

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: P1312307

Luminaire Tested: P3SQAS09R409727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312307
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R409727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

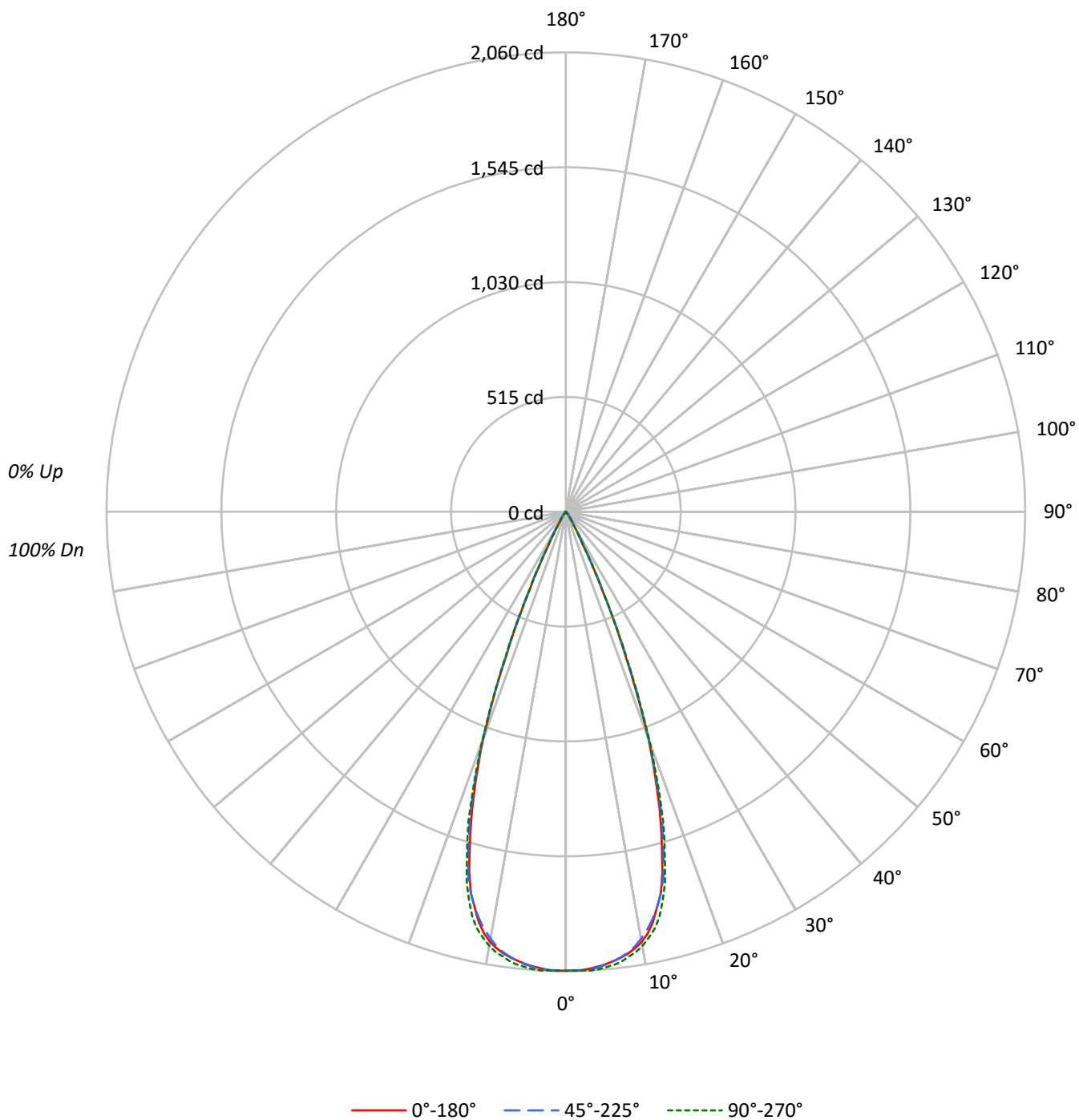
Lumens per Lamp: N/A
Luminaire Lumens: 870.9 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		91
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88
6	96	89	85	82	95	89	84	81	87	84	81		86	83	80		85
7	93	86	81	78	92	85	81	78	84	80	78		83	80	77		82
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		80
9	87	80	75	72	86	79	75	72	79	75	72		78	74	72		77
10	84	77	73	70	84	77	73	70	76	72	70		75	72	69		75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	354434	354434	354434
5°	352088	352607	354509
10°	342554	339983	345649
15°	298471	301520	306209
20°	198799	199807	201731
25°	72286	74490	72628
30°	15352	20583	15352
35°	5403	9146	5151
40°	1933	2900	1933
45°	438	1193	438
50°	322	482	322
55°	360	360	360
60°	413	413	413
65°	245	489	245
70°	302	302	302
75°	399	399	399
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1193 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.3	22.1
10°-20°	448.1	51.5
20°-30°	201.7	23.2
30°-40°	23.0	2.6
40°-50°	3.3	0.4
50°-60°	1.1	0.1
60°-70°	0.9	0.1
70°-80°	0.6	0.1
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°	842.1	96.7
0°-40°	865.1	99.3
0°-60°	869.5	99.8
0°-90°	870.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	870.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2058	2058	2058	2058	2058	
5°	2037	2034	2040	2049	2051	192
15°	1674	1678	1691	1705	1717	445
25°	380	383	392	392	382	197
35°	26	29	44	28	24	19
45°	2	3	5	3	2	2
55°	1	1	1	1	1	1
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°	2058.0	2058.0	2058.0	2058.0	2058.0
1°	2059.2	2057.4	2056.8	2060.4	2057.4
2°	2057.4	2056.2	2056.8	2060.4	2058.0
3°	2051.9	2052.5	2054.3	2061.1	2060.4
4°	2045.1	2044.5	2048.2	2056.8	2056.8
5°	2036.6	2034.1	2039.6	2048.8	2050.6
6°	2026.8	2023.7	2028.0	2039.6	2043.9
7°	2015.7	2009.6	2013.3	2027.4	2032.9
8°	2001.0	1993.1	1997.4	2011.4	2015.7
9°	1982.7	1970.4	1974.1	1991.2	1999.8
10°	1958.8	1943.5	1944.1	1963.1	1976.5
11°	1925.1	1907.9	1908.5	1932.4	1946.5
12°	1880.4	1865.1	1868.1	1890.2	1912.8
13°	1819.7	1815.4	1819.1	1843.0	1863.8
14°	1760.9	1756.6	1763.4	1785.4	1795.2
15°	1674.0	1678.2	1691.1	1704.6	1717.4
17.5°	1398.3	1414.9	1430.2	1439.4	1450.4
20°	1084.7	1065.7	1090.2	1079.2	1100.7
22.5°	700.1	714.2	720.3	714.2	716.6
25°	380.4	382.8	392.0	392.0	382.2
27.5°	161.7	174.6	186.2	181.9	161.7
30°	77.2	88.8	103.5	89.4	77.2
32.5°	43.5	51.4	66.8	50.2	42.3
35°	25.7	28.8	43.5	27.6	24.5
37.5°	15.3	15.9	23.9	16.5	14.7
40°	8.6	10.4	12.9	10.4	8.6
42.5°	4.3	6.1	8.0	6.1	4.3
45°	1.8	3.1	4.9	3.1	1.8
47.5°	1.8	1.8	3.1	1.8	1.8
50°	1.2	1.2	1.8	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	1.2	1.2	1.2	1.2	1.2
65°	0.6	1.2	1.2	1.2	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
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°	0.0	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



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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)