

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: P1307894

Luminaire Tested: P3SQAS09R509030DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307894
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: P3SQAS09R509030DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

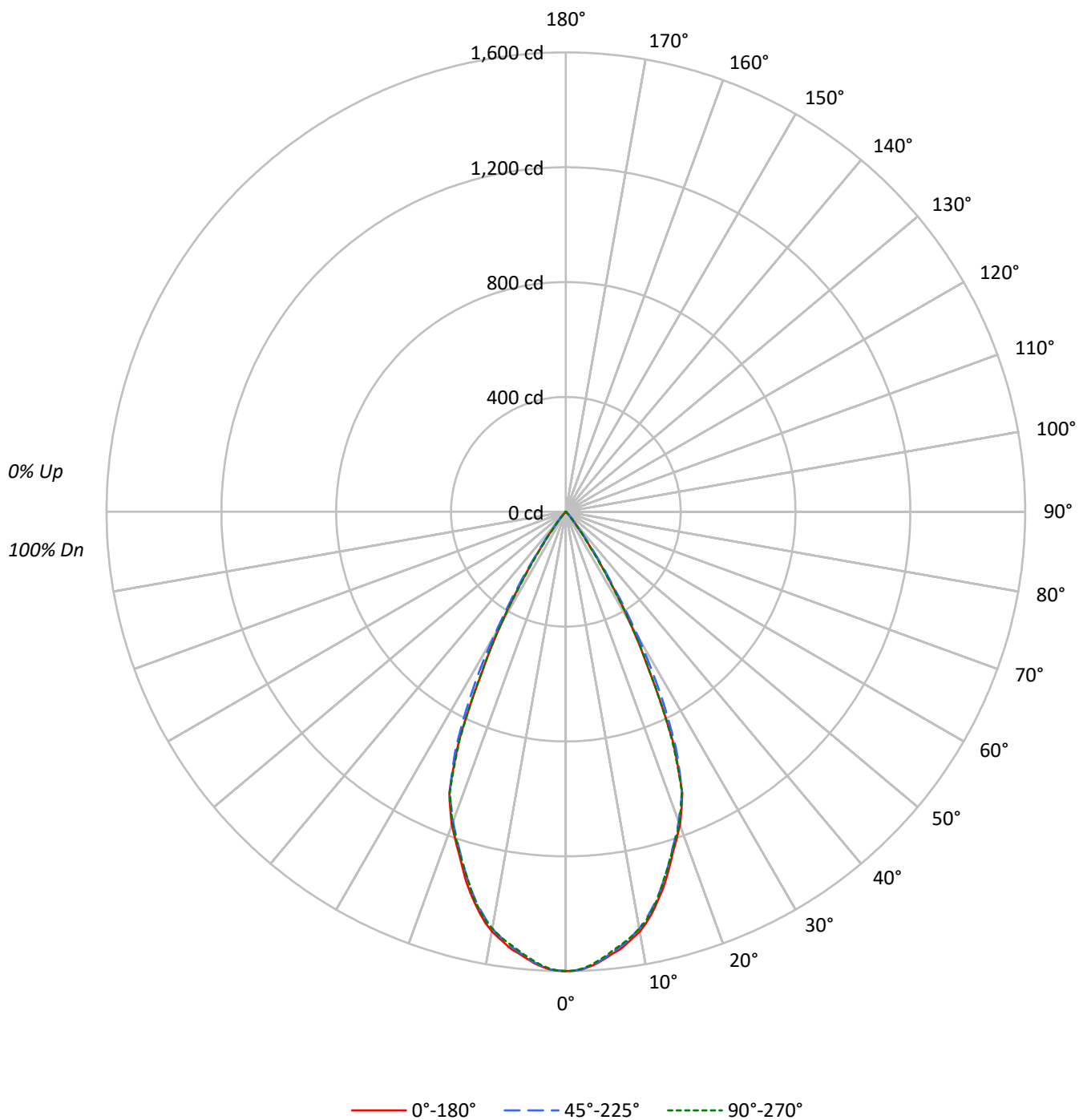
Lumens per Lamp: N/A
Luminaire Lumens: 1031.0 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	275522	275522	275522
5°	270126	269624	268864
10°	259556	257772	257895
15°	238277	236049	235799
20°	212856	210584	211665
25°	167299	172164	165912
30°	89509	100268	89808
35°	29245	34165	27542
40°	7239	9060	6902
45°	901	3215	901
50°	589	991	589
55°	661	661	661
60°	517	517	517
65°	611	611	611
70°	352	352	352
75°	466	466	466
80°	694	694	694
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3215 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.3	14.2
10°-20°	370.0	35.9
20°-30°	389.1	37.7
30°-40°	112.1	10.9
40°-50°	9.1	0.9
50°-60°	2.0	0.2
60°-70°	1.4	0.1
70°-80°	0.7	0.1
80°-90°	0.2	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°	905.4	87.8
0°-40°	1017.6	98.7
0°-60°	1028.6	99.8
0°-90°	1031.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1031.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1600	1600	1600	1600	1600	
5°	1562	1562	1560	1561	1555	147
15°	1336	1328	1324	1324	1322	372
25°	880	902	906	896	873	382
35°	139	144	162	139	131	107
45°	4	7	13	7	4	7
55°	2	2	2	2	2	2
65°	2	2	2	2	2	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°	1599.8	1599.8	1599.8	1599.8	1599.8
1°	1599.1	1600.6	1597.6	1602.8	1598.4
2°	1595.4	1596.2	1594.7	1598.4	1592.5
3°	1586.7	1588.1	1585.2	1588.1	1583.0
4°	1576.4	1576.4	1573.5	1575.7	1569.1
5°	1562.5	1561.8	1559.6	1561.0	1555.2
6°	1547.9	1547.1	1543.5	1543.5	1539.1
7°	1536.9	1531.8	1528.8	1528.1	1523.7
8°	1519.3	1517.9	1512.0	1512.0	1509.1
9°	1501.8	1500.3	1493.7	1495.2	1493.0
10°	1484.2	1479.1	1474.0	1474.7	1474.7
11°	1460.8	1456.4	1449.1	1452.0	1453.5
12°	1433.0	1427.8	1421.3	1427.1	1426.4
13°	1402.2	1397.8	1392.7	1397.1	1395.6
14°	1370.0	1363.4	1359.0	1362.0	1360.5
15°	1336.4	1327.6	1323.9	1323.9	1322.5
17.5°	1242.0	1236.8	1233.2	1231.0	1236.1
20°	1161.4	1157.1	1149.0	1151.2	1154.9
22.5°	1060.5	1059.7	1055.3	1051.7	1056.1
25°	880.4	902.4	906.0	895.8	873.1
27.5°	639.6	690.9	709.2	685.0	643.3
30°	450.1	474.2	504.2	456.7	451.6
32.5°	271.5	278.1	305.9	273.0	265.7
35°	139.1	144.2	162.5	139.1	131.0
37.5°	65.1	68.1	75.4	65.1	60.7
40°	32.2	35.9	40.3	33.7	30.7
42.5°	13.9	18.3	23.4	17.6	12.4
45°	3.7	7.3	13.2	7.3	3.7
47.5°	2.2	2.9	7.3	2.9	2.2
50°	2.2	2.2	3.7	2.2	2.2
52.5°	2.2	2.2	2.2	2.2	2.2
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.2	2.2	2.2	2.2	2.2
60°	1.5	2.2	1.5	2.2	1.5
62.5°	1.5	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
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°	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.7	0.0	0.7	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)