

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: P1316100

Luminaire Tested: P3SQAS09R309827DE010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316100
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R309827DE010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

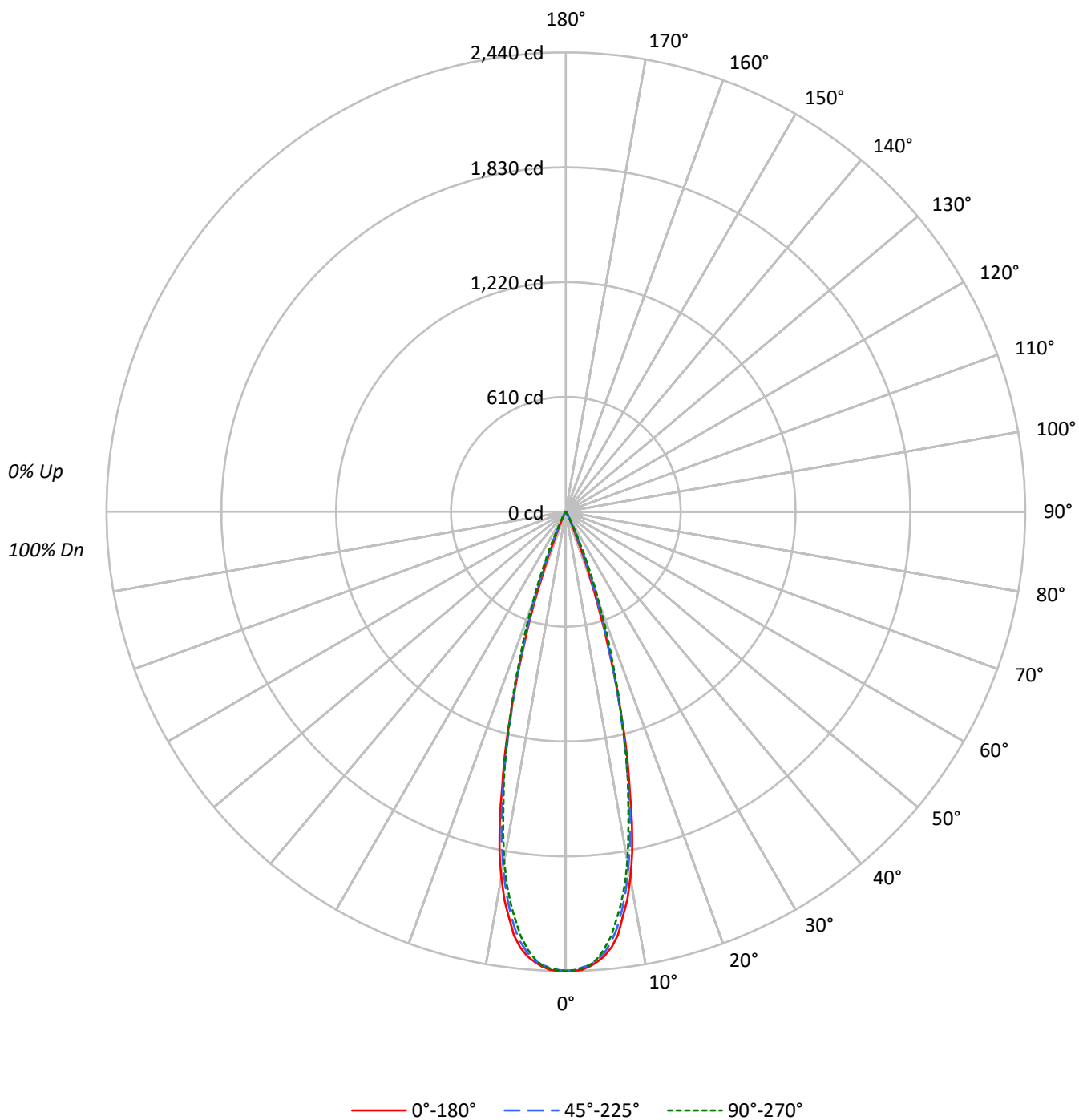
Lumens per Lamp: N/A
Luminaire Lumens: 591.0 lumens
Efficiency: N/A
Efficacy: 53.7 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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: P1316100

CATALOG NUMBER: P3SQAS09R309827DE010 E3SQPH1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1316100

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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	115	113	111	110	113	111	109	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	101	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	420068	420068	420068
5°	409243	406425	403088
10°	345369	334772	329333
15°	208127	202315	206041
20°	70598	81521	94039
25°	12979	20333	24019
30°	4455	4972	5568
35°	1282	1598	1724
40°	337	562	450
45°	122	122	122
50°	134	0	134
55°	0	0	0
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: 52.5°

Luminance: 141 cd/sqm

TEST NUMBER: P1316100

CATALOG NUMBER: P3SQAS09R309827DE010 E3SQPH1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.9	35.7
10°-20°	308.2	52.2
20°-30°	65.2	11.0
30°-40°	6.0	1.0
40°-50°	0.6	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°	584.4	98.9
0°-40°	590.4	99.9
0°-60°	591.0	100.0
0°-90°	591.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	591.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2439	2439	2439	2439	2439	
5°	2367	2363	2351	2344	2332	214
15°	1167	1163	1135	1161	1156	308
25°	68	76	107	126	126	50
35°	6	8	8	9	8	5
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2439.1	2439.1	2439.1	2439.1	2439.1
1°	2439.6	2437.0	2433.5	2438.6	2435.0
2°	2434.5	2428.4	2423.3	2428.4	2426.9
3°	2419.2	2414.1	2410.5	2413.1	2413.1
4°	2396.3	2390.7	2387.6	2388.1	2380.5
5°	2367.2	2362.7	2350.9	2343.8	2331.6
6°	2324.4	2313.2	2299.0	2287.2	2271.4
7°	2266.4	2249.0	2228.6	2208.3	2188.4
8°	2173.1	2165.0	2137.4	2123.7	2103.8
9°	2085.5	2065.6	2036.0	2013.6	2002.9
10°	1974.9	1945.4	1914.3	1896.4	1883.2
11°	1844.0	1813.9	1788.9	1762.9	1742.6
12°	1690.1	1664.6	1636.1	1618.8	1594.8
13°	1507.7	1504.1	1472.0	1466.4	1463.3
14°	1351.3	1337.0	1305.4	1314.1	1316.1
15°	1167.3	1163.2	1134.7	1161.2	1155.6
17.5°	731.2	732.7	750.5	792.3	805.6
20°	385.2	396.9	444.8	495.3	513.1
22.5°	155.9	181.9	230.8	265.0	287.9
25°	68.3	76.4	107.0	125.9	126.4
27.5°	38.7	39.2	51.5	53.5	54.5
30°	22.4	22.9	25.0	26.5	28.0
32.5°	12.2	13.2	13.8	15.8	15.8
35°	6.1	7.6	7.6	9.2	8.2
37.5°	3.6	4.1	4.6	4.6	4.1
40°	1.5	2.0	2.5	2.5	2.0
42.5°	0.5	1.0	1.0	1.0	1.5
45°	0.5	0.5	0.5	0.5	0.5
47.5°	0.5	0.5	0.0	0.5	0.5
50°	0.5	0.0	0.0	0.0	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1316100

CATALOG NUMBER: P3SQAS09R309827DE010 E3SQPH1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)