

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: P1307471

Luminaire Tested: P3SQAS02R159030DE010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307471
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: P3SQAS02R159030DE010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

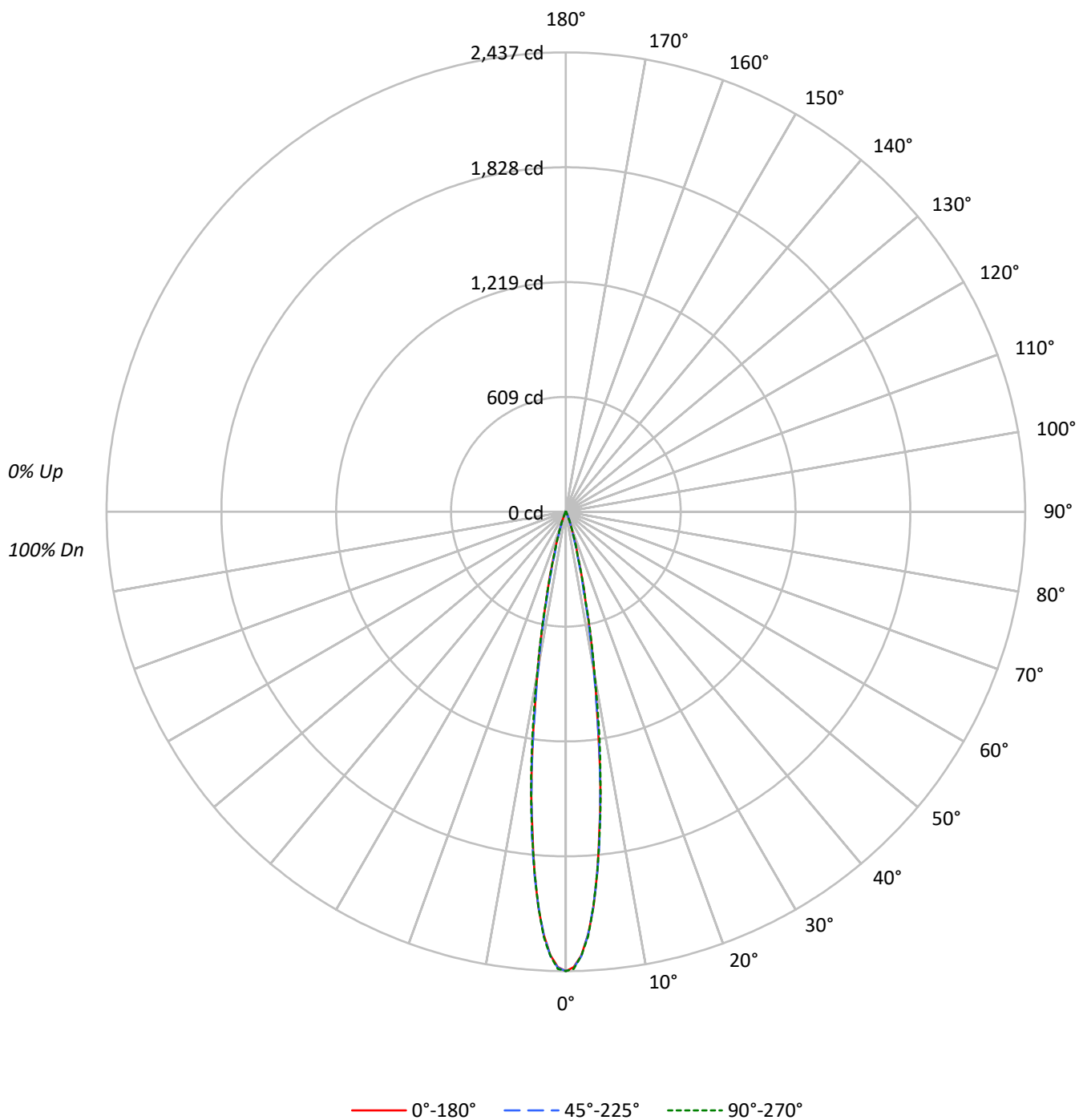
Lumens per Lamp: N/A
Luminaire Lumens: 244.0 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307471

CATALOG NUMBER: P3SQAS02R159030DE010 E3SQPH1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1307471

CATALOG NUMBER: P3SQAS02R159030DE010 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	100	100	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	98	98	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	97	97	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	95	95	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	93	93	93
5	106	101	98	95	105	100	97	95	99	96	94	97	95	94	96	94	93	92	92	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	89	89	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88	88	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	91	88	86	90	88	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	419672	419672	419672
5°	331049	331931	330738
10°	151446	147476	154646
15°	45038	40206	44111
20°	13379	12976	14039
25°	3801	4922	4409
30°	1352	1452	1313
35°	505	463	463
40°	225	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: P1307471

CATALOG NUMBER: P3SQAS02R159030DE010 E3SQPH1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.2	60.3
10°-20°	81.7	33.5
20°-30°	13.0	5.3
30°-40°	1.7	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°	242.0	99.2
0°-40°	243.7	99.9
0°-60°	244.0	100.0
0°-90°	244.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	244.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2437	2437	2437	2437	2437	
5°	1915	1931	1920	1912	1913	147
15°	253	249	226	240	247	83
25°	20	22	26	26	23	12
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	

TEST NUMBER: P1307471

CATALOG NUMBER: P3SQAS02R159030DE010 E3SQPH1MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2436.8	2436.8	2436.8	2436.8	2436.8	2436.8	2436.8	2436.8	2436.8	2436.8	2436.8
1°	2415.8	2418.5	2421.9	2418.8	2415.8	2418.5	2414.9	2415.3	2412.4	2418.8	2425.8
2°	2354.3	2357.8	2355.8	2351.4	2358.2	2358.7	2351.2	2347.5	2347.0	2353.4	2355.8
3°	2245.5	2253.3	2253.6	2252.1	2249.9	2245.5	2237.7	2242.8	2235.7	2231.4	2256.2
4°	2100.8	2107.6	2115.7	2110.3	2094.2	2095.7	2100.8	2083.5	2084.4	2094.5	2095.2
5°	1914.9	1935.6	1936.6	1929.0	1916.3	1920.0	1916.3	1911.4	1913.1	1919.5	1913.1
6°	1696.0	1719.4	1702.1	1718.7	1715.0	1719.6	1720.9	1715.7	1719.4	1715.5	1714.3
7°	1506.8	1489.0	1491.5	1484.6	1492.0	1496.8	1499.8	1491.0	1498.1	1509.3	1512.5
8°	1272.3	1267.2	1262.1	1274.3	1270.9	1276.7	1280.4	1290.2	1289.7	1293.1	1304.3
9°	1049.1	1056.6	1061.3	1050.5	1059.8	1041.7	1048.1	1074.2	1067.4	1074.2	1094.2
10°	866.0	872.1	865.3	865.1	855.3	843.3	842.6	852.4	872.9	889.0	884.3
12.5°	477.8	483.2	483.9	483.4	465.8	446.1	449.7	457.5	470.2	475.6	484.4
15°	252.6	252.3	255.0	247.4	238.2	225.5	226.5	237.2	246.7	249.1	247.4
17.5°	129.6	130.1	132.0	130.1	120.3	121.5	124.2	125.4	131.0	133.2	132.0
20°	73.0	73.2	73.0	73.7	69.8	70.8	74.2	74.4	75.6	76.9	76.6
22.5°	41.7	42.0	43.4	42.9	42.0	43.2	43.9	45.1	45.6	45.1	46.6
25°	20.0	20.3	20.3	23.2	24.6	25.9	26.4	25.9	25.4	23.4	23.2
27.5°	11.5	11.5	12.0	12.2	12.7	14.9	14.6	12.2	10.2	10.2	10.5
30°	6.8	6.6	6.6	6.8	7.1	7.3	6.8	6.6	6.6	6.8	6.6
32.5°	4.1	4.1	4.1	3.9	3.9	3.7	3.7	4.1	4.1	4.1	4.1
35°	2.4	2.4	2.4	2.4	2.2	2.2	2.2	2.4	2.4	2.2	2.2
37.5°	1.5	1.5	1.5	1.2	1.2	1.0	1.2	1.2	1.2	1.2	1.2
40°	1.0	1.0	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)