

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: P1316247

Luminaire Tested: P3SQAS13R309827DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309827DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

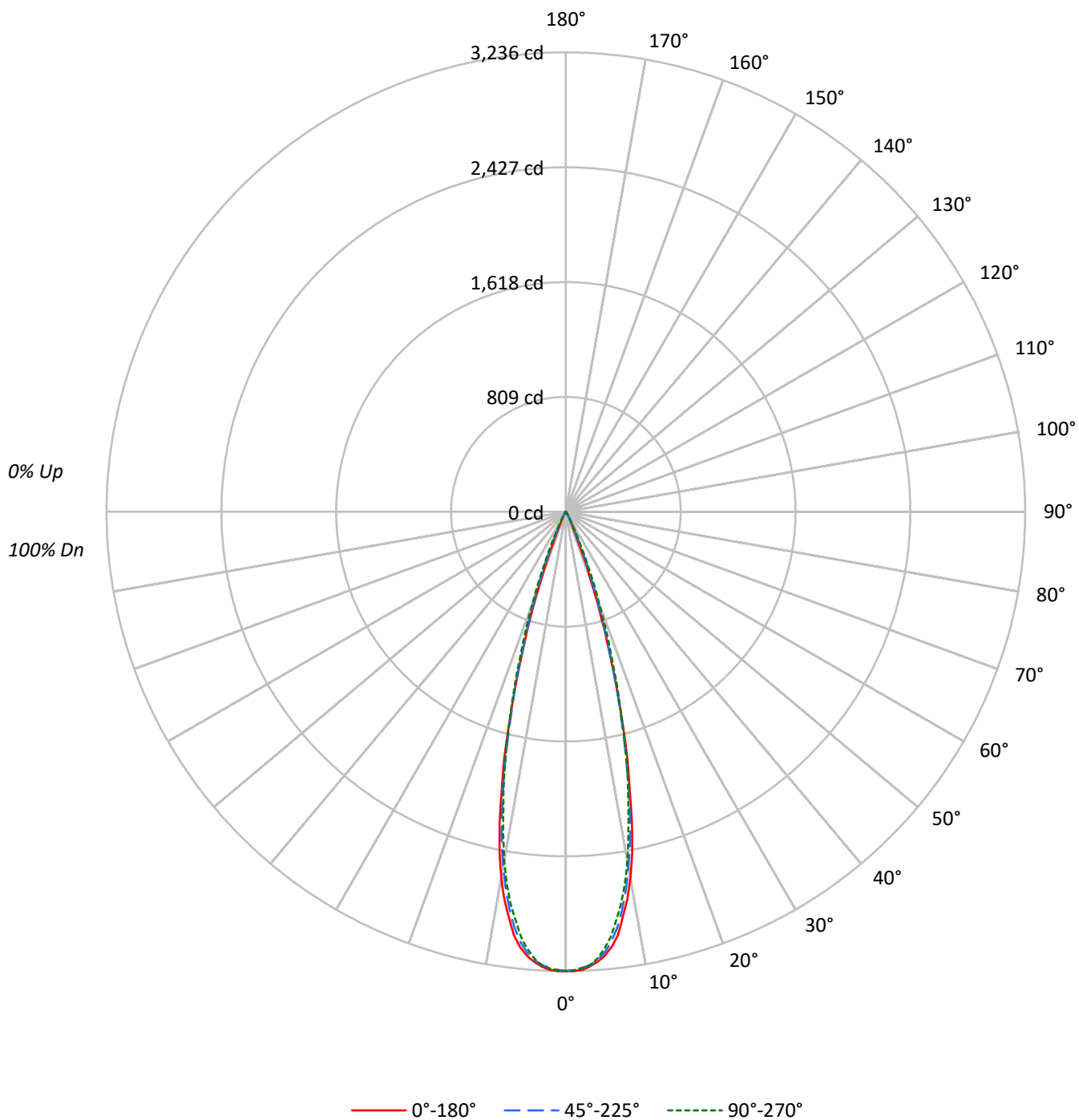
Lumens per Lamp: N/A
Luminaire Lumens: 784.0 lumens
Efficiency: N/A
Efficacy: 54.1 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	111	110	113	111	109	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	101	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	557244	557244	557244
5°	542897	539162	534719
10°	458149	444089	436884
15°	276094	268392	273331
20°	93654	108151	124737
25°	17216	26965	31848
30°	5906	6582	7398
35°	1703	2123	2271
40°	450	764	607
45°	170	170	170
50°	188	0	188
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: 0°

Vertical Angle: 52.5°

Luminance: 198 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.8	35.7
10°-20°	408.9	52.2
20°-30°	86.5	11.0
30°-40°	8.0	1.0
40°-50°	0.8	0.1
50°-60°	0.1	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°	775.2	98.9
0°-40°	783.2	99.9
0°-60°	784.0	100.0
0°-90°	784.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	784.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3236	3236	3236	3236	3236	
5°	3140	3134	3119	3109	3093	284
15°	1548	1543	1505	1540	1533	408
25°	91	101	142	167	168	66
35°	8	10	10	12	11	7
45°	1	1	1	1	1	1
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°	3235.6	3235.6	3235.6	3235.6	3235.6
1°	3236.3	3232.9	3228.2	3234.9	3230.2
2°	3229.5	3221.4	3214.6	3221.4	3219.4
3°	3209.2	3202.5	3197.7	3201.1	3201.1
4°	3178.8	3171.4	3167.3	3168.0	3157.9
5°	3140.3	3134.2	3118.7	3109.2	3093.0
6°	3083.5	3068.6	3049.7	3034.2	3013.2
7°	3006.5	2983.5	2956.4	2929.4	2903.0
8°	2882.8	2872.0	2835.5	2817.2	2790.8
9°	2766.5	2740.2	2701.0	2671.2	2657.0
10°	2619.8	2580.6	2539.4	2515.8	2498.2
11°	2446.1	2406.3	2373.1	2338.7	2311.6
12°	2242.0	2208.2	2170.4	2147.4	2115.6
13°	2000.0	1995.3	1952.7	1945.3	1941.2
14°	1792.5	1773.6	1731.7	1743.2	1745.9
15°	1548.5	1543.1	1505.3	1540.4	1533.0
17.5°	969.9	972.0	995.6	1051.0	1068.6
20°	511.0	526.5	590.1	657.0	680.6
22.5°	206.8	241.3	306.2	351.5	381.9
25°	90.6	101.4	141.9	167.0	167.6
27.5°	51.4	52.0	68.3	71.0	72.3
30°	29.7	30.4	33.1	35.1	37.2
32.5°	16.2	17.6	18.2	21.0	21.0
35°	8.1	10.1	10.1	12.2	10.8
37.5°	4.7	5.4	6.1	6.1	5.4
40°	2.0	2.7	3.4	3.4	2.7
42.5°	0.7	1.4	1.4	1.4	2.0
45°	0.7	0.7	0.7	0.7	0.7
47.5°	0.7	0.7	0.0	0.7	0.7
50°	0.7	0.0	0.0	0.0	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
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)