

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: P1312440

Luminaire Tested: P3SQAS13R309727DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312440
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: P3SQAS13R309727DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

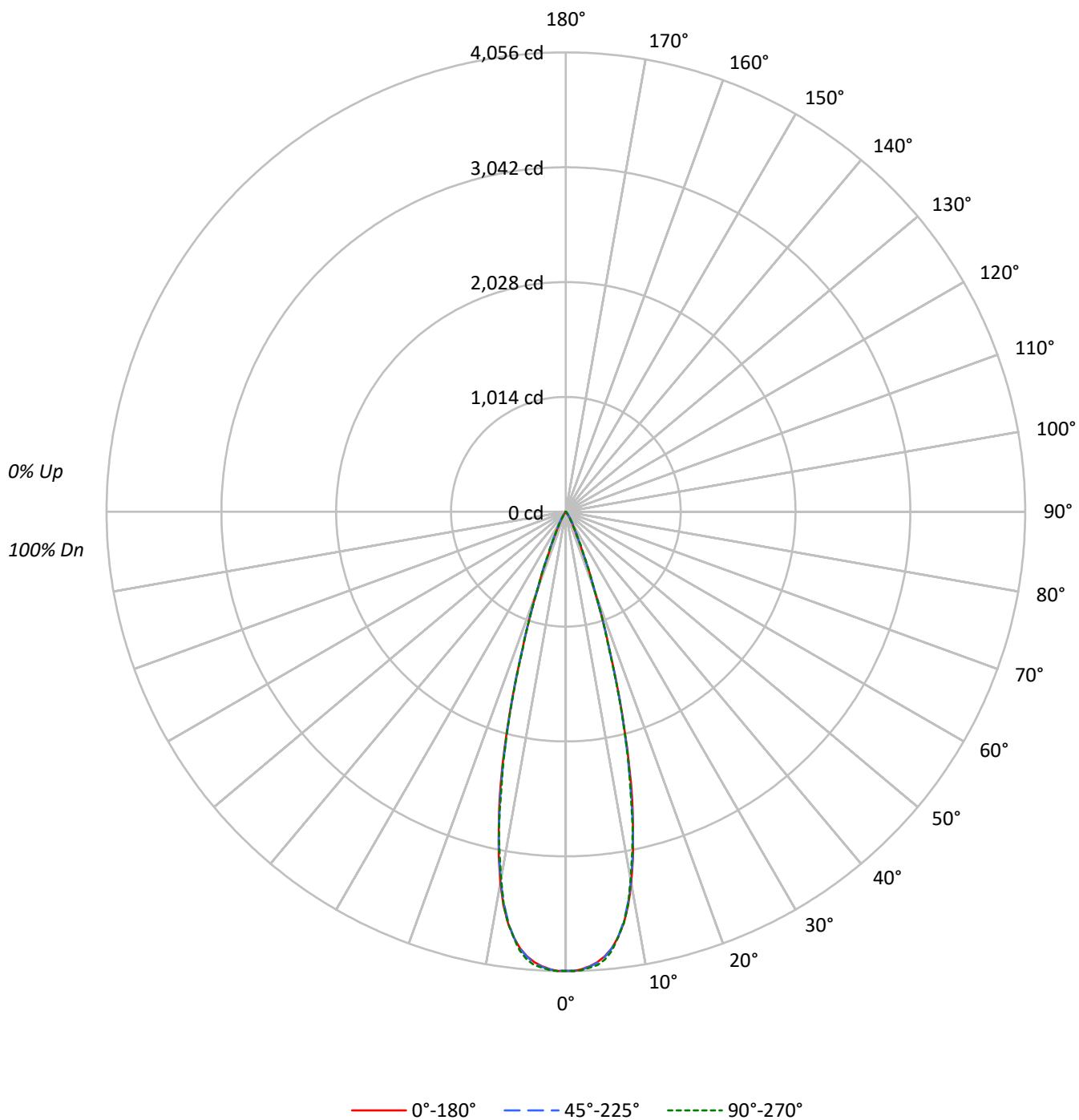
Lumens per Lamp: N/A
Luminaire Lumens: 1046.0 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	110	113	111	109	108	107	106	105		103	102	101		100
2	112	108	105	103	109	106	104	102	103	101	99		100	99	97		98
3	108	104	100	97	106	102	99	97	100	97	95		98	95	94		95
4	105	100	96	93	103	99	95	92	97	94	91		95	92	90		93
5	102	96	92	89	101	95	92	89	94	91	88		92	90	87		91
6	99	93	89	86	98	92	89	86	91	88	85		90	87	85		89
7	96	90	86	83	95	90	86	83	89	85	83		87	85	82		87
8	94	88	84	81	93	87	83	81	86	83	80		85	82	80		84
9	91	85	81	78	91	85	81	78	84	80	78		83	80	78		82
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	698139	698139	698139
5°	681115	681962	685765
10°	581736	579026	575616
15°	358985	354795	356097
20°	135679	136430	136284
25°	41730	45758	43592
30°	16824	21358	17480
35°	4962	9062	5130
40°	2001	3665	2001
45°	390	1193	390
50°	0	214	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: 1193 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.5	34.2
10°-20°	529.4	50.6
20°-30°	131.3	12.6
30°-40°	24.7	2.4
40°-50°	3.1	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°	1018.2	97.3
0°-40°	1042.9	99.7
0°-60°	1046.0	100.0
0°-90°	1046.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1046.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4054	4054	4054	4054	4054	
5°	3940	3938	3945	3951	3967	358
15°	2013	1994	1990	2005	1997	532
25°	220	234	241	240	229	126
35°	24	31	43	32	24	20
45°	2	2	5	3	2	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°	4053.7	4053.7	4053.7	4053.7	4053.7
1°	4055.4	4052.1	4052.1	4047.2	4056.2
2°	4040.7	4037.5	4043.2	4039.1	4050.5
3°	4018.8	4014.7	4022.8	4025.3	4031.0
4°	3986.2	3983.0	3991.9	3996.8	4012.3
5°	3939.8	3938.2	3944.7	3951.2	3966.7
6°	3876.4	3874.0	3878.0	3886.2	3895.9
7°	3784.5	3779.6	3782.8	3784.5	3786.9
8°	3668.1	3660.8	3656.7	3665.7	3670.6
9°	3518.4	3510.3	3501.4	3498.1	3509.5
10°	3326.5	3314.3	3311.0	3302.9	3291.5
11°	3103.6	3093.8	3091.4	3076.7	3070.2
12°	2848.1	2843.2	2848.9	2840.0	2836.7
13°	2603.2	2572.3	2568.3	2551.2	2542.2
14°	2313.6	2285.2	2284.3	2275.4	2287.6
15°	2013.4	1993.9	1989.9	2005.3	1997.2
17.5°	1283.7	1296.7	1293.5	1285.4	1271.5
20°	740.3	731.3	744.4	747.6	743.6
22.5°	394.6	397.8	400.2	410.0	416.5
25°	219.6	234.3	240.8	240.0	229.4
27.5°	136.7	145.6	157.8	149.7	140.7
30°	84.6	91.9	107.4	92.7	87.9
32.5°	45.6	57.8	69.1	57.8	47.2
35°	23.6	30.9	43.1	31.7	24.4
37.5°	15.5	17.9	27.7	17.9	15.5
40°	8.9	11.4	16.3	11.4	8.9
42.5°	4.1	6.5	8.9	6.5	4.1
45°	1.6	2.4	4.9	3.3	1.6
47.5°	0.0	0.8	2.4	0.8	0.0
50°	0.0	0.0	0.8	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)