	3.6	5.5	10.9	5.5	5.5
50°	3.6	3.6	7.3	3.6	3.6
52.5°	3.6	3.6	3.6	3.6	3.6
55°	3.6	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	3.6	3.6	3.6
60°	3.6	3.6	3.6	3.6	3.6
62.5°	3.6	3.6	3.6	3.6	3.6
65°	1.8	1.8	1.8	1.8	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8
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)