

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: P1316534

Luminaire Tested: P3SQAS20R309827D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316534
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309827D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

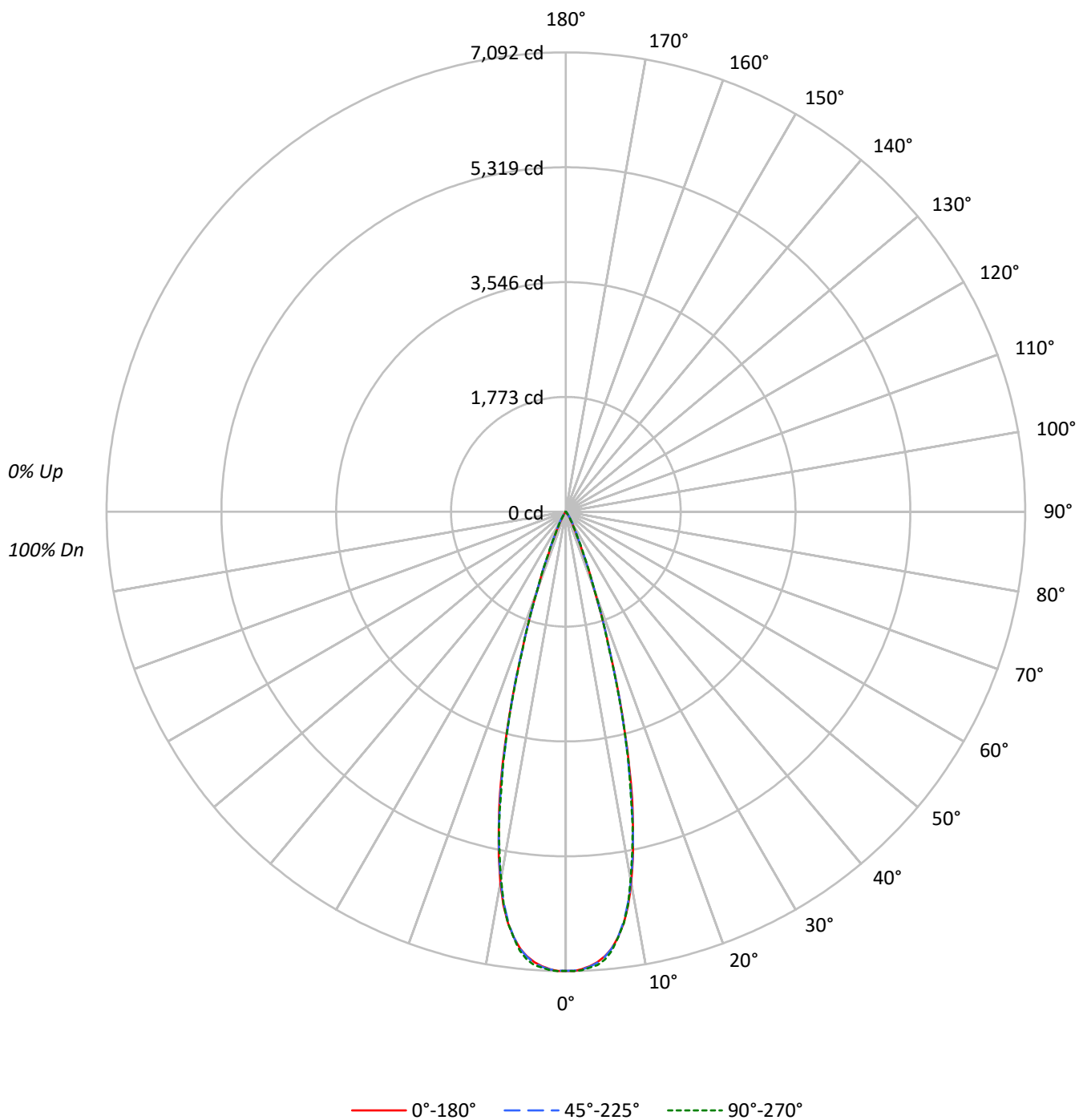
Lumens per Lamp: N/A
Luminaire Lumens: 1829.0 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1220749	1220749	1220749
5°	1190991	1192461	1199099
10°	1017186	1012465	1006501
15°	627716	620370	622652
20°	237250	238551	238276
25°	72989	80020	76220
30°	29412	37347	30546
35°	8683	15852	8977
40°	3507	6385	3507
45°	682	2070	682
50°	0	375	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2070 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	625.2	34.2
10°-20°	925.6	50.6
20°-30°	229.6	12.6
30°-40°	43.1	2.4
40°-50°	5.4	0.3
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	1780.4	97.3
0°-40°	1823.5	99.7
0°-60°	1829.0	100.0
0°-90°	1829.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1829.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7088	7088	7088	7088	7088	
5°	6889	6886	6898	6909	6936	626
15°	3521	3486	3479	3506	3492	930
25°	384	410	421	420	401	221
35°	41	54	75	56	43	35
45°	3	4	8	6	3	3
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	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°	7088.2	7088.2	7088.2	7088.2	7088.2
1°	7091.1	7085.4	7085.4	7076.9	7092.5
2°	7065.5	7059.8	7069.7	7062.6	7082.5
3°	7027.1	7020.0	7034.2	7038.4	7048.4
4°	6970.2	6964.5	6980.1	6988.7	7015.7
5°	6889.1	6886.2	6897.6	6909.0	6936.0
6°	6778.1	6773.9	6781.0	6795.2	6812.3
7°	6617.4	6608.9	6614.5	6617.4	6621.7
8°	6414.0	6401.2	6394.1	6409.7	6418.2
9°	6152.2	6138.0	6122.4	6116.7	6136.6
10°	5816.5	5795.2	5789.5	5775.3	5755.4
11°	5426.8	5409.7	5405.4	5379.8	5368.5
12°	4980.1	4971.6	4981.5	4965.9	4960.2
13°	4551.9	4497.9	4490.8	4460.9	4445.3
14°	4045.5	3995.8	3994.3	3978.7	4000.0
15°	3520.6	3486.5	3479.4	3506.4	3492.2
17.5°	2244.7	2267.4	2261.7	2247.5	2223.3
20°	1294.5	1278.8	1301.6	1307.3	1300.1
22.5°	689.9	695.6	699.9	716.9	728.3
25°	384.1	409.7	421.1	419.6	401.1
27.5°	239.0	254.6	276.0	261.7	246.1
30°	147.9	160.7	187.8	162.2	153.6
32.5°	79.7	101.0	120.9	101.0	82.5
35°	41.3	54.1	75.4	55.5	42.7
37.5°	27.0	31.3	48.4	31.3	27.0
40°	15.6	19.9	28.4	19.9	15.6
42.5°	7.1	11.4	15.6	11.4	7.1
45°	2.8	4.3	8.5	5.7	2.8
47.5°	0.0	1.4	4.3	1.4	0.0
50°	0.0	0.0	1.4	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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)