

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: P1317511

Luminaire Tested: P3SQAS02R159835DE010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317511
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R159835DE010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

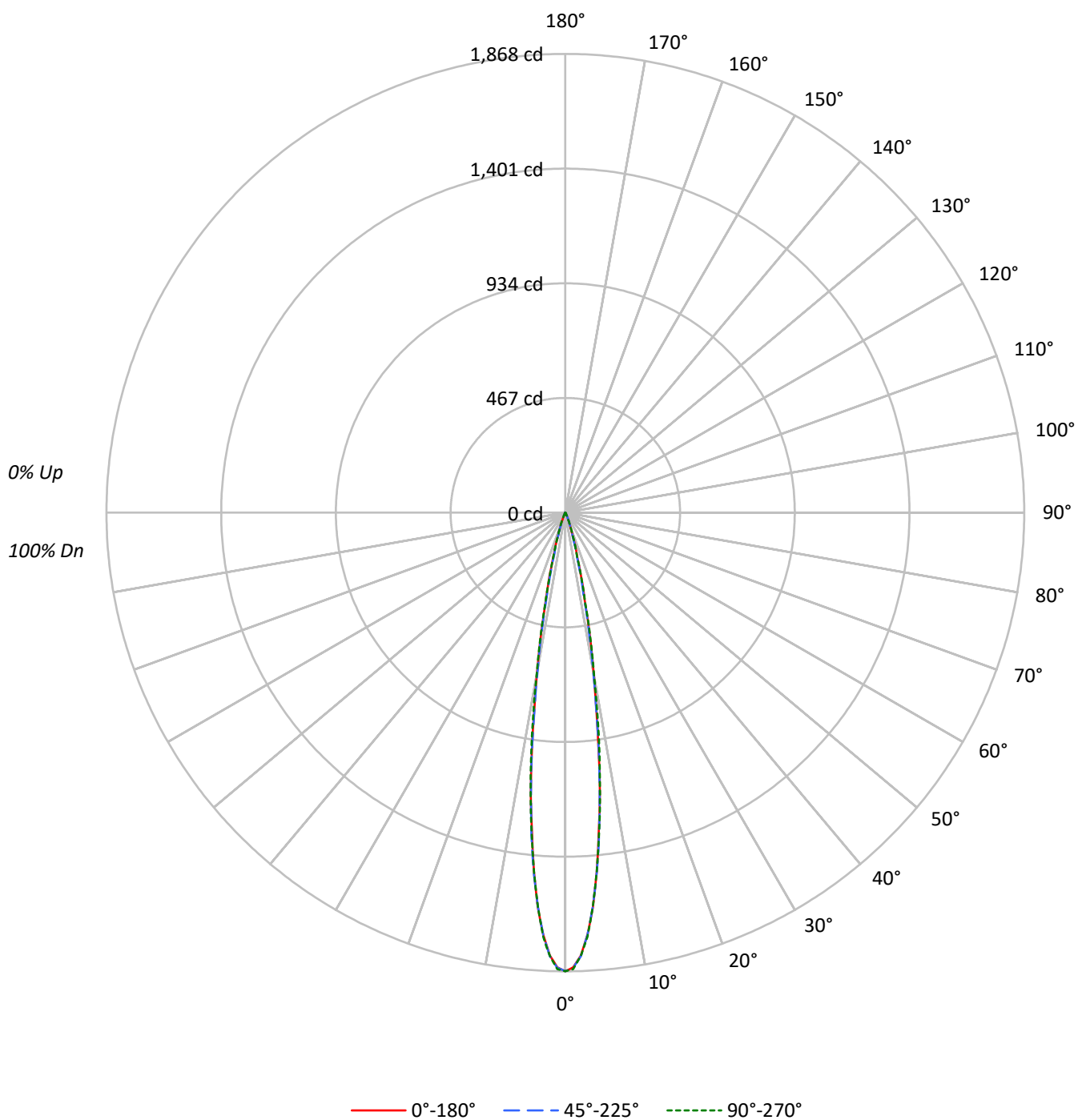
Lumens per Lamp: N/A
Luminaire Lumens: 187.0 lumens
Efficiency: N/A
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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

TEST NUMBER: P1317511

CATALOG NUMBER: P3SQAS02R159835DE010 E3SQPH1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1317511

CATALOG NUMBER: P3SQAS02R159835DE010 E3SQPH1MB

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	90
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	321643	321643	321643
5°	253702	254394	253477
10°	116067	113025	118533
15°	34518	30810	33805
20°	10245	9934	10758
25°	2907	3763	3382
30°	1034	1114	994
35°	399	357	357
40°	157	90	135
45°	97	49	97
50°	54	0	54
55°	60	0	60
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: 0°

Vertical Angle: 47.5°

Luminance: 102 cd/sqm

TEST NUMBER: P1317511

CATALOG NUMBER: P3SQAS02R159835DE010 E3SQPH1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.8	60.3
10°-20°	62.6	33.5
20°-30°	10.0	5.3
30°-40°	1.3	0.7
40°-50°	0.2	0.1
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°	185.5	99.2
0°-40°	186.8	99.9
0°-60°	187.0	100.0
0°-90°	187.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	187.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1868	1868	1868	1868	1868	
5°	1468	1480	1472	1465	1466	113
15°	194	191	173	184	190	64
25°	15	17	20	20	18	9
35°	2	2	2	2	2	1
45°	0	0	0	0	0	0
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	

TEST NUMBER: P1317511

CATALOG NUMBER: P3SQAS02R159835DE010 E3SQPH1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1867.6	1867.6	1867.6	1867.6	1867.6	1867.6	1867.6	1867.6	1867.6	1867.6	1867.6
1°	1851.5	1853.5	1856.2	1853.7	1851.5	1853.5	1850.7	1851.1	1848.9	1853.7	1859.1
2°	1804.3	1807.0	1805.5	1802.1	1807.3	1807.7	1801.9	1799.1	1798.7	1803.6	1805.5
3°	1720.9	1726.9	1727.1	1726.0	1724.3	1720.9	1715.0	1718.9	1713.5	1710.1	1729.2
4°	1610.0	1615.3	1621.4	1617.3	1605.0	1606.1	1610.0	1596.8	1597.5	1605.2	1605.7
5°	1467.5	1483.4	1484.2	1478.4	1468.7	1471.5	1468.7	1464.9	1466.2	1471.1	1466.2
6°	1299.8	1317.7	1304.5	1317.2	1314.4	1317.9	1318.9	1314.9	1317.7	1314.7	1313.8
7°	1154.8	1141.2	1143.1	1137.8	1143.4	1147.2	1149.4	1142.7	1148.1	1156.7	1159.1
8°	975.1	971.2	967.3	976.6	974.0	978.5	981.3	988.8	988.4	991.0	999.6
9°	804.0	809.8	813.3	805.1	812.2	798.4	803.2	823.3	818.0	823.3	838.6
10°	663.7	668.4	663.2	663.0	655.5	646.3	645.8	653.3	669.0	681.3	677.8
12.5°	366.2	370.3	370.9	370.5	357.0	341.9	344.7	350.7	360.4	364.5	371.2
15°	193.6	193.4	195.4	189.6	182.5	172.8	173.6	181.8	189.1	190.9	189.6
17.5°	99.3	99.7	101.2	99.7	92.2	93.1	95.2	96.1	100.4	102.1	101.2
20°	55.9	56.1	55.9	56.5	53.5	54.2	56.9	57.0	58.0	58.9	58.7
22.5°	32.0	32.2	33.3	32.9	32.2	33.1	33.7	34.6	35.0	34.6	35.7
25°	15.3	15.5	15.5	17.8	18.9	19.8	20.2	19.8	19.4	18.0	17.8
27.5°	8.8	8.8	9.2	9.4	9.7	11.4	11.2	9.4	7.9	7.9	8.0
30°	5.2	5.0	5.0	5.2	5.4	5.6	5.2	5.0	5.0	5.2	5.0
32.5°	3.2	3.2	3.2	3.0	3.0	2.8	2.8	3.2	3.2	3.2	3.2
35°	1.9	1.9	1.9	1.9	1.7	1.7	1.7	1.9	1.9	1.7	1.7
37.5°	1.1	1.1	1.1	0.9	0.9	0.7	0.9	0.9	0.9	0.9	0.9
40°	0.7	0.7	0.6	0.6	0.4	0.4	0.4	0.6	0.6	0.6	0.6
42.5°	0.6	0.6	0.4	0.4	0.2	0.2	0.2	0.4	0.4	0.4	0.4
45°	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
47.5°	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.2	0.2
50°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
52.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
55°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)