

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: P1313846

Luminaire Tested: P3SQAS02R159735DE010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313846
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: P3SQAS02R159735DE010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

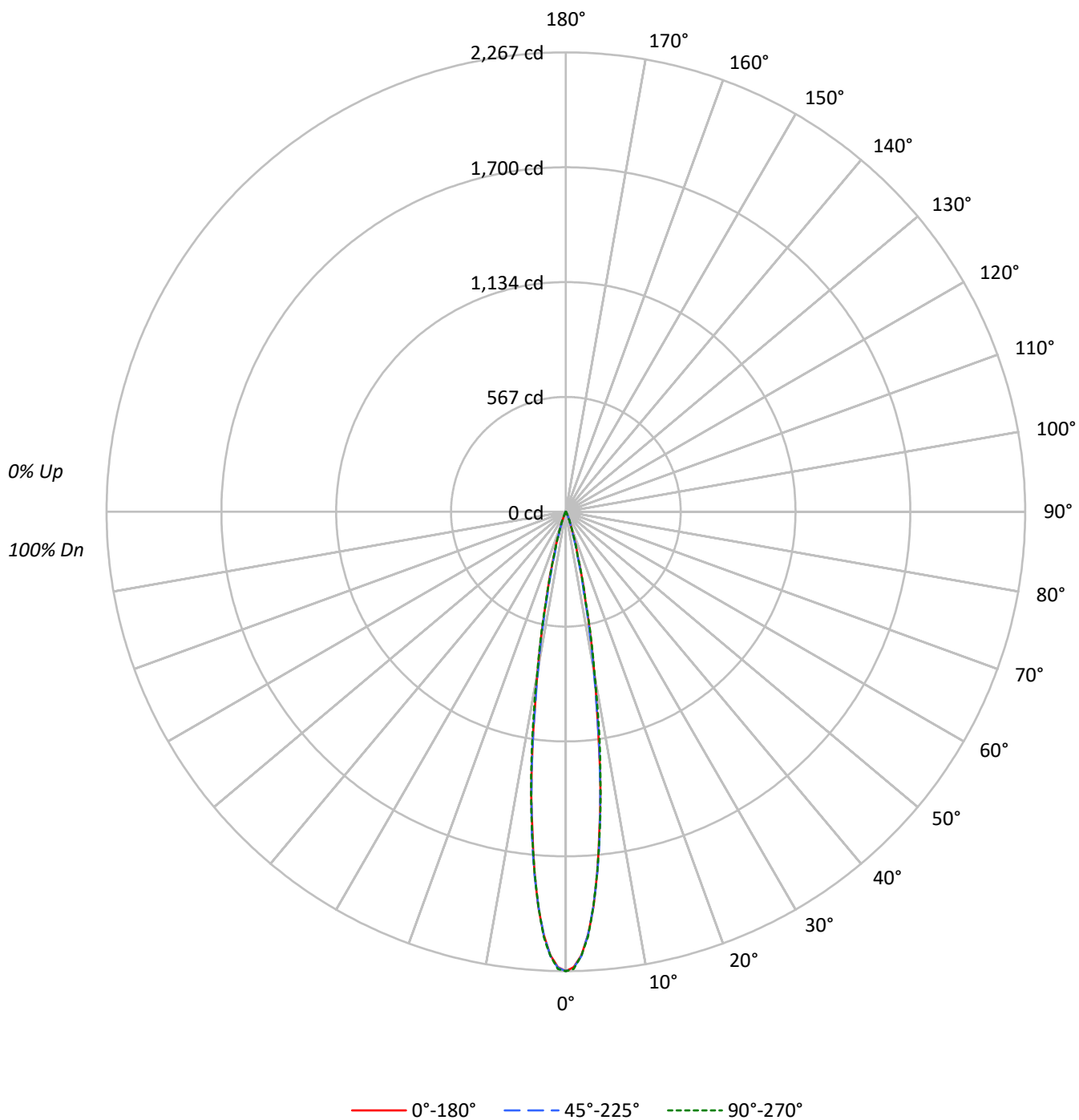
Lumens per Lamp: N/A
Luminaire Lumens: 227.0 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1313846

CATALOG NUMBER: P3SQAS02R159735DE010 E3SQPH1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1313846

CATALOG NUMBER: P3SQAS02R159735DE010 E3SQPH1MMS

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	104	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	91
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°	390429	390429	390429
5°	307969	308799	307710
10°	140900	137210	143873
15°	41900	37407	41044
20°	12444	12060	13068
25°	3534	4580	4105
30°	1273	1352	1213
35°	484	420	420
40°	202	112	157
45°	122	49	122
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: 127 cd/sqm

TEST NUMBER: P1313846

CATALOG NUMBER: P3SQAS02R159735DE010 E3SQPH1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.0	60.3
10°-20°	76.0	33.5
20°-30°	12.1	5.3
30°-40°	1.6	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°	225.1	99.2
0°-40°	226.7	99.9
0°-60°	227.0	100.0
0°-90°	227.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	227.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2267	2267	2267	2267	2267	
5°	1781	1796	1786	1779	1780	137
15°	235	232	210	223	230	78
25°	19	21	24	24	22	11
35°	2	2	2	2	2	2
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	0



TEST NUMBER: P1313846

CATALOG NUMBER: P3SQAS02R159735DE010 E3SQPH1MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2267.0	2267.0	2267.0	2267.0	2267.0	2267.0	2267.0	2267.0	2267.0	2267.0	2267.0
1°	2247.5	2250.0	2253.2	2250.2	2247.5	2250.0	2246.6	2247.1	2244.3	2250.2	2256.8
2°	2190.3	2193.5	2191.7	2187.6	2193.9	2194.4	2187.4	2184.0	2183.5	2189.4	2191.7
3°	2089.1	2096.3	2096.5	2095.2	2093.1	2089.1	2081.8	2086.6	2080.0	2075.9	2099.0
4°	1954.4	1960.8	1968.3	1963.3	1948.3	1949.7	1954.4	1938.3	1939.2	1948.5	1949.2
5°	1781.4	1800.7	1801.6	1794.6	1782.8	1786.2	1782.8	1778.3	1779.9	1785.8	1779.9
6°	1577.8	1599.6	1583.5	1598.9	1595.5	1599.8	1601.0	1596.2	1599.6	1596.0	1594.8
7°	1401.9	1385.3	1387.6	1381.2	1388.0	1392.6	1395.3	1387.1	1393.7	1404.1	1407.1
8°	1183.7	1178.9	1174.2	1185.5	1182.3	1187.8	1191.2	1200.3	1199.8	1203.0	1213.4
9°	976.0	983.0	987.3	977.3	986.0	969.2	975.1	999.4	993.0	999.4	1018.0
10°	805.7	811.4	805.0	804.8	795.7	784.6	783.9	793.0	812.1	827.0	822.7
12.5°	444.5	449.5	450.2	449.7	433.4	415.0	418.4	425.7	437.5	442.5	450.6
15°	235.0	234.7	237.2	230.2	221.6	209.8	210.7	220.7	229.5	231.8	230.2
17.5°	120.5	121.0	122.8	121.0	111.9	113.1	115.6	116.7	121.9	124.0	122.8
20°	67.9	68.1	67.9	68.6	64.9	65.8	69.0	69.2	70.4	71.5	71.3
22.5°	38.8	39.0	40.4	40.0	39.0	40.2	40.9	42.0	42.5	42.0	43.4
25°	18.6	18.8	18.8	21.6	22.9	24.1	24.5	24.1	23.6	21.8	21.6
27.5°	10.7	10.7	11.1	11.4	11.8	13.8	13.6	11.4	9.5	9.5	9.8
30°	6.4	6.1	6.1	6.4	6.6	6.8	6.4	6.1	6.1	6.4	6.1
32.5°	3.9	3.9	3.9	3.6	3.6	3.4	3.4	3.9	3.9	3.9	3.9
35°	2.3	2.3	2.3	2.3	2.0	2.0	2.0	2.3	2.3	2.0	2.0
37.5°	1.4	1.4	1.4	1.1	1.1	0.9	1.1	1.1	1.1	1.1	1.1
40°	0.9	0.9	0.7	0.7	0.5	0.5	0.5	0.7	0.7	0.7	0.7
42.5°	0.7	0.7	0.5	0.5	0.2	0.2	0.2	0.5	0.5	0.5	0.5
45°	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5
47.5°	0.5	0.5	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)