

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: P1316287

Luminaire Tested: P3SQAS13R459827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316287
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: P3SQAS13R459827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

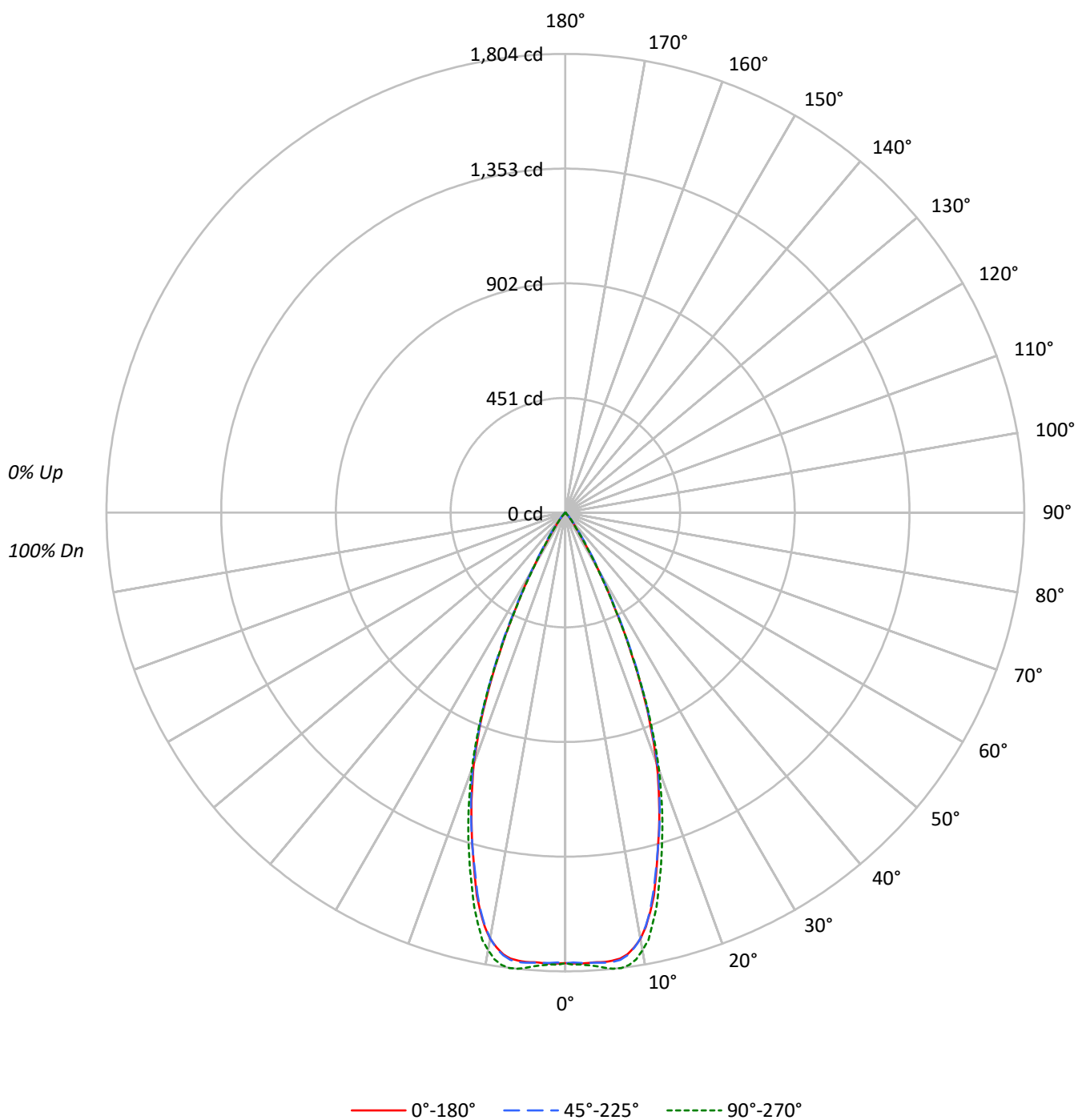
Lumens per Lamp: N/A
Luminaire Lumens: 917.1 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92
4	101	95	91	87	100	94	90	87	92	88	86		90	87	85		88
5	98	91	86	82	96	90	85	82	88	84	81		86	83	81		85
6	94	86	82	78	93	86	81	78	84	80	77		83	79	77		82
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73
10	81	73	68	65	80	72	68	65	72	67	65		71	67	64		70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	305144	305144	305144
5°	306655	307243	310753
10°	297557	297313	305584
15°	249368	249243	258407
20°	192769	194767	197479
25°	118178	120629	118444
30°	50671	52958	49060
35°	15916	19195	15495
40°	5463	6992	5328
45°	999	2971	828
50°	536	1099	536
55°	601	601	601
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: 2971 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.4	18.4
10°-20°	389.1	42.4
20°-30°	284.9	31.1
30°-40°	62.9	6.9
40°-50°	7.7	0.8
50°-60°	1.8	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°	842.4	91.9
0°-40°	905.3	98.7
0°-60°	914.9	99.8
0°-90°	917.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	917.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1772	1772	1772	1772	1772	
5°	1774	1772	1777	1790	1798	168
15°	1399	1391	1398	1432	1449	386
25°	622	621	635	630	623	282
35°	76	80	91	80	74	60
45°	4	7	12	7	3	5
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°	1771.8	1771.8	1771.8	1771.8	1771.8
1°	1773.1	1770.4	1769.7	1774.5	1777.9
2°	1774.5	1771.1	1771.8	1776.5	1778.5
3°	1773.1	1769.7	1773.1	1779.9	1782.6
4°	1772.4	1771.1	1774.5	1783.9	1788.7
5°	1773.8	1772.4	1777.2	1790.0	1797.5
6°	1771.8	1769.7	1776.5	1792.7	1803.5
7°	1767.0	1765.0	1772.4	1792.0	1804.2
8°	1754.2	1750.1	1757.6	1781.9	1796.8
9°	1731.2	1725.8	1733.2	1761.6	1779.2
10°	1701.5	1695.4	1700.1	1727.8	1747.4
11°	1658.9	1650.8	1656.2	1685.9	1711.6
12°	1604.8	1593.3	1600.1	1633.9	1652.1
13°	1546.0	1535.2	1536.5	1566.9	1592.6
14°	1473.0	1458.8	1464.9	1496.6	1516.9
15°	1398.6	1391.2	1397.9	1431.7	1449.3
17.5°	1228.3	1227.6	1233.7	1258.7	1268.2
20°	1051.8	1053.9	1062.7	1076.2	1077.5
22.5°	843.0	843.6	853.1	862.6	860.5
25°	621.9	621.2	634.8	630.0	623.3
27.5°	412.4	415.1	427.2	418.4	411.7
30°	254.8	260.3	266.3	255.5	246.7
32.5°	137.9	146.7	155.5	146.0	137.2
35°	75.7	79.8	91.3	79.8	73.7
37.5°	43.9	46.0	53.4	46.0	41.9
40°	24.3	27.7	31.1	27.7	23.7
42.5°	10.1	15.5	18.9	15.5	10.1
45°	4.1	6.8	12.2	6.8	3.4
47.5°	2.0	2.7	7.4	2.7	2.0
50°	2.0	2.0	4.1	2.0	2.0
52.5°	2.0	2.0	2.0	2.0	2.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0	2.0
60°	1.4	1.4	1.4	2.0	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



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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)