

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: P1312465

Luminaire Tested: P3SQAS13R359727DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312465
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R359727DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

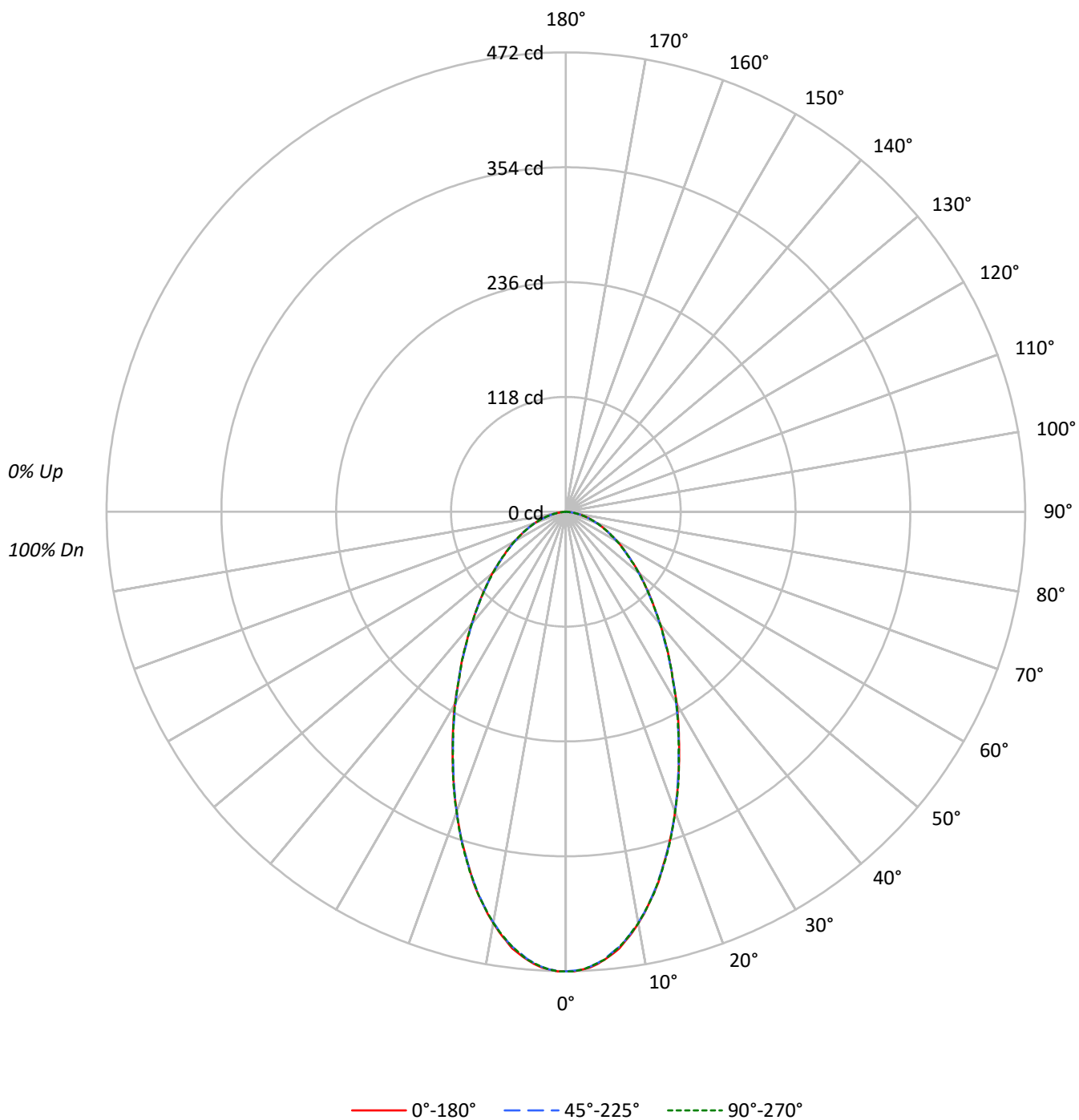
Lumens per Lamp: N/A
Luminaire Lumens: 631.0 lumens
Efficiency: N/A
Efficacy: 43.2 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	107	103	100	108	105	101	99	100	98	95		97	95	93		93
2	103	96	90	85	100	94	89	84	90	86	82		87	84	81		84
3	95	86	79	74	93	85	78	73	82	76	72		79	75	71		77
4	88	78	71	65	86	77	70	65	75	68	64		72	67	63		70
5	82	71	64	58	80	70	63	58	68	62	57		66	61	56		65
6	77	65	58	52	75	65	57	52	63	56	51		61	55	51		60
7	72	60	53	47	71	60	52	47	58	52	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	43		53	47	43		52
9	64	52	45	40	63	51	44	40	50	44	39		49	44	39		48
10	60	49	42	37	59	48	41	37	47	41	37		46	41	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	81341	81341	81341
5°	79819	79681	79819
10°	75058	74918	75058
15°	67949	67949	68092
20°	60151	60151	60151
25°	52314	52143	52143
30°	45341	45023	45182
35°	39043	38874	39043
40°	33880	33678	33880
45°	29763	29544	29544
50°	26391	26177	26177
55°	23240	23240	23240
60°	21046	20770	21046
65°	18909	18909	18909
70°	16818	16818	16818
75°	15172	14639	15172
80°	12893	12893	12893
85°	8102	8102	8102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29763 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.0	6.8
10°-20°	106.3	16.8
20°-30°	126.3	20.0
30°-40°	116.1	18.4
40°-50°	94.2	14.9
50°-60°	69.7	11.1
60°-70°	46.1	7.3
70°-80°	23.9	3.8
80°-90°	5.4	0.8
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°	275.6	43.7
0°-40°	391.7	62.1
0°-60°	555.7	88.1
0°-90°	631.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	631.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	472	472	472	472	472	
5°	462	461	461	461	462	43
15°	381	381	381	381	382	106
25°	275	274	274	275	274	127
35°	186	185	185	186	186	116
45°	122	121	121	121	121	95
55°	77	77	77	77	77	70
65°	46	46	46	46	46	46
75°	23	23	22	23	23	24
85°	4	4	4	4	4	5
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	472.3	472.3	472.3	472.3	472.3
1°	472.3	471.5	471.5	471.5	472.3
2°	470.7	470.7	470.7	470.7	470.7
3°	469.1	468.3	468.3	468.3	468.3
4°	465.8	465.0	465.0	465.0	465.0
5°	461.7	460.9	460.9	460.9	461.7
6°	456.9	456.0	455.2	455.2	456.0
7°	452.0	450.3	450.3	450.3	450.3
8°	444.6	443.8	443.8	443.8	443.8
9°	437.3	435.7	436.5	436.5	436.5
10°	429.2	428.4	428.4	428.4	429.2
11°	421.0	420.2	420.2	419.4	420.2
12°	411.3	411.3	411.3	411.3	411.3
13°	402.3	401.5	401.5	401.5	402.3
14°	392.5	391.7	391.7	391.7	391.7
15°	381.1	381.1	381.1	381.1	381.9
17.5°	355.1	354.2	355.1	355.1	355.9
20°	328.2	327.4	328.2	328.2	328.2
22.5°	301.3	301.3	300.5	301.3	302.1
25°	275.3	274.4	274.4	275.3	274.4
27.5°	250.8	250.0	250.0	250.0	250.0
30°	228.0	226.4	226.4	227.2	227.2
32.5°	204.4	204.4	205.2	204.4	204.4
35°	185.7	184.9	184.9	185.7	185.7
37.5°	166.9	166.1	166.1	166.9	166.9
40°	150.7	150.7	149.8	150.7	150.7
42.5°	135.2	135.2	135.2	135.2	135.2
45°	122.2	121.3	121.3	121.3	121.3
47.5°	109.1	109.1	109.1	108.3	109.1
50°	98.5	97.7	97.7	97.7	97.7
52.5°	87.1	87.1	87.1	87.1	87.1
55°	77.4	77.4	77.4	77.4	77.4
57.5°	69.2	68.4	68.4	68.4	68.4
60°	61.1	61.1	60.3	61.1	61.1
62.5°	52.9	52.9	52.9	52.9	52.9
65°	46.4	46.4	46.4	46.4	46.4
67.5°	39.9	39.9	39.9	39.9	39.9
70°	33.4	33.4	33.4	33.4	33.4
72.5°	28.5	27.7	27.7	27.7	27.7
75°	22.8	22.8	22.0	22.8	22.8
77.5°	17.1	17.1	17.1	17.1	17.1
80°	13.0	13.0	13.0	12.2	13.0
82.5°	8.1	8.1	8.1	8.1	8.1
85°	4.1	4.1	4.1	4.1	4.1
87.5°	0.8	0.8	0.8	1.6	1.6



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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)