

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: P1314674

Luminaire Tested: P3SQAS20R259735D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314674
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: P3SQAS20R259735D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

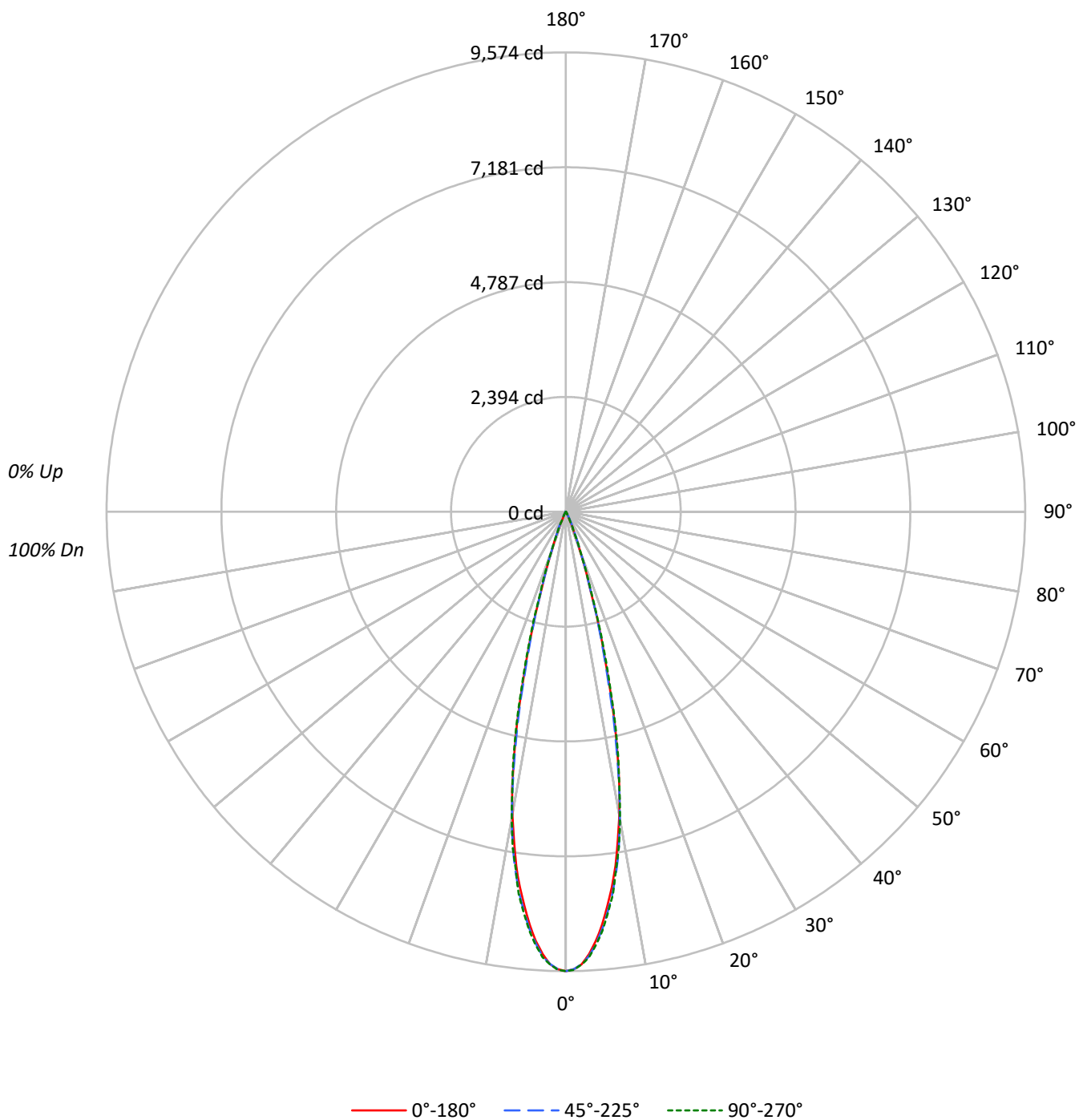
Lumens per Lamp: N/A
Luminaire Lumens: 1767.0 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97
4	106	101	98	95	105	100	97	95	99	96	94		97	94	93		95
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		91
7	99	93	89	87	98	93	89	87	92	89	86		91	88	86		90
8	97	91	87	85	96	90	87	85	90	86	84		89	86	84		88
9	95	89	85	83	94	88	85	83	88	85	82		87	84	82		86
10	93	87	83	81	92	86	83	81	86	83	81		85	82	80		85

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1648946	1648946	1648946
5°	1494275	1507898	1515246
10°	1123338	1131313	1136559
15°	556218	539637	575599
20°	157085	159688	161411
25°	27250	51497	32343
30°	10659	10957	11276
35°	3322	3637	3637
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°	760.6	43.0
10°-20°	857.8	48.5
20°-30°	133.0	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°	1751.4	99.1
0°-40°	1764.9	99.9
0°-60°	1767.0	100.0
0°-90°	1767.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1767.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9574	9574	9574	9574	9574	
5°	8643	8659	8722	8757	8765	753
15°	3120	3098	3027	3162	3228	854
25°	143	213	271	206	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°	9574.5	9574.5	9574.5	9574.5	9574.5
1°	9535.1	9547.7	9533.6	9549.3	9547.7
2°	9435.9	9448.5	9431.2	9440.6	9440.6
3°	9232.6	9259.4	9275.2	9286.2	9295.7
4°	8964.8	8994.7	9018.4	9046.7	9046.7
5°	8643.4	8659.1	8722.2	8756.8	8764.7
6°	8260.5	8323.6	8370.8	8440.1	8397.6
7°	7877.7	7929.7	7995.8	8006.9	8036.8
8°	7442.8	7498.0	7559.4	7548.4	7523.2
9°	6913.4	6993.8	7066.3	7042.6	7074.2
10°	6423.5	6472.3	6469.1	6445.5	6499.1
11°	5854.7	5865.7	5804.3	5900.4	5842.1
12°	5180.4	5189.8	5111.0	5205.6	5265.4
13°	4534.4	4512.3	4403.6	4528.1	4603.7
14°	3790.7	3798.6	3660.0	3901.0	3882.1
15°	3119.6	3097.5	3026.6	3162.1	3228.3
17.5°	1662.2	1676.4	1659.0	1726.8	1769.3
20°	857.1	880.7	871.3	899.6	880.7
22.5°	444.3	477.4	486.8	464.8	404.9
25°	143.4	212.7	271.0	206.4	170.2
27.5°	86.7	85.1	132.3	91.4	93.0
30°	53.6	52.0	55.1	55.1	56.7
32.5°	29.9	31.5	29.9	33.1	31.5
35°	15.8	17.3	17.3	18.9	17.3
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)