

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: P1312399

Luminaire Tested: P3SQAS13R159727DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312399
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R159727DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

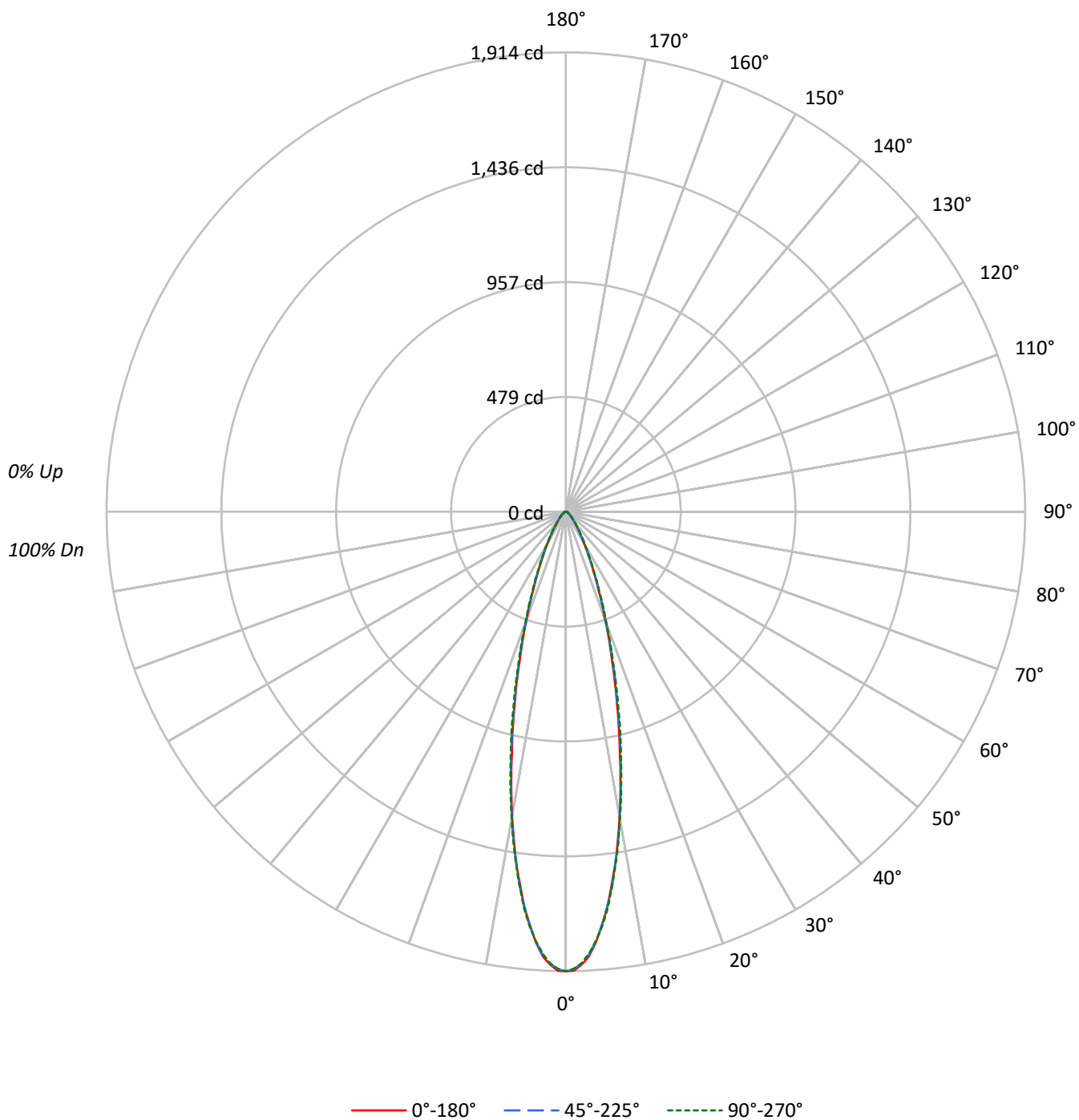
Lumens per Lamp: N/A
Luminaire Lumens: 633.0 lumens
Efficiency: N/A
Efficacy: 43.4 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	329669	329669	329669
5°	298599	299170	299585
10°	225437	226014	227151
15°	146222	147827	150715
20°	88046	89090	90282
25°	51440	52523	53283
30°	30228	31202	31679
35°	18628	19300	19658
40°	12253	12612	12792
45°	8525	8719	8914
50°	6323	6538	6752
55°	5134	5375	5375
60°	4478	4478	4478
65°	3994	3994	3994
70°	3273	3676	3676
75°	3261	3261	3261
80°	2380	3273	3273
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 8914 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	23.8
10°-20°	230.5	36.4
20°-30°	131.0	20.7
30°-40°	59.8	9.4
40°-50°	28.7	4.5
50°-60°	16.0	2.5
60°-70°	9.8	1.6
70°-80°	5.2	0.8
80°-90°	1.1	0.2
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°	512.4	80.9
0°-40°	572.1	90.4
0°-60°	616.9	97.4
0°-90°	633.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	633.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1914	1914	1914	1914	1914	
5°	1727	1726	1730	1730	1733	151
15°	820	824	829	840	845	228
25°	271	271	276	279	280	128
35°	89	90	92	94	94	58
45°	35	35	36	37	37	28
55°	17	17	18	18	18	16
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1914.2	1914.2	1914.2	1914.2	1914.2
1°	1912.5	1907.6	1906.0	1905.2	1903.6
2°	1888.1	1884.1	1883.3	1883.3	1882.5
3°	1854.0	1846.7	1847.5	1845.1	1842.6
4°	1796.3	1793.0	1794.7	1796.3	1793.0
5°	1727.2	1726.4	1730.5	1730.5	1732.9
6°	1655.7	1654.9	1652.4	1658.9	1662.2
7°	1564.6	1569.5	1576.0	1572.8	1575.2
8°	1481.7	1476.0	1478.5	1486.6	1487.4
9°	1384.2	1380.1	1390.7	1394.0	1394.8
10°	1289.1	1293.2	1292.4	1303.7	1298.9
12.5°	1041.2	1047.7	1055.0	1059.9	1064.8
15°	820.1	824.2	829.1	840.4	845.3
17.5°	630.7	635.6	640.5	650.2	651.9
20°	480.4	482.8	486.1	495.0	492.6
22.5°	359.3	363.3	366.6	370.6	373.1
25°	270.7	270.7	276.4	278.8	280.4
27.5°	201.6	203.2	207.3	210.5	209.7
30°	152.0	154.4	156.9	158.5	159.3
32.5°	117.0	117.0	119.5	121.9	122.7
35°	88.6	90.2	91.8	93.5	93.5
37.5°	69.1	69.9	71.5	72.3	72.3
40°	54.5	54.5	56.1	56.9	56.9
42.5°	43.1	43.9	44.7	45.5	45.5
45°	35.0	35.0	35.8	36.6	36.6
47.5°	28.4	28.4	29.3	30.1	30.1
50°	23.6	24.4	24.4	25.2	25.2
52.5°	20.3	20.3	20.3	21.1	21.1
55°	17.1	17.1	17.9	17.9	17.9
57.5°	14.6	14.6	14.6	15.4	15.4
60°	13.0	13.0	13.0	13.0	13.0
62.5°	11.4	11.4	11.4	11.4	11.4
65°	9.8	9.8	9.8	9.8	9.8
67.5°	8.1	8.1	8.1	8.9	8.9
70°	6.5	7.3	7.3	7.3	7.3
72.5°	5.7	5.7	5.7	5.7	5.7
75°	4.9	4.9	4.9	4.9	4.9
77.5°	4.1	4.1	4.1	4.1	4.1
80°	2.4	3.3	3.3	3.3	3.3
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)