

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: P1312290

Luminaire Tested: P3SQAS09R359727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R359727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

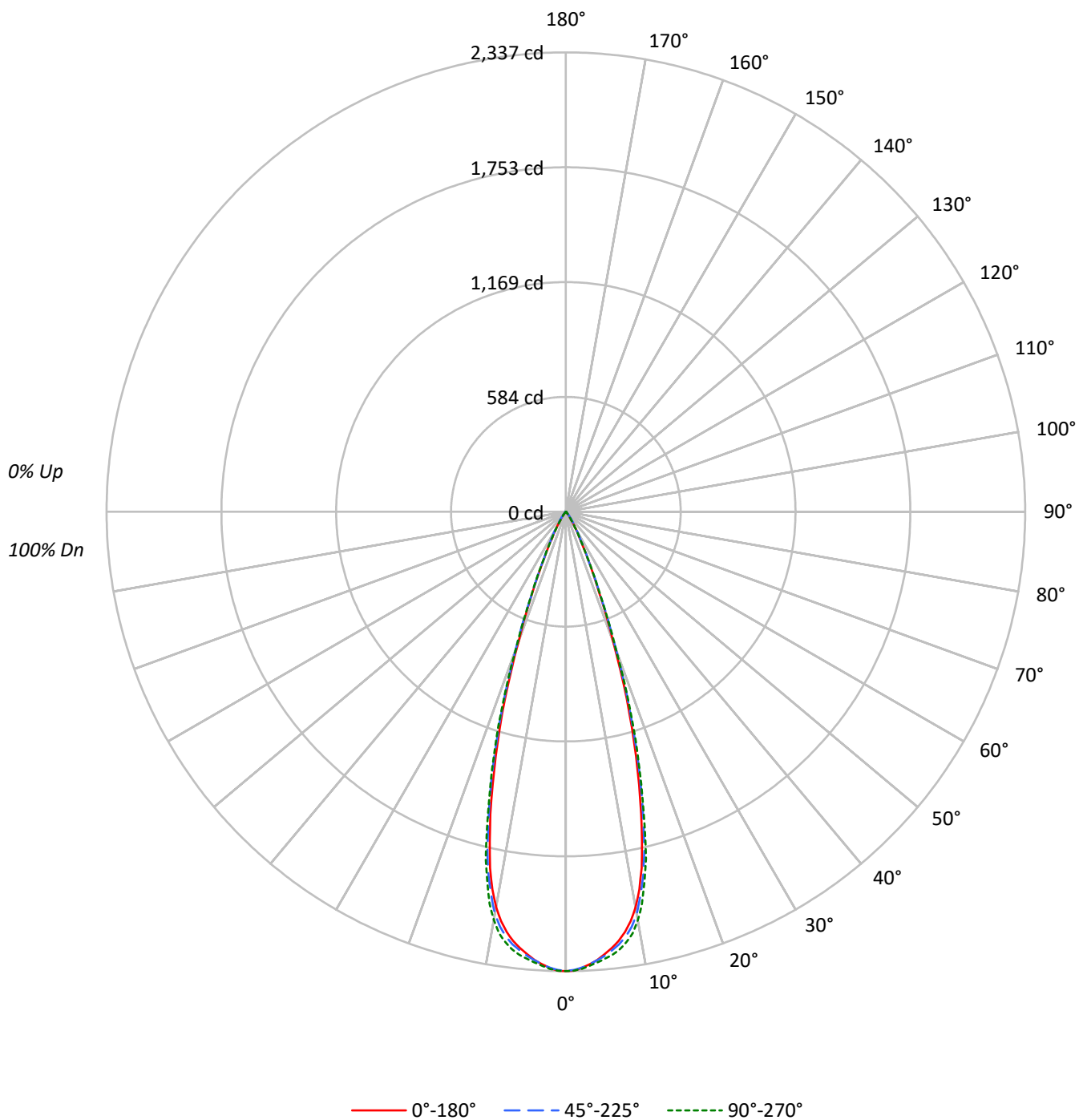
Lumens per Lamp: N/A
Luminaire Lumens: 784.9 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89
6	97	90	86	83	96	90	86	83	88	85	82		87	84	82		86
7	94	87	83	80	93	87	82	79	85	82	79		84	81	79		83
8	91	84	80	77	90	84	80	77	83	79	76		82	78	76		81
9	88	81	77	74	88	81	77	74	80	76	74		79	76	74		79
10	86	79	75	72	85	78	74	72	78	74	71		77	74	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	402484	402484	402484
5°	390572	391937	394582
10°	357261	363487	369048
15°	256446	265842	268570
20°	128989	136522	136852
25°	48894	50395	50642
30°	19847	22790	19489
35°	7211	10954	6959
40°	3035	4676	2900
45°	755	1948	755
50°	482	831	482
55°	540	540	540
60°	620	620	620
65°	489	489	489
70°	302	302	302
75°	399	399	399
80°	595	595	595
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1948 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.3	26.9
10°-20°	393.6	50.1
20°-30°	141.6	18.0
30°-40°	29.7	3.8
40°-50°	5.1	0.7
50°-60°	1.6	0.2
60°-70°	1.2	0.2
70°-80°	0.6	0.1
80°-90°	0.1	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°	746.5	95.1
0°-40°	776.2	98.9
0°-60°	783.0	99.8
0°-90°	784.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	784.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2337	2337	2337	2337	2337	
5°	2259	2263	2267	2282	2282	209
15°	1438	1463	1491	1507	1506	383
25°	257	261	265	268	266	137
35°	34	40	52	40	33	26
45°	3	5	8	5	3	4
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	2337.0	2337.0	2337.0	2337.0	2337.0
1°	2335.7	2335.7	2330.8	2336.3	2334.5
2°	2322.9	2324.1	2321.0	2327.8	2327.2
3°	2305.1	2308.2	2305.7	2315.5	2312.5
4°	2286.1	2288.6	2287.3	2299.6	2298.4
5°	2259.2	2263.4	2267.1	2282.4	2282.4
6°	2231.6	2235.9	2243.8	2260.4	2265.9
7°	2199.7	2205.3	2218.1	2240.2	2243.8
8°	2159.3	2165.4	2183.2	2207.1	2212.0
9°	2109.1	2118.3	2138.5	2167.3	2170.3
10°	2042.9	2050.3	2078.5	2102.3	2110.3
11°	1957.2	1963.3	1988.4	2027.0	2031.9
12°	1853.0	1860.4	1892.8	1918.0	1922.9
13°	1721.3	1735.4	1774.6	1799.1	1812.6
14°	1585.9	1604.9	1633.1	1668.0	1659.5
15°	1438.3	1463.4	1491.0	1506.9	1506.3
17.5°	1076.3	1091.0	1115.5	1124.7	1136.9
20°	703.8	722.8	744.9	753.5	746.7
22.5°	436.8	441.7	448.4	452.1	450.9
25°	257.3	261.0	265.2	267.7	266.5
27.5°	155.0	163.6	169.7	162.3	158.0
30°	99.8	103.5	114.6	104.7	98.0
32.5°	59.4	68.0	77.2	65.5	57.0
35°	34.3	40.4	52.1	39.8	33.1
37.5°	22.1	25.1	33.7	24.5	21.4
40°	13.5	17.2	20.8	15.9	12.9
42.5°	6.7	10.4	12.3	9.2	6.7
45°	3.1	4.9	8.0	4.9	3.1
47.5°	1.8	2.5	4.9	2.5	1.8
50°	1.8	1.8	3.1	1.8	1.8
52.5°	1.8	1.8	1.8	1.8	1.8
55°	1.8	1.8	1.8	1.8	1.8
57.5°	1.8	1.8	1.8	1.8	1.8
60°	1.8	1.8	1.8	1.8	1.8
62.5°	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	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



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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)