

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: P1315223

Luminaire Tested: P3SQAS09R409740DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315223
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: P3SQAS09R409740DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

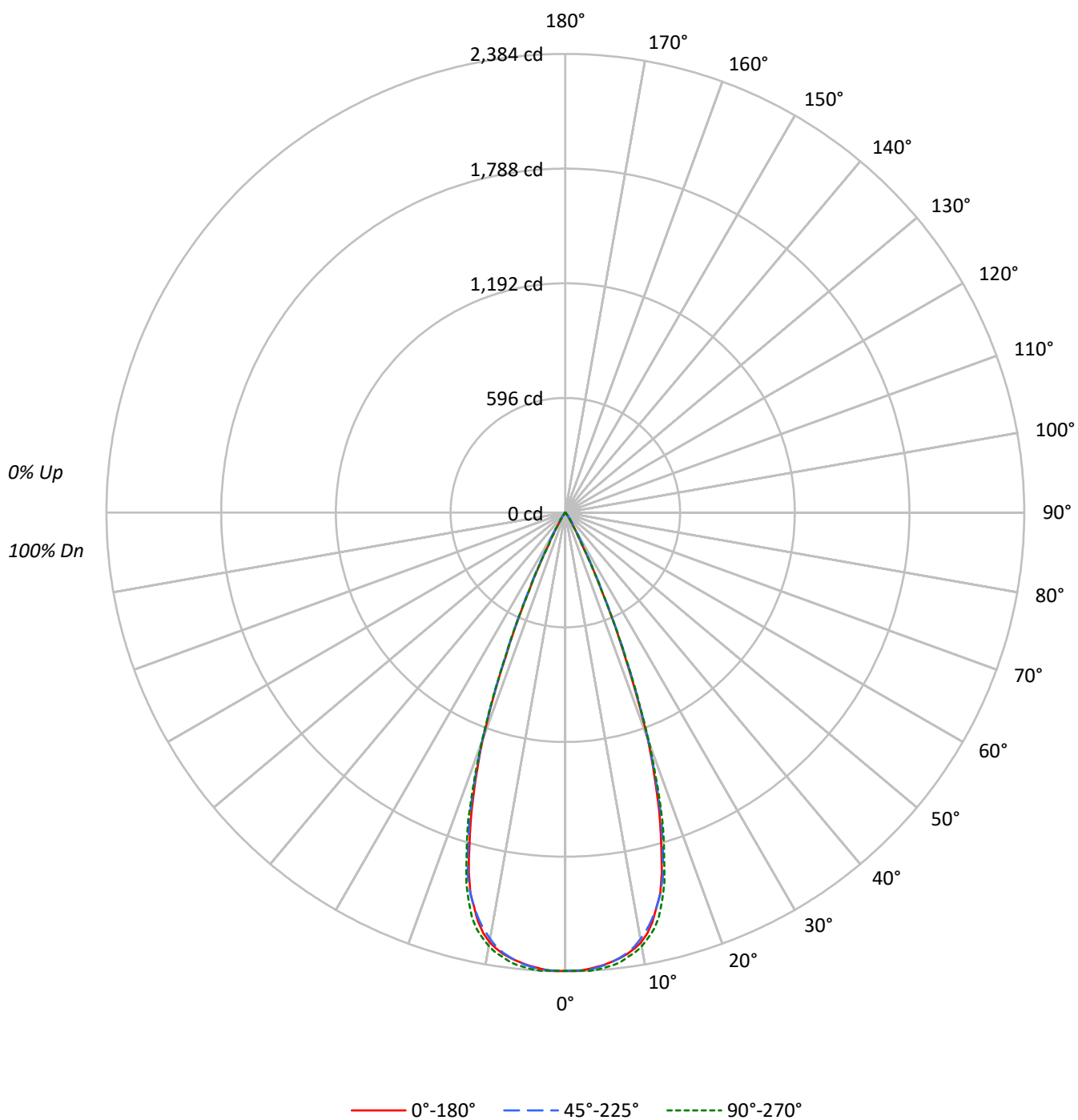
Lumens per Lamp: N/A
Luminaire Lumens: 1007.9 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	410183	410183	410183
5°	407462	408067	410280
10°	396434	393461	400019
15°	345417	348947	354385
20°	230084	231239	233456
25°	83650	86215	84049
30°	17759	23824	17759
35°	6265	10575	5971
40°	2226	3350	2226
45°	511	1388	511
50°	375	563	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: 1388 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.5	22.1
10°-20°	518.6	51.5
20°-30°	233.4	23.2
30°-40°	26.6	2.6
40°-50°	3.8	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°	974.6	96.7
0°-40°	1001.2	99.3
0°-60°	1006.2	99.8
0°-90°	1007.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1007.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2382	2382	2382	2382	2382	
5°	2357	2354	2360	2371	2373	222
15°	1937	1942	1957	1973	1988	514
25°	440	443	454	454	442	228
35°	30	33	50	32	28	22
45°	2	4	6	4	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°	2381.7	2381.7	2381.7	2381.7	2381.7
1°	2383.1	2381.0	2380.3	2384.5	2381.0
2°	2381.0	2379.6	2380.3	2384.5	2381.7
3°	2374.6	2375.3	2377.4	2385.2	2384.5
4°	2366.8	2366.1	2370.4	2380.3	2380.3
5°	2356.9	2354.1	2360.4	2371.1	2373.2
6°	2345.5	2342.0	2347.0	2360.4	2365.4
7°	2332.8	2325.7	2330.0	2346.3	2352.6
8°	2315.8	2306.6	2311.5	2327.8	2332.8
9°	2294.5	2280.3	2284.6	2304.4	2314.4
10°	2266.9	2249.1	2249.9	2271.8	2287.4
11°	2227.9	2208.0	2208.7	2236.4	2252.7
12°	2176.1	2158.4	2162.0	2187.5	2213.7
13°	2106.0	2101.0	2105.2	2132.9	2157.0
14°	2037.9	2032.9	2040.7	2066.3	2077.6
15°	1937.3	1942.2	1957.1	1972.7	1987.6
17.5°	1618.3	1637.4	1655.1	1665.8	1678.5
20°	1255.4	1233.4	1261.7	1249.0	1273.8
22.5°	810.2	826.5	833.6	826.5	829.3
25°	440.2	443.0	453.7	453.7	442.3
27.5°	187.1	202.0	215.5	210.5	187.1
30°	89.3	102.8	119.8	103.5	89.3
32.5°	50.3	59.5	77.3	58.1	48.9
35°	29.8	33.3	50.3	31.9	28.4
37.5°	17.7	18.4	27.6	19.1	17.0
40°	9.9	12.1	14.9	12.1	9.9
42.5°	5.0	7.1	9.2	7.1	5.0
45°	2.1	3.5	5.7	3.5	2.1
47.5°	2.1	2.1	3.5	2.1	2.1
50°	1.4	1.4	2.1	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)