

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: P1312424

Luminaire Tested: P3SQAS13R259727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312424
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

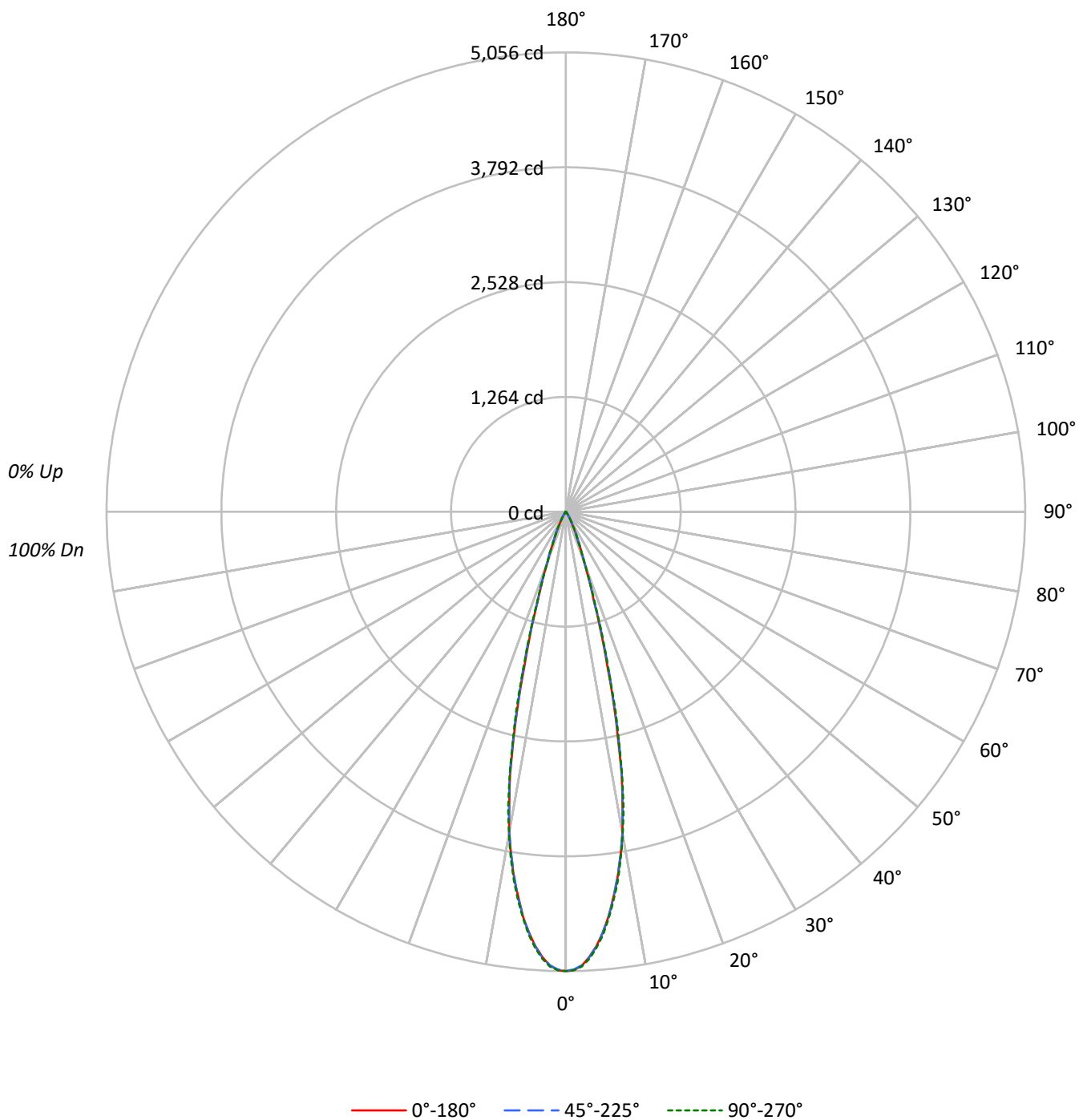
Lumens per Lamp: N/A
Luminaire Lumens: 1067.9 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	102	102		100
2	112	108	105	103	110	107	104	102	103	101	100		101	99	97		98
3	108	104	100	98	107	103	99	97	100	98	95		98	96	94		96
4	105	100	96	93	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	92	90	94	91	89		93	90	88		91
6	100	94	90	87	98	93	89	87	92	88	86		90	88	86		89
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87
8	95	88	84	82	94	88	84	82	87	84	81		86	83	81		85
9	92	86	82	80	91	86	82	79	85	82	79		84	81	79		83
10	90	84	80	78	89	84	80	77	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	870672	870672	870672
5°	804206	803929	808441
10°	628202	626506	630773
15°	316033	329245	328942
20°	108133	111120	109324
25°	43459	48875	45321
30°	17639	21040	17162
35°	5130	9230	5130
40°	2383	4024	2383
45°	804	1583	804
50°	429	643	429
55°	480	480	480
60°	551	551	551
65°	326	326	326
70°	403	403	403
75°	532	532	532
80°	0	793	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1583 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.1	38.4
10°-20°	502.0	47.0
20°-30°	122.6	11.5
30°-40°	25.4	2.4
40°-50°	4.4	0.4
50°-60°	1.5	0.1
60°-70°	1.1	0.1
70°-80°	0.8	0.1
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°	1034.8	96.9
0°-40°	1060.1	99.3
0°-60°	1066.0	99.8
0°-90°	1067.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1067.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5056	5056	5056	5056	5056	
5°	4652	4656	4650	4660	4676	410
15°	1772	1803	1847	1855	1845	495
25°	229	239	257	242	238	117
35°	24	34	44	33	24	21
45°	3	5	6	5	3	3
55°	2	2	2	2	2	1
65°	1	2	1	1	1	1
75°	1	1	1	1	1	1
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°	5055.5	5055.5	5055.5	5055.5	5055.5
1°	5045.7	5039.2	5037.6	5038.4	5046.5
2°	5000.2	4996.1	4995.3	4997.7	5009.1
3°	4907.4	4912.3	4913.9	4922.0	4927.7
4°	4793.4	4803.2	4799.1	4808.9	4815.4
5°	4651.8	4655.9	4650.2	4660.0	4676.3
6°	4486.6	4472.0	4485.8	4489.9	4501.3
7°	4280.7	4284.0	4288.9	4293.8	4310.8
8°	4078.1	4068.3	4065.9	4088.7	4102.5
9°	3841.3	3842.9	3833.9	3860.0	3864.1
10°	3592.2	3571.9	3582.5	3602.8	3606.9
11°	3263.4	3257.7	3273.2	3305.0	3330.2
12°	2955.0	2958.3	2974.5	2985.1	2979.4
13°	2547.3	2571.7	2592.0	2602.6	2588.8
14°	2178.6	2178.6	2204.7	2208.7	2258.4
15°	1772.5	1802.6	1846.6	1854.7	1844.9
17.5°	1023.8	1027.9	1049.0	1048.2	1063.7
20°	590.0	595.7	606.3	603.9	596.5
22.5°	354.8	367.0	392.3	371.9	366.2
25°	228.7	239.3	257.2	242.5	238.5
27.5°	143.2	150.6	164.4	151.4	144.9
30°	88.7	92.8	105.8	93.6	86.3
32.5°	48.0	58.6	69.2	58.6	48.0
35°	24.4	34.2	43.9	33.4	24.4
37.5°	16.3	19.5	28.5	18.7	16.3
40°	10.6	13.0	17.9	13.0	10.6
42.5°	5.7	8.1	9.8	9.0	5.7
45°	3.3	4.9	6.5	4.9	3.3
47.5°	2.4	2.4	4.1	2.4	1.6
50°	1.6	1.6	2.4	1.6	1.6
52.5°	1.6	1.6	1.6	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.6	1.6	1.6	1.6	1.6
62.5°	1.6	1.6	1.6	1.6	1.6
65°	0.8	1.6	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.8	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)