

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: P1307180

Luminaire Tested: P3SQAS20R259027D010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307180
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259027D010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

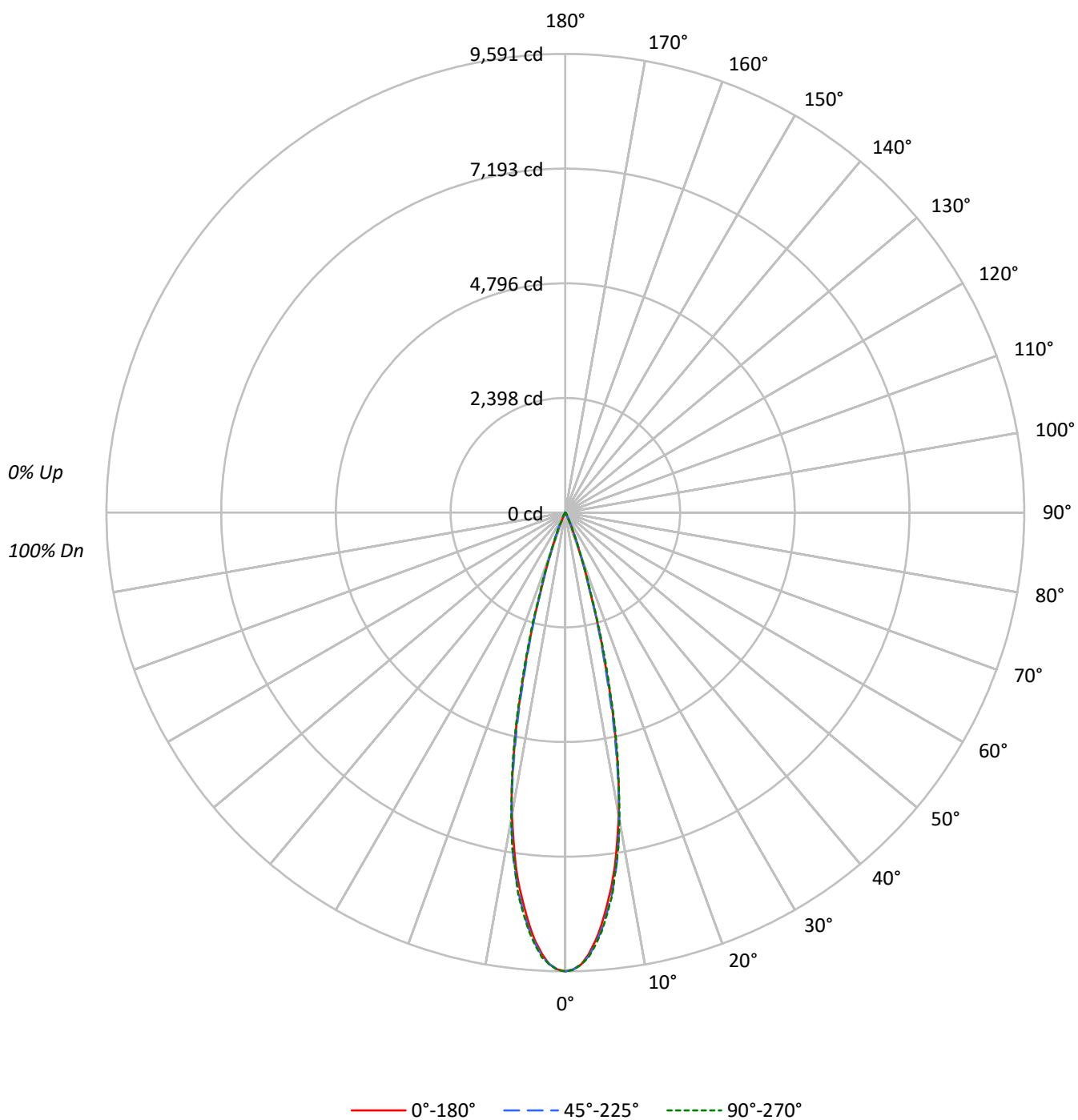
Lumens per Lamp: N/A
Luminaire Lumens: 1770.0 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1651753	1651753	1651753
5°	1496817	1510457	1517822
10°	1125244	1133236	1138483
15°	557163	540546	576580
20°	157342	159963	161686
25°	27288	51592	32381
30°	10679	10977	11296
35°	3322	3658	3658
40°	1057	1416	1057
45°	779	390	779
50°	429	0	429
55°	480	0	480
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: 0°

Vertical Angle: 45°

Luminance: 779 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	761.9	43.0
10°-20°	859.2	48.5
20°-30°	133.3	7.5
30°-40°	13.5	0.8
40°-50°	1.8	0.1
50°-60°	0.3	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°	1754.4	99.1
0°-40°	1767.9	99.9
0°-60°	1770.0	100.0
0°-90°	1770.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1770.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9591	9591	9591	9591	9591	
5°	8658	8674	8737	8772	8780	755
15°	3125	3103	3032	3168	3234	856
25°	144	213	272	207	170	120
35°	16	17	17	19	17	13
45°	3	2	2	2	3	2
55°	2	0	0	0	2	1
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°	9590.8	9590.8	9590.8	9590.8	9590.8
1°	9551.3	9564.0	9549.7	9565.5	9564.0
2°	9451.9	9464.5	9447.2	9456.6	9456.6
3°	9248.3	9275.1	9290.9	9302.0	9311.4
4°	8980.0	9010.0	9033.7	9062.1	9062.1
5°	8658.1	8673.8	8737.0	8771.7	8779.6
6°	8274.6	8337.7	8385.0	8454.5	8411.9
7°	7891.0	7943.1	8009.4	8020.5	8050.4
8°	7455.5	7510.7	7572.3	7561.2	7536.0
9°	6925.2	7005.7	7078.3	7054.6	7086.2
10°	6434.4	6483.3	6480.1	6456.5	6510.1
11°	5864.6	5875.7	5814.1	5910.4	5852.0
12°	5189.2	5198.6	5119.7	5214.4	5274.4
13°	4542.1	4520.0	4411.1	4535.8	4611.5
14°	3797.2	3805.1	3666.2	3907.6	3888.7
15°	3124.9	3102.8	3031.7	3167.5	3233.8
17.5°	1665.0	1679.2	1661.9	1729.7	1772.3
20°	858.5	882.2	872.8	901.2	882.2
22.5°	445.1	478.2	487.7	465.6	405.6
25°	143.6	213.1	271.5	206.7	170.4
27.5°	86.8	85.2	132.6	91.5	93.1
30°	53.7	52.1	55.2	55.2	56.8
32.5°	30.0	31.6	30.0	33.1	31.6
35°	15.8	17.4	17.4	18.9	17.4
37.5°	9.5	11.0	11.0	11.0	9.5
40°	4.7	6.3	6.3	4.7	4.7
42.5°	3.2	3.2	3.2	3.2	3.2
45°	3.2	1.6	1.6	1.6	3.2
47.5°	1.6	1.6	0.0	1.6	1.6
50°	1.6	1.6	0.0	1.6	1.6
52.5°	1.6	0.0	0.0	0.0	1.6
55°	1.6	0.0	0.0	0.0	1.6
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)