

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: P1314554

Luminaire Tested: P3SQAS17R359735DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R359735DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

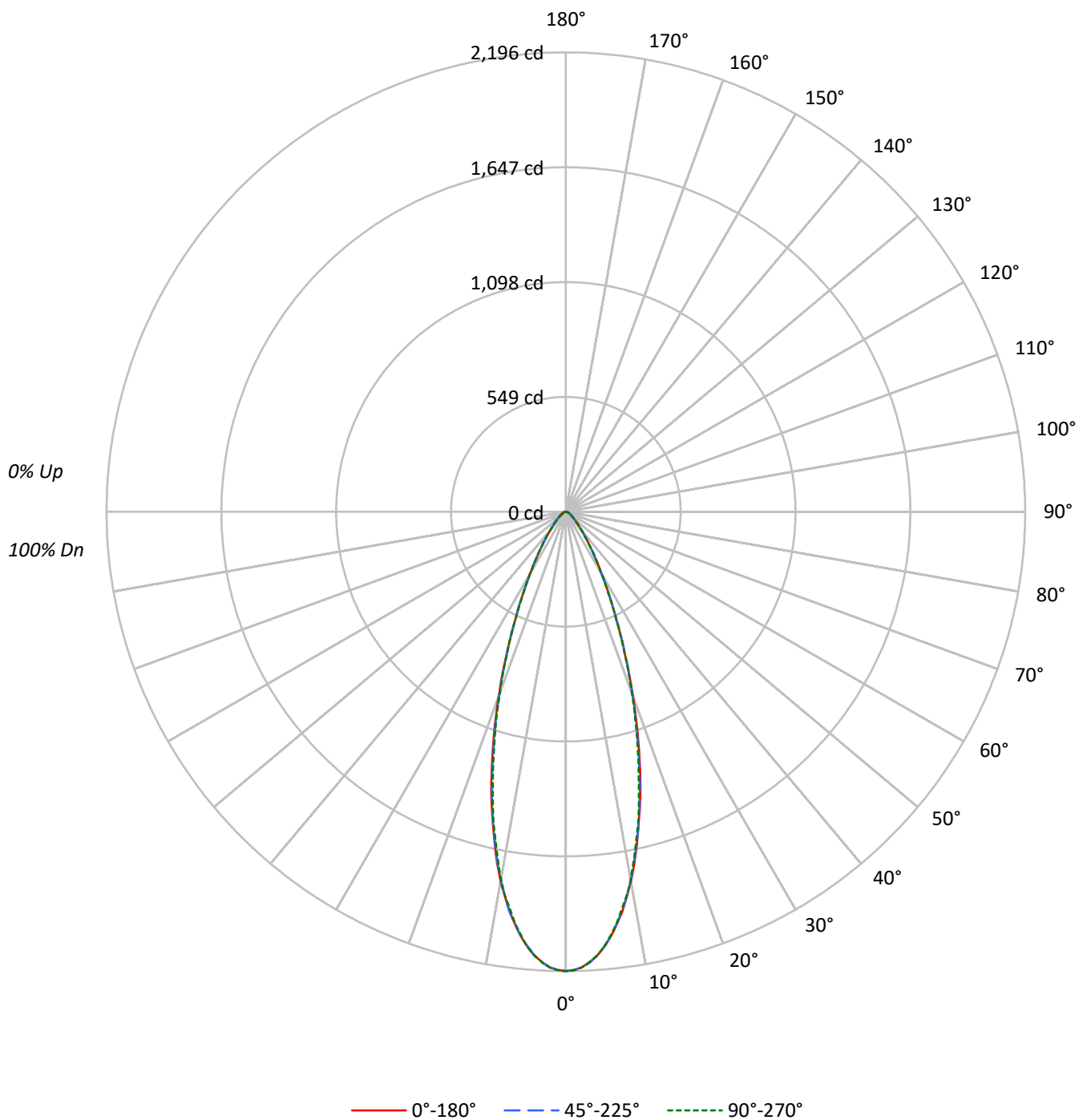
Lumens per Lamp: N/A
Luminaire Lumens: 1083.0 lumens
Efficiency: N/A
Efficacy: 51.1 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	96	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	378201	378201	378201
5°	361389	360767	361389
10°	313734	312684	312265
15°	245837	243912	240060
20°	171986	170446	169347
25°	109227	109911	109227
30°	67296	67773	67296
35°	41629	41881	41881
40°	26439	26709	26709
45°	17829	18121	18413
50°	12861	13182	13182
55°	10089	10089	10089
60°	8267	8267	8267
65°	7335	7335	7335
70°	6647	6647	6647
75°	5590	5590	5590
80°	4761	4761	4761
85°	2371	2371	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 18413 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.8	17.5
10°-20°	373.7	34.5
20°-30°	269.6	24.9
30°-40°	130.0	12.0
40°-50°	59.9	5.5
50°-60°	31.0	2.9
60°-70°	17.9	1.7
70°-80°	9.1	0.8
80°-90°	2.1	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°	833.0	76.9
0°-40°	963.0	88.9
0°-60°	1053.9	97.3
0°-90°	1083.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1083.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2196	2196	2196	2196	2196	
5°	2090	2095	2087	2088	2090	190
15°	1379	1376	1368	1362	1346	376
25°	575	576	578	578	575	270
35°	198	198	199	199	199	129
45°	73	74	74	76	76	59
55°	34	34	34	34	34	30
65°	18	18	18	18	18	18
75°	8	8	8	8	8	9
85°	1	1	1	1	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2196.0	2196.0	2196.0	2196.0	2196.0
1°	2190.0	2193.6	2192.4	2193.6	2192.4
2°	2179.2	2181.6	2179.2	2180.4	2180.4
3°	2156.4	2158.8	2158.8	2157.6	2156.4
4°	2128.8	2134.8	2128.8	2130.0	2126.4
5°	2090.4	2095.2	2086.8	2088.0	2090.4
6°	2043.6	2044.8	2042.4	2041.2	2038.8
7°	1989.6	1994.4	1986.0	1987.2	1984.8
8°	1932.0	1930.8	1930.8	1926.0	1918.8
9°	1862.4	1867.2	1860.0	1857.6	1858.8
10°	1794.0	1794.0	1788.0	1782.0	1785.6
11°	1716.0	1713.6	1710.0	1701.6	1699.2
12°	1630.8	1635.6	1624.8	1621.2	1612.8
13°	1543.2	1550.4	1545.6	1532.4	1533.6
14°	1461.6	1456.8	1453.2	1450.8	1442.4
15°	1378.8	1376.4	1368.0	1362.0	1346.4
17.5°	1152.0	1154.4	1138.8	1136.4	1130.4
20°	938.4	931.2	930.0	931.2	924.0
22.5°	740.4	747.6	739.2	740.4	735.6
25°	574.8	576.0	578.4	578.4	574.8
27.5°	446.4	446.4	444.0	446.4	442.8
30°	338.4	338.4	340.8	343.2	338.4
32.5°	261.6	261.6	261.6	262.8	264.0
35°	198.0	198.0	199.2	199.2	199.2
37.5°	152.4	153.6	154.8	154.8	154.8
40°	117.6	118.8	118.8	120.0	118.8
42.5°	93.6	93.6	93.6	94.8	94.8
45°	73.2	74.4	74.4	75.6	75.6
47.5°	60.0	60.0	60.0	61.2	61.2
50°	48.0	49.2	49.2	49.2	49.2
52.5°	39.6	39.6	40.8	40.8	40.8
55°	33.6	33.6	33.6	33.6	33.6
57.5°	27.6	28.8	28.8	28.8	28.8
60°	24.0	24.0	24.0	24.0	24.0
62.5°	20.4	20.4	20.4	20.4	20.4
65°	18.0	18.0	18.0	18.0	18.0
67.5°	14.4	15.6	15.6	15.6	15.6
70°	13.2	13.2	13.2	13.2	13.2
72.5°	9.6	10.8	10.8	10.8	10.8
75°	8.4	8.4	8.4	8.4	8.4
77.5°	7.2	6.0	6.0	6.0	7.2
80°	4.8	4.8	4.8	4.8	4.8
82.5°	3.6	3.6	3.6	3.6	3.6
85°	1.2	1.2	1.2	1.2	2.4
87.5°	0.0	0.0	0.0	1.2	1.2



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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)