

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: P1316242

Luminaire Tested: P3SQAS13R309827DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316242
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: P3SQAS13R309827DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

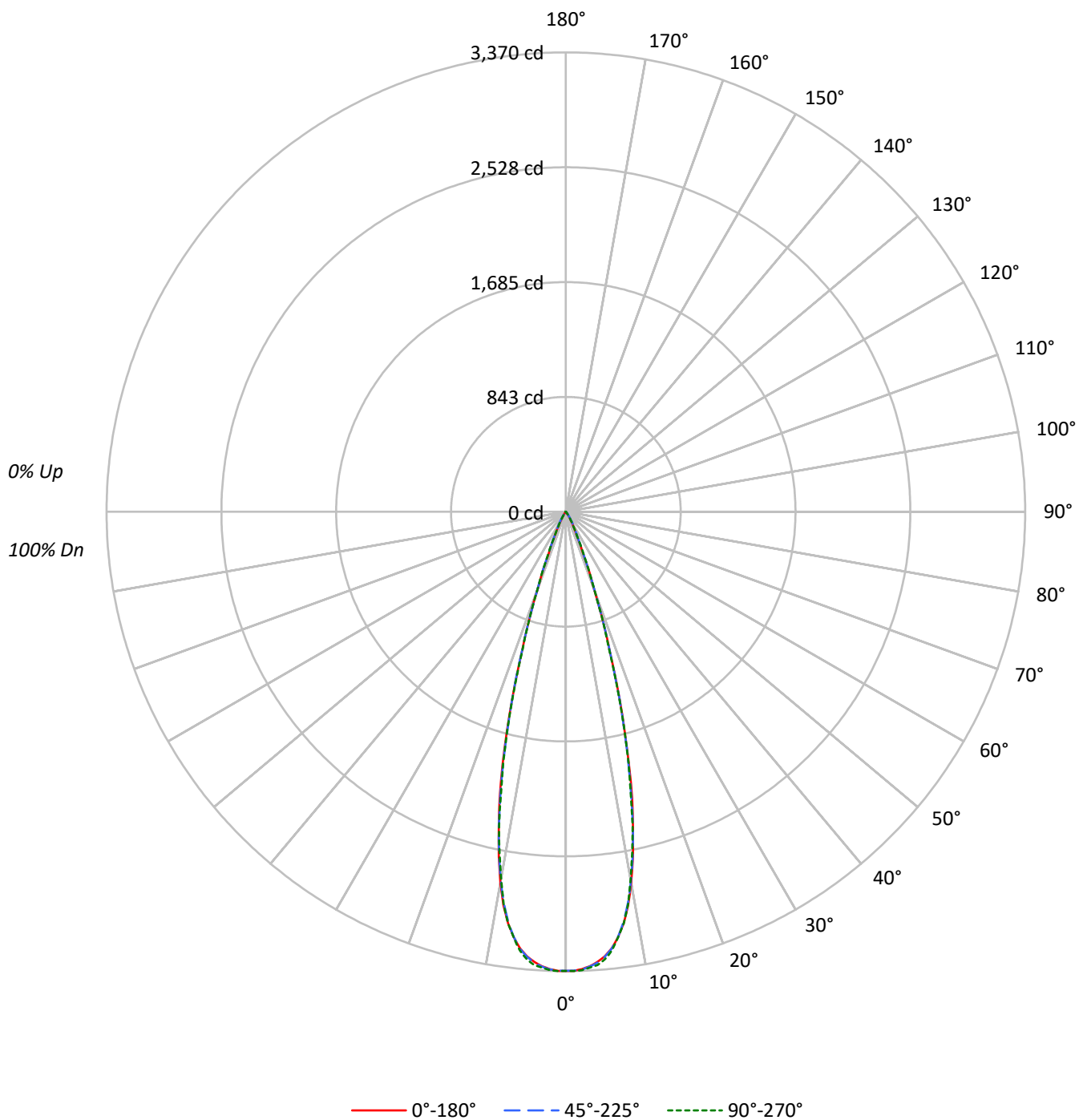
Lumens per Lamp: N/A
Luminaire Lumens: 869.0 lumens
Efficiency: N/A
Efficacy: 59.9 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	580011	580011	580011
5°	565872	566564	569728
10°	483297	481041	478208
15°	298239	294744	295832
20°	112714	113338	113209
25°	34680	38024	36219
30°	13980	17739	14517
35°	4121	7527	4268
40°	1664	3035	1664
45°	341	999	341
50°	0	188	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: 999 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.0	34.2
10°-20°	439.8	50.6
20°-30°	109.1	12.6
30°-40°	20.5	2.4
40°-50°	2.6	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°	845.9	97.3
0°-40°	866.4	99.7
0°-60°	869.0	100.0
0°-90°	869.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	869.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3368	3368	3368	3368	3368	
5°	3273	3272	3277	3283	3296	297
15°	1673	1656	1653	1666	1659	442
25°	182	195	200	199	191	105
35°	20	26	36	26	20	16
45°	1	2	4	3	1	2
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°	3367.8	3367.8	3367.8	3367.8	3367.8
1°	3369.1	3366.4	3366.4	3362.4	3369.8
2°	3357.0	3354.3	3359.0	3355.6	3365.1
3°	3338.7	3335.3	3342.1	3344.1	3348.9
4°	3311.7	3309.0	3316.4	3320.5	3333.3
5°	3273.2	3271.8	3277.2	3282.6	3295.5
6°	3220.4	3218.4	3221.8	3228.6	3236.7
7°	3144.1	3140.0	3142.7	3144.1	3146.1
8°	3047.4	3041.3	3038.0	3045.4	3049.5
9°	2923.1	2916.3	2908.9	2906.2	2915.6
10°	2763.6	2753.4	2750.7	2744.0	2734.5
11°	2578.4	2570.3	2568.2	2556.1	2550.7
12°	2366.2	2362.1	2366.8	2359.4	2356.7
13°	2162.7	2137.1	2133.7	2119.5	2112.0
14°	1922.1	1898.5	1897.8	1890.4	1900.5
15°	1672.7	1656.5	1653.1	1666.0	1659.2
17.5°	1066.5	1077.3	1074.6	1067.9	1056.4
20°	615.0	607.6	618.4	621.1	617.7
22.5°	327.8	330.5	332.5	340.6	346.0
25°	182.5	194.6	200.1	199.4	190.6
27.5°	113.5	121.0	131.1	124.4	116.9
30°	70.3	76.4	89.2	77.0	73.0
32.5°	37.8	48.0	57.4	48.0	39.2
35°	19.6	25.7	35.8	26.4	20.3
37.5°	12.8	14.9	23.0	14.9	12.8
40°	7.4	9.5	13.5	9.5	7.4
42.5°	3.4	5.4	7.4	5.4	3.4
45°	1.4	2.0	4.1	2.7	1.4
47.5°	0.0	0.7	2.0	0.7	0.0
50°	0.0	0.0	0.7	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)