

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: P1309658

Luminaire Tested: P3SQAS24R709035D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309658
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R709035D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

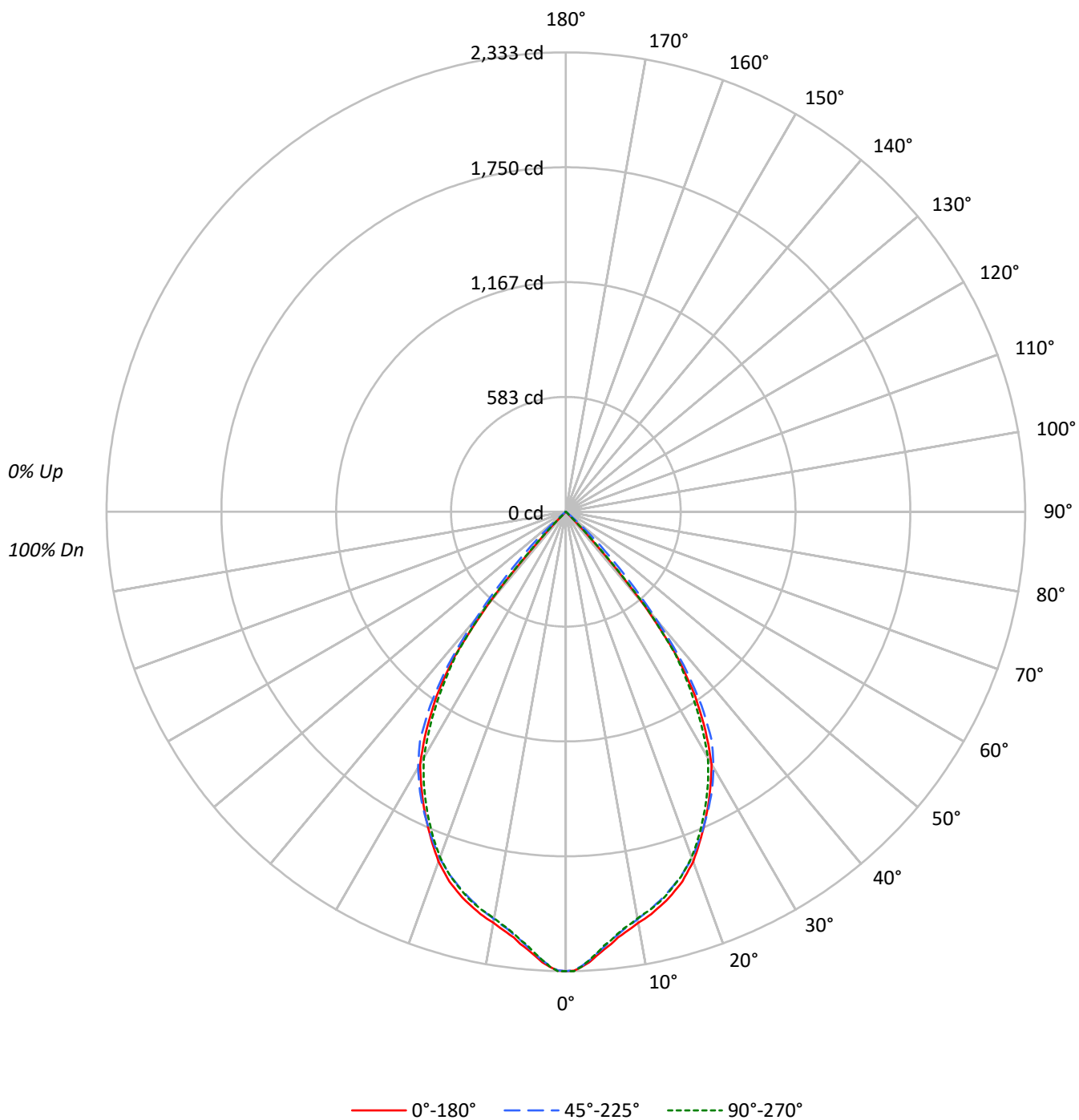
Lumens per Lamp: N/A
Luminaire Lumens: 2414.0 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	401847	401847	401847
5°	385748	383622	382567
10°	370570	367352	366635
15°	361802	356703	357434
20°	346464	343092	342340
25°	321582	322361	317326
30°	294321	298378	287023
35°	240773	252378	231333
40°	138602	161556	142267
45°	1997	67125	6966
50°	0	7100	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 67125 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.2	8.6
10°-20°	564.1	23.4
20°-30°	774.9	32.1
30°-40°	702.7	29.1
40°-50°	163.3	6.8
50°-60°	0.8	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	1547.2	64.1
0°-40°	2249.9	93.2
0°-60°	2414.0	100.0
0°-90°	2414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2414.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2333	2333	2333	2333	2333	
5°	2231	2225	2219	2215	2213	209
15°	2029	2015	2001	2001	2005	569
25°	1692	1700	1696	1680	1670	776
35°	1145	1162	1200	1149	1100	688
45°	8	92	276	118	29	99
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	2333.3	2333.3	2333.3	2333.3	2333.3
1°	2331.3	2327.2	2329.3	2331.3	2333.3
2°	2312.9	2308.8	2308.8	2310.9	2310.9
3°	2290.5	2282.3	2282.3	2280.3	2280.3
4°	2259.8	2253.7	2249.6	2247.6	2247.6
5°	2231.3	2225.1	2219.0	2214.9	2212.9
6°	2206.8	2196.6	2188.4	2186.4	2188.4
7°	2178.2	2172.1	2163.9	2157.8	2159.8
8°	2157.8	2149.6	2139.4	2135.3	2135.3
9°	2139.4	2131.2	2121.0	2112.9	2116.9
10°	2119.0	2110.8	2100.6	2094.5	2096.5
11°	2104.7	2094.5	2082.2	2078.2	2080.2
12°	2088.4	2076.1	2063.9	2061.8	2065.9
13°	2068.0	2055.7	2043.5	2043.5	2047.5
14°	2049.6	2035.3	2023.0	2023.0	2029.2
15°	2029.2	2014.9	2000.6	2000.6	2004.7
17.5°	1967.9	1955.7	1941.4	1941.4	1943.4
20°	1890.4	1884.2	1872.0	1865.9	1867.9
22.5°	1792.4	1792.4	1786.2	1776.0	1771.9
25°	1692.3	1700.5	1696.4	1680.1	1669.9
27.5°	1588.2	1602.5	1604.6	1580.1	1561.7
30°	1480.0	1492.3	1500.4	1471.9	1443.3
32.5°	1320.8	1357.5	1378.0	1339.2	1280.0
35°	1145.2	1161.6	1200.4	1149.3	1100.3
37.5°	930.9	951.3	984.0	943.1	914.6
40°	616.5	698.2	718.6	698.2	632.8
42.5°	222.5	392.0	471.6	400.1	261.3
45°	8.2	91.9	275.6	118.4	28.6
47.5°	0.0	2.0	124.5	4.1	0.0
50°	0.0	0.0	26.5	0.0	0.0
52.5°	0.0	0.0	2.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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)