

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: P1314251

Luminaire Tested: P3SQAS09R409735DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314251
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: P3SQAS09R409735DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

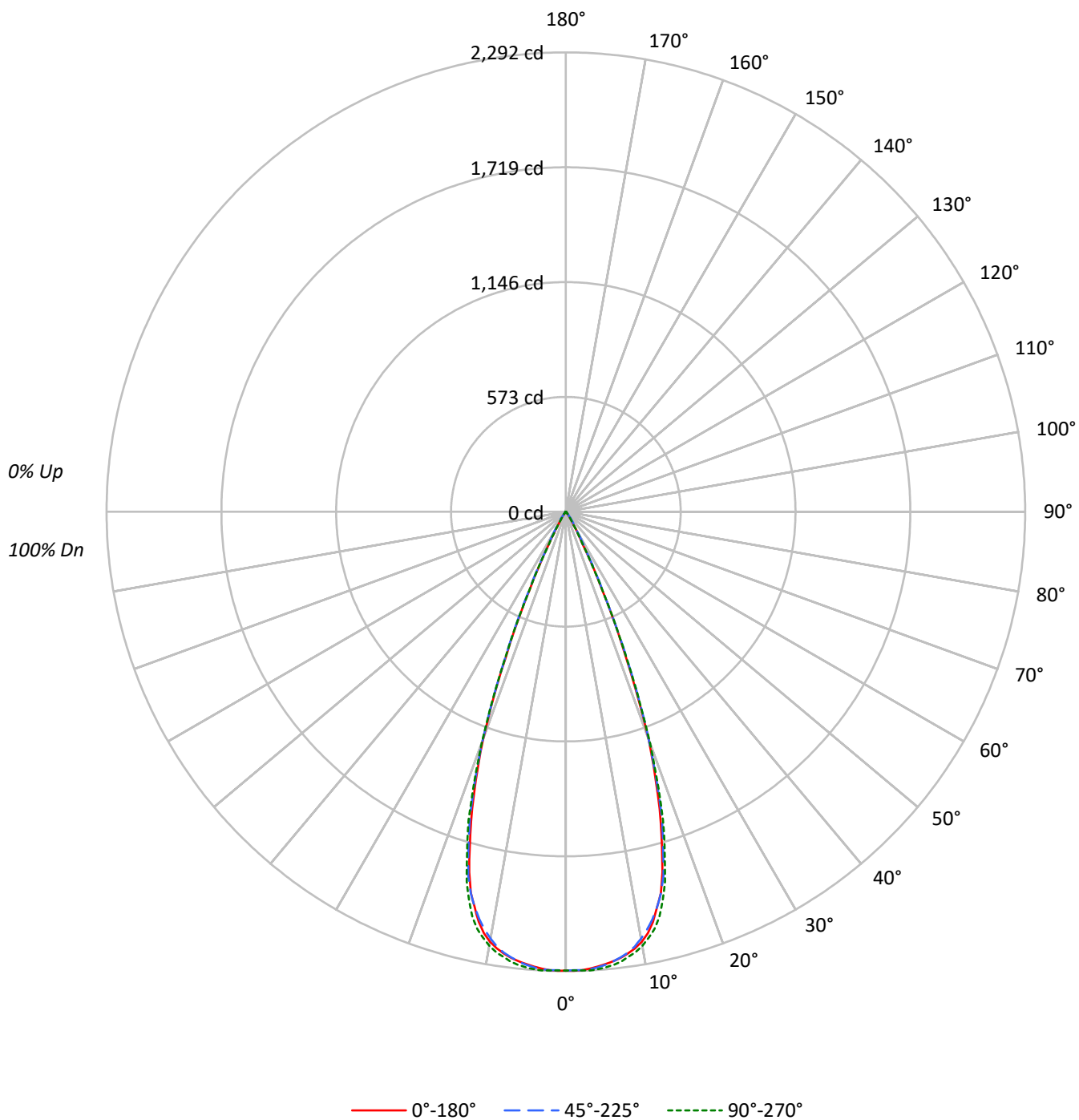
Lumens per Lamp: N/A
Luminaire Lumens: 969.1 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	69		75	72	69		75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	394304	394304	394304
5°	391695	392283	394410
10°	381097	378229	384542
15°	332044	335450	340674
20°	221177	222295	224421
25°	80419	82871	80799
30°	17083	22909	17083
35°	6013	10176	5740
40°	2136	3215	2136
45°	487	1340	487
50°	375	536	375
55°	420	420	420
60°	482	482	482
65°	285	571	285
70°	352	352	352
75°	466	466	466
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1340 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.9	22.1
10°-20°	498.6	51.4
20°-30°	224.4	23.2
30°-40°	25.5	2.6
40°-50°	3.7	0.4
50°-60°	1.3	0.1
60°-70°	1.1	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°	936.9	96.7
0°-40°	962.4	99.3
0°-60°	967.4	99.8
0°-90°	969.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	969.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2290	2290	2290	2290	2290	
5°	2266	2263	2269	2279	2281	214
15°	1862	1867	1881	1896	1911	495
25°	423	426	436	436	425	219
35°	29	32	48	31	27	21
45°	2	3	6	3	2	3
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°	2289.5	2289.5	2289.5	2289.5	2289.5
1°	2290.9	2288.9	2288.2	2292.3	2288.9
2°	2288.9	2287.5	2288.2	2292.3	2289.5
3°	2282.7	2283.4	2285.5	2293.0	2292.3
4°	2275.2	2274.6	2278.6	2288.2	2288.2
5°	2265.7	2263.0	2269.1	2279.3	2281.4
6°	2254.8	2251.4	2256.2	2269.1	2273.9
7°	2242.5	2235.7	2239.8	2255.5	2261.6
8°	2226.2	2217.3	2222.1	2237.8	2242.5
9°	2205.7	2192.1	2196.2	2215.3	2224.8
10°	2179.2	2162.1	2162.8	2183.9	2198.9
11°	2141.7	2122.6	2123.3	2149.9	2165.5
12°	2091.9	2074.9	2078.3	2102.8	2128.1
13°	2024.5	2019.7	2023.8	2050.4	2073.5
14°	1959.1	1954.3	1961.8	1986.3	1997.2
15°	1862.3	1867.1	1881.4	1896.4	1910.7
17.5°	1555.7	1574.1	1591.1	1601.3	1613.6
20°	1206.8	1185.7	1212.9	1200.6	1224.5
22.5°	778.9	794.5	801.3	794.5	797.3
25°	423.2	425.9	436.1	436.1	425.2
27.5°	179.9	194.2	207.1	202.4	179.9
30°	85.9	98.8	115.2	99.5	85.9
32.5°	48.4	57.2	74.3	55.9	47.0
35°	28.6	32.0	48.4	30.7	27.3
37.5°	17.0	17.7	26.6	18.4	16.4
40°	9.5	11.6	14.3	11.6	9.5
42.5°	4.8	6.8	8.9	6.8	4.8
45°	2.0	3.4	5.5	3.4	2.0
47.5°	2.0	2.0	3.4	2.0	2.0
50°	1.4	1.4	2.0	1.4	1.4
52.5°	1.4	1.4	1.4	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	1.4
60°	1.4	1.4	1.4	1.4	1.4
62.5°	1.4	1.4	1.4	1.4	1.4
65°	0.7	1.4	1.4	1.4	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	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°	0.0	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)