

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: P1306767

Luminaire Tested: P3SQAS09R459027DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306767
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R459027DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

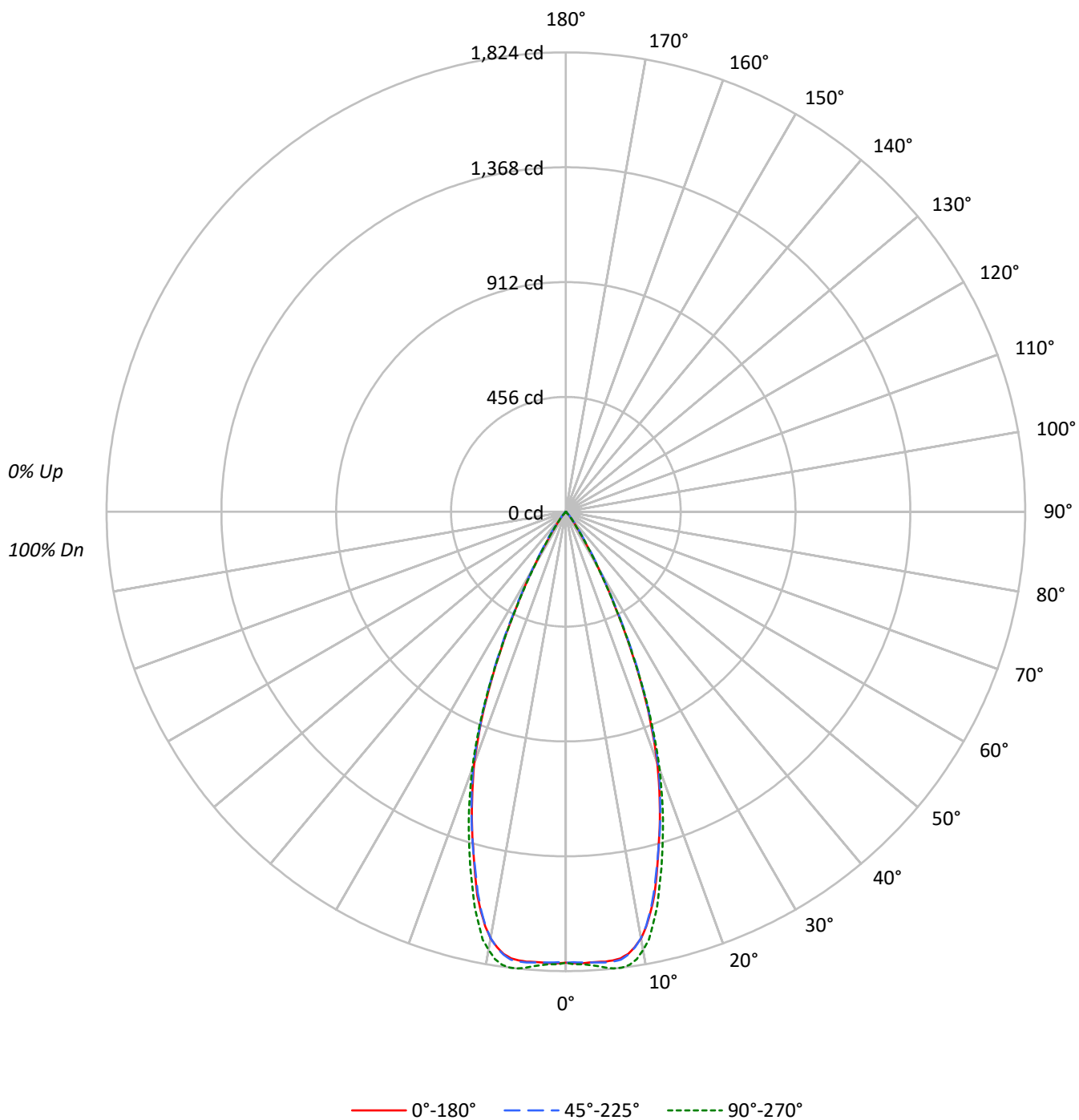
Lumens per Lamp: N/A
Luminaire Lumens: 927.1 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1306767

CATALOG NUMBER: P3SQAS09R459027DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1306767

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92	90	88	86
4	101	95	91	87	100	94	90	87	92	88	86		90	87	85		88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81		86	83	81		85	82	80	79
6	94	86	82	78	93	86	81	78	84	80	77		83	79	77		82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79	75	73	72
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76	72	70	69
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73	69	67	66
10	81	73	68	65	80	72	68	65	72	67	65		71	67	64		70	67	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	308468	308468	308468
5°	309992	310597	314141
10°	300793	300565	308925
15°	252096	251971	261224
20°	194877	196875	199642
25°	119470	121940	119736
30°	51228	53535	49597
35°	16084	19406	15663
40°	5531	7059	5373
45°	999	2996	828
50°	563	1099	563
55°	631	631	631
60°	482	482	482
65°	571	571	571
70°	352	352	352
75°	466	466	466
80°	694	694	694
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2996 cd/sqm

TEST NUMBER: P1306767

CATALOG NUMBER: P3SQAS09R459027DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.2	18.4
10°-20°	393.3	42.4
20°-30°	288.0	31.1
30°-40°	63.6	6.9
40°-50°	7.8	0.8
50°-60°	1.9	0.2
60°-70°	1.3	0.1
70°-80°	0.8	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°	851.6	91.9
0°-40°	915.2	98.7
0°-60°	924.9	99.8
0°-90°	927.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	927.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1791	1791	1791	1791	1791	
5°	1793	1792	1797	1810	1817	169
15°	1414	1406	1413	1447	1465	390
25°	629	628	642	637	630	285
35°	76	81	92	81	74	60
45°	4	7	12	7	3	6
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	

TEST NUMBER: P1306767

CATALOG NUMBER: P3SQAS09R459027DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1791.1	1791.1	1791.1	1791.1	1791.1
1°	1792.5	1789.7	1789.0	1793.8	1797.2
2°	1793.8	1790.4	1791.1	1795.9	1797.9
3°	1792.5	1789.0	1792.5	1799.3	1802.0
4°	1791.8	1790.4	1793.8	1803.4	1808.2
5°	1793.1	1791.8	1796.6	1809.5	1817.1
6°	1791.1	1789.0	1795.9	1812.3	1823.2
7°	1786.3	1784.3	1791.8	1811.6	1823.9
8°	1773.3	1769.2	1776.7	1801.3	1816.4
9°	1750.1	1744.6	1752.1	1780.8	1798.6
10°	1720.0	1713.9	1718.7	1746.7	1766.5
11°	1677.0	1668.8	1674.2	1704.3	1730.3
12°	1622.3	1610.7	1617.5	1651.7	1670.1
13°	1562.8	1551.9	1553.3	1584.0	1610.0
14°	1489.0	1474.7	1480.8	1513.0	1533.5
15°	1413.9	1406.4	1413.2	1447.4	1465.1
17.5°	1241.7	1241.0	1247.1	1272.4	1282.0
20°	1063.3	1065.4	1074.2	1087.9	1089.3
22.5°	852.2	852.8	862.4	872.0	869.9
25°	628.7	628.0	641.7	636.9	630.1
27.5°	416.9	419.6	431.9	423.0	416.2
30°	257.6	263.1	269.2	258.3	249.4
32.5°	139.4	148.3	157.2	147.6	138.7
35°	76.5	80.6	92.3	80.6	74.5
37.5°	44.4	46.5	54.0	46.5	42.4
40°	24.6	28.0	31.4	28.0	23.9
42.5°	10.3	15.7	19.1	15.7	10.3
45°	4.1	6.8	12.3	6.8	3.4
47.5°	2.1	2.7	7.5	2.7	2.1
50°	2.1	2.1	4.1	2.1	2.1
52.5°	2.1	2.1	2.1	2.1	2.1
55°	2.1	2.1	2.1	2.1	2.1
57.5°	2.1	2.1	2.1	2.1	2.1
60°	1.4	1.4	1.4	2.1	1.4
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	0.7	0.7	0.7	1.4	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7
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: P1306767

CATALOG NUMBER: P3SQAS09R459027DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)