

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: P1312441

Luminaire Tested: P3SQAS13R309727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312441
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

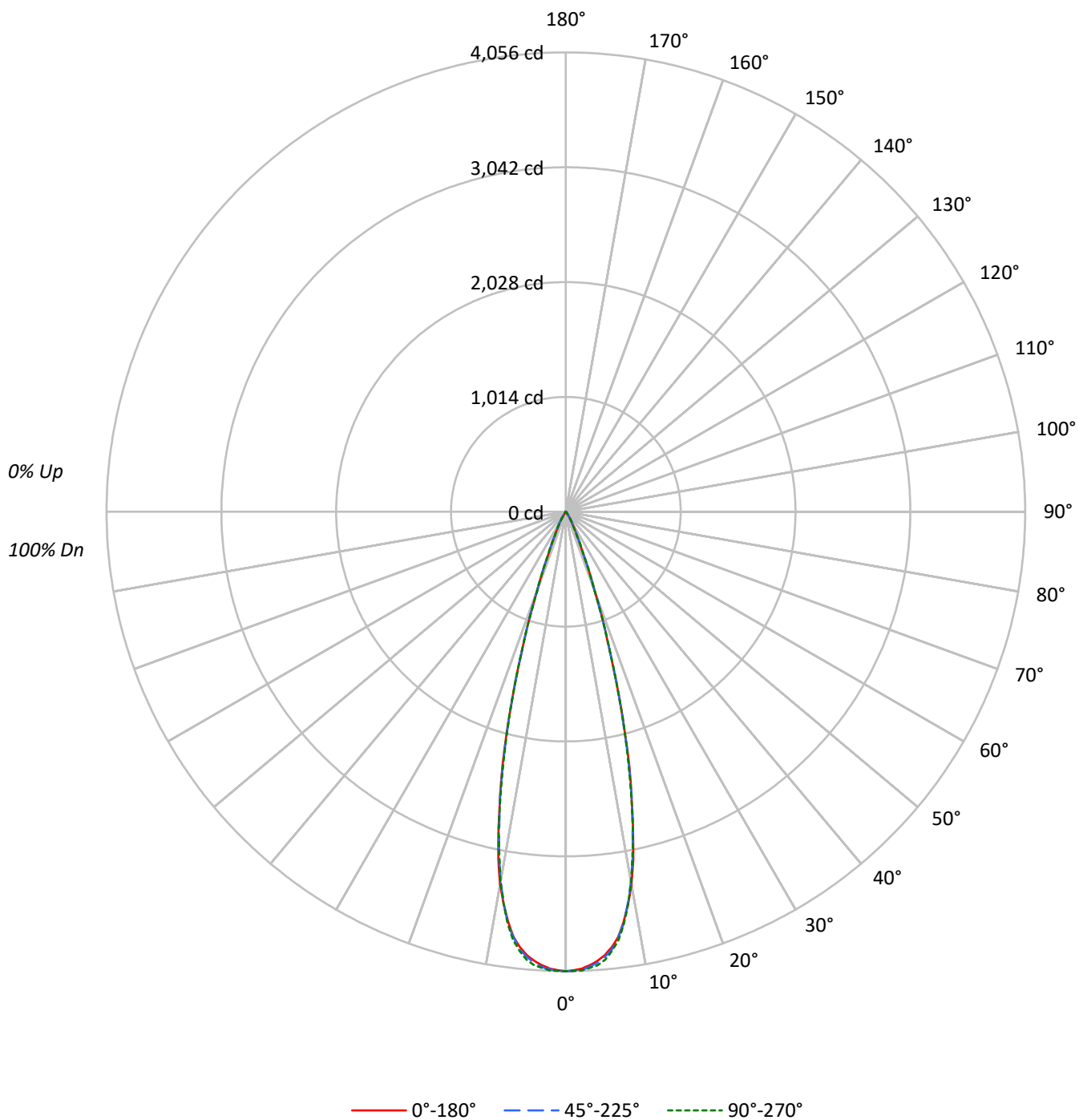
Lumens per Lamp: N/A
Luminaire Lumens: 1054.9 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93
5	102	96	92	89	100	95	91	89	94	90	88		92	89	87		91
6	99	93	89	86	98	92	88	85	91	87	85		90	87	84		88
7	96	90	86	83	95	89	85	83	88	85	82		87	84	82		86
8	94	87	83	80	93	87	83	80	86	82	80		85	82	80		84
9	91	85	81	78	90	84	80	78	83	80	78		83	80	77		82
10	89	82	78	76	88	82	78	76	81	78	76		81	78	75		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	698621	698621	698621
5°	679472	682428	686647
10°	584272	579306	579865
15°	359021	356115	356400
20°	136632	136943	134396
25°	43459	45777	43611
30°	17480	21696	17958
35°	5656	9587	5656
40°	2563	4204	2563
45°	999	1778	999
50°	429	884	429
55°	480	480	480
60°	551	551	551
65°	326	326	326
70°	403	403	403
75°	532	532	532
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1778 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.8	33.9
10°-20°	530.8	50.3
20°-30°	131.9	12.5
30°-40°	26.3	2.5
40°-50°	4.8	0.5
50°-60°	1.5	0.1
60°-70°	1.1	0.1
70°-80°	0.7	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°	1020.5	96.7
0°-40°	1046.8	99.2
0°-60°	1053.1	99.8
0°-90°	1054.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1054.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4056	4056	4056	4056	4056	
5°	3930	3943	3947	3953	3972	357
15°	2014	2018	1997	2004	1999	533
25°	229	234	241	238	230	128
35°	27	35	46	34	27	22
45°	4	5	7	6	4	4
55°	2	2	2	2	2	1
65°	1	1	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°	4056.5	4056.5	4056.5	4056.5	4056.5
1°	4047.5	4052.4	4055.6	4055.6	4055.6
2°	4036.1	4039.4	4044.3	4045.1	4051.6
3°	4009.3	4016.6	4024.7	4029.6	4032.9
4°	3976.7	3986.5	3991.3	4003.6	4014.1
5°	3930.3	3943.3	3947.4	3953.1	3971.8
6°	3867.6	3877.4	3885.5	3888.0	3899.4
7°	3784.6	3789.5	3787.9	3791.9	3812.3
8°	3658.5	3660.1	3673.9	3665.0	3678.8
9°	3508.7	3502.2	3498.9	3505.5	3506.3
10°	3341.0	3319.1	3312.6	3306.9	3315.8
11°	3123.7	3095.2	3097.7	3096.1	3083.0
12°	2853.5	2850.3	2829.1	2833.2	2852.7
13°	2577.6	2583.3	2579.2	2584.1	2562.1
14°	2318.8	2291.1	2298.4	2270.8	2281.4
15°	2013.6	2017.6	1997.3	2003.8	1998.9
17.5°	1289.2	1298.2	1291.7	1286.0	1294.9
20°	745.5	744.7	747.2	739.8	733.3
22.5°	392.3	398.0	405.3	406.1	411.0
25°	228.7	233.6	240.9	237.7	229.5
27.5°	140.0	148.9	160.3	152.2	142.4
30°	87.9	95.2	109.1	96.0	90.3
32.5°	49.6	60.2	71.6	60.2	49.6
35°	26.9	35.0	45.6	34.2	26.9
37.5°	17.9	20.3	30.1	20.3	17.9
40°	11.4	13.8	18.7	13.8	11.4
42.5°	6.5	9.0	10.6	9.0	6.5
45°	4.1	4.9	7.3	5.7	4.1
47.5°	1.6	2.4	4.9	2.4	2.4
50°	1.6	1.6	3.3	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	0.8	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	0.0	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)