

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: P1317412

Luminaire Tested: P3SQAS20R309830D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317412
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: P3SQAS20R309830D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

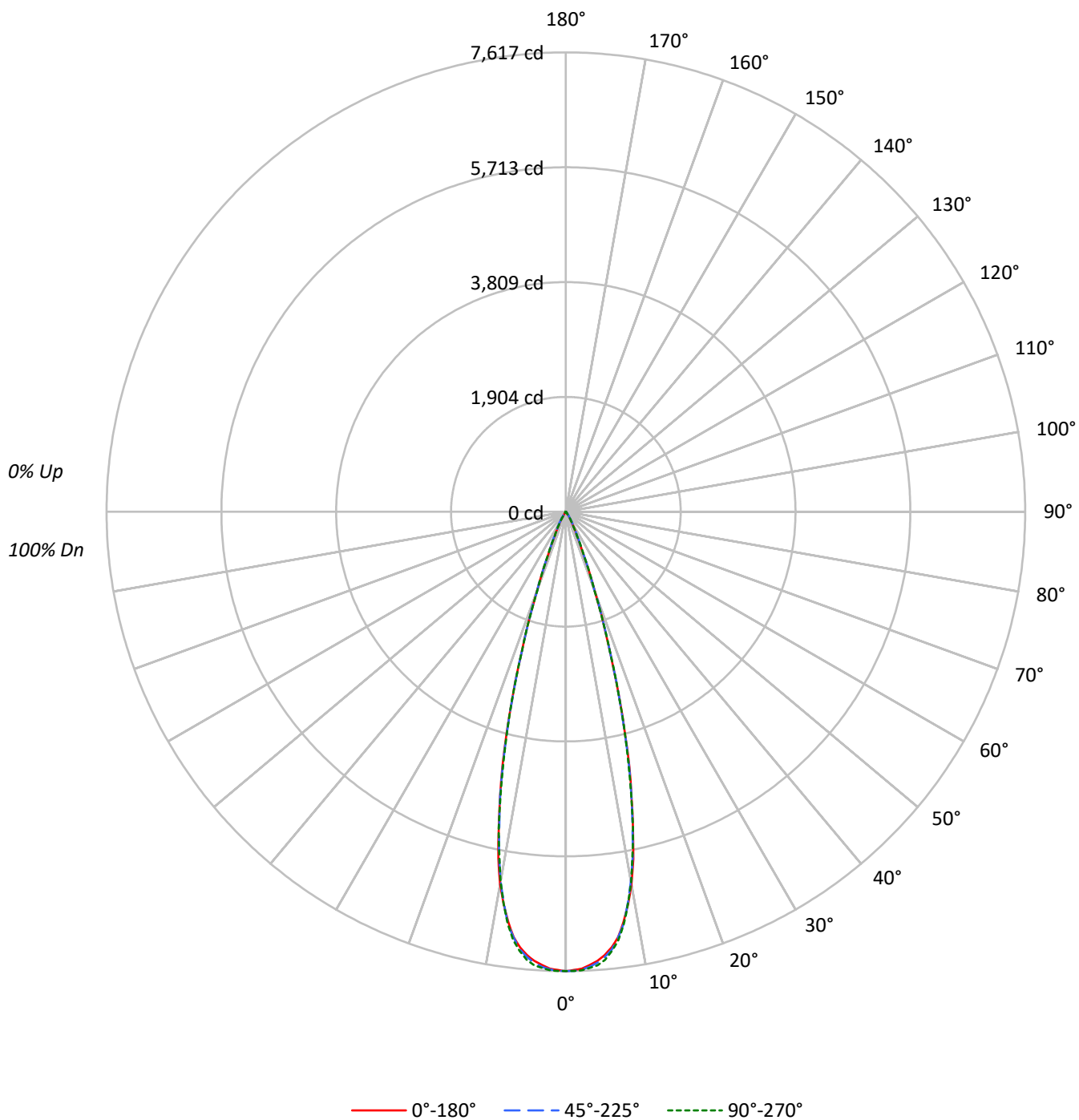
Lumens per Lamp: N/A
Luminaire Lumens: 1981.0 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	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	93	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°	1311803	1311803	1311803
5°	1275858	1281408	1289343
10°	1097124	1087768	1088834
15°	674127	668689	669224
20°	256567	257136	252370
25°	81597	85968	81901
30°	32833	40728	33728
35°	10596	17997	10596
40°	4811	7914	4811
45°	1851	3361	1851
50°	831	1634	831
55°	931	931	931
60°	1068	1068	1068
65°	611	611	611
70°	755	755	755
75°	998	998	998
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3361 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	671.9	33.9
10°-20°	996.7	50.3
20°-30°	247.7	12.5
30°-40°	49.4	2.5
40°-50°	9.0	0.5
50°-60°	2.9	0.1
60°-70°	2.1	0.1
70°-80°	1.4	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°	1916.3	96.7
0°-40°	1965.7	99.2
0°-60°	1977.6	99.8
0°-90°	1981.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1981.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7617	7617	7617	7617	7617	
5°	7380	7404	7412	7423	7458	671
15°	3781	3789	3750	3763	3753	1001
25°	429	439	452	446	431	241
35°	50	66	86	64	50	41
45°	8	9	14	11	8	7
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	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°	7616.9	7616.9	7616.9	7616.9	7616.9
1°	7600.1	7609.3	7615.4	7615.4	7615.4
2°	7578.7	7584.8	7594.0	7595.5	7607.7
3°	7528.3	7542.0	7557.3	7566.5	7572.6
4°	7467.1	7485.5	7494.7	7517.6	7537.4
5°	7380.0	7404.5	7412.1	7422.8	7458.0
6°	7262.4	7280.7	7296.0	7300.6	7322.0
7°	7106.5	7115.6	7112.6	7120.2	7158.4
8°	6869.6	6872.6	6898.6	6881.8	6907.8
9°	6588.4	6576.2	6570.0	6582.3	6583.8
10°	6273.6	6232.3	6220.1	6209.4	6226.2
11°	5865.5	5812.0	5816.6	5813.6	5789.1
12°	5358.1	5352.0	5312.3	5319.9	5356.6
13°	4840.0	4850.7	4843.1	4852.3	4811.0
14°	4354.1	4302.1	4315.8	4263.9	4283.8
15°	3780.9	3788.6	3750.4	3762.6	3753.4
17.5°	2420.8	2437.6	2425.4	2414.7	2431.5
20°	1399.9	1398.4	1403.0	1389.2	1377.0
22.5°	736.6	747.3	761.1	762.6	771.8
25°	429.4	438.6	452.4	446.3	431.0
27.5°	262.9	279.7	301.1	285.8	267.4
30°	165.1	178.8	204.8	180.3	169.6
32.5°	93.2	113.1	134.5	113.1	93.2
35°	50.4	65.7	85.6	64.2	50.4
37.5°	33.6	38.2	56.5	38.2	33.6
40°	21.4	26.0	35.2	26.0	21.4
42.5°	12.2	16.8	19.9	16.8	12.2
45°	7.6	9.2	13.8	10.7	7.6
47.5°	3.1	4.6	9.2	4.6	4.6
50°	3.1	3.1	6.1	3.1	3.1
52.5°	3.1	3.1	3.1	3.1	3.1
55°	3.1	3.1	3.1	3.1	3.1
57.5°	3.1	3.1	3.1	3.1	3.1
60°	3.1	3.1	3.1	3.1	3.1
62.5°	3.1	3.1	3.1	3.1	3.1
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5
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)