

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: P1308062

Luminaire Tested: P3SQAS13R509030DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R509030DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

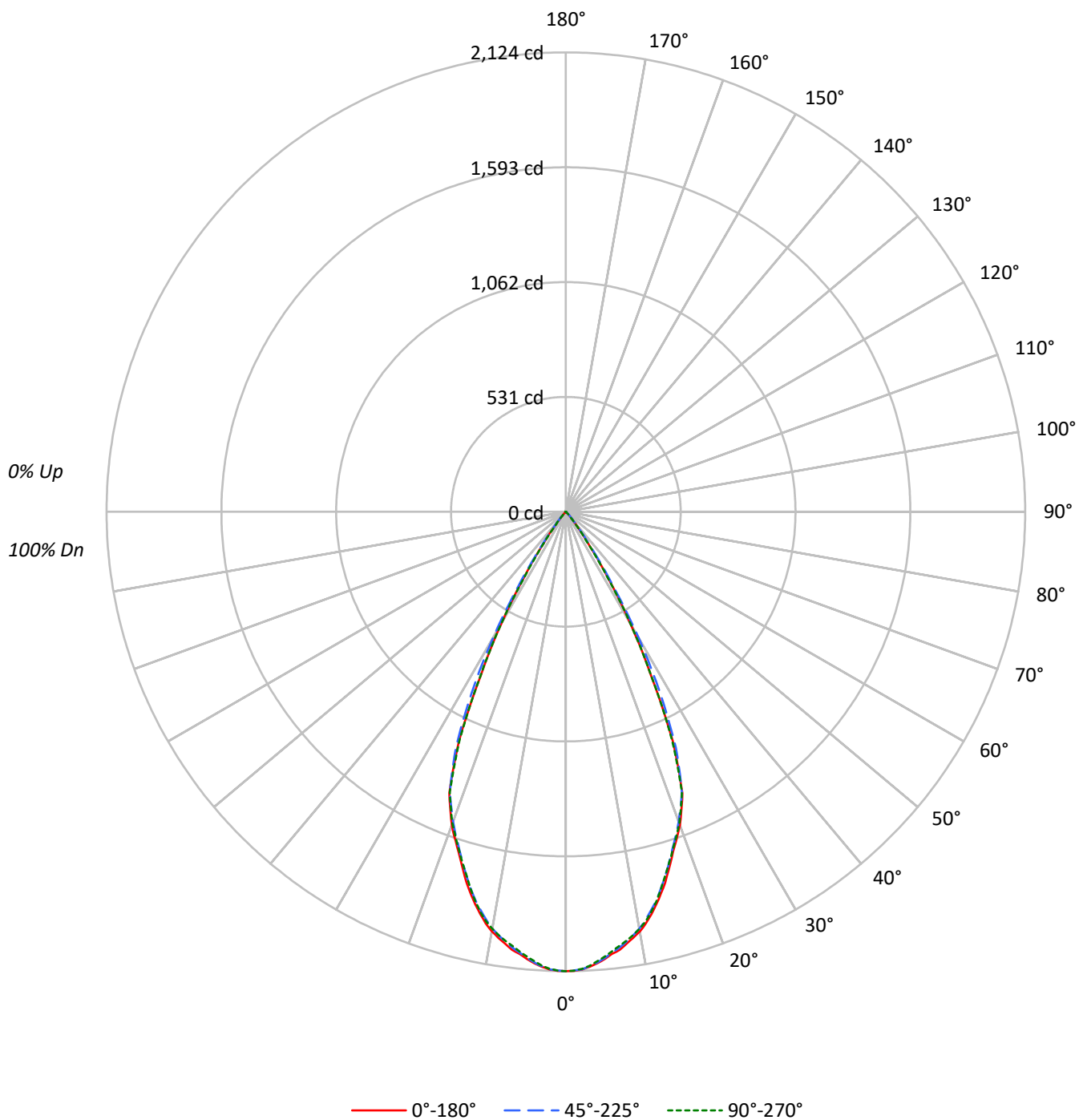
Lumens per Lamp: N/A
Luminaire Lumens: 1369.0 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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

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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			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	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	90
3	105	99	94	91	103	98	93	90	95	92	89		93	90	87		90	88	86	85
4	100	93	89	85	98	92	88	84	90	86	83		88	85	82		87	84	81	80
5	96	88	83	79	94	88	83	79	86	82	78		84	81	78		83	80	77	76
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70		77	73	70		76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67		73	69	66		72	69	66	65
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69	66	63	62
10	78	69	64	60	77	69	64	60	68	63	60		67	63	60		66	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	365853	365853	365853
5°	358692	358018	356998
10°	344652	342274	342431
15°	316390	313448	313091
20°	282647	279623	281053
25°	222160	228621	220298
30°	118842	133160	119240
35°	38811	45350	36562
40°	9622	12005	9173
45°	1193	4262	1193
50°	777	1313	777
55°	871	871	871
60°	654	654	654
65°	774	774	774
70°	504	504	504
75°	665	665	665
80°	992	992	992
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4262 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.2	14.2
10°-20°	491.3	35.9
20°-30°	516.7	37.7
30°-40°	148.9	10.9
40°-50°	12.1	0.9
50°-60°	2.6	0.2
60°-70°	1.8	0.1
70°-80°	1.1	0.1
80°-90°	0.3	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°	1202.2	87.8
0°-40°	1351.1	98.7
0°-60°	1365.8	99.8
0°-90°	1369.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1369.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2124	2124	2124	2124	2124	
5°	2075	2074	2071	2073	2065	195
15°	1774	1763	1758	1758	1756	494
25°	1169	1198	1203	1190	1159	507
35°	185	191	216	185	174	143
45°	5	10	18	10	5	9
55°	3	3	3	3	3	2
65°	2	2	2	2	2	2
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°	2124.3	2124.3	2124.3	2124.3	2124.3
1°	2123.3	2125.3	2121.4	2128.2	2122.4
2°	2118.5	2119.5	2117.5	2122.4	2114.6
3°	2106.8	2108.8	2104.9	2108.8	2102.0
4°	2093.2	2093.2	2089.3	2092.2	2083.5
5°	2074.8	2073.8	2070.9	2072.8	2065.0
6°	2055.3	2054.3	2049.5	2049.5	2043.7
7°	2040.7	2033.9	2030.0	2029.1	2023.2
8°	2017.4	2015.5	2007.7	2007.7	2003.8
9°	1994.1	1992.2	1983.4	1985.3	1982.4
10°	1970.8	1964.0	1957.2	1958.1	1958.1
11°	1939.7	1933.8	1924.1	1928.0	1930.0
12°	1902.7	1895.9	1887.2	1895.0	1894.0
13°	1861.9	1856.1	1849.3	1855.1	1853.2
14°	1819.2	1810.4	1804.6	1808.5	1806.5
15°	1774.5	1762.8	1758.0	1758.0	1756.0
17.5°	1649.1	1642.3	1637.5	1634.5	1641.3
20°	1542.2	1536.4	1525.7	1528.6	1533.5
22.5°	1408.1	1407.1	1401.3	1396.4	1402.3
25°	1169.1	1198.2	1203.1	1189.5	1159.3
27.5°	849.3	917.4	941.7	909.6	854.2
30°	597.6	629.7	669.6	606.4	599.6
32.5°	360.5	369.3	406.2	362.5	352.8
35°	184.6	191.4	215.7	184.6	173.9
37.5°	86.5	90.4	100.1	86.5	80.7
40°	42.8	47.6	53.4	44.7	40.8
42.5°	18.5	24.3	31.1	23.3	16.5
45°	4.9	9.7	17.5	9.7	4.9
47.5°	2.9	3.9	9.7	3.9	2.9
50°	2.9	2.9	4.9	2.9	2.9
52.5°	2.9	2.9	2.9	2.9	2.9
55°	2.9	2.9	2.9	2.9	2.9
57.5°	2.9	2.9	2.9	2.9	2.9
60°	1.9	2.9	1.9	2.9	1.9
62.5°	1.9	1.9	1.9	1.9	1.9
65°	1.9	1.9	1.9	1.9	1.9
67.5°	1.9	1.9	1.9	1.9	1.9
70°	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0
82.5°	0.0	1.0	0.0	1.0	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)