

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: P1307848

Luminaire Tested: P3SQAS09R309030DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R309030DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

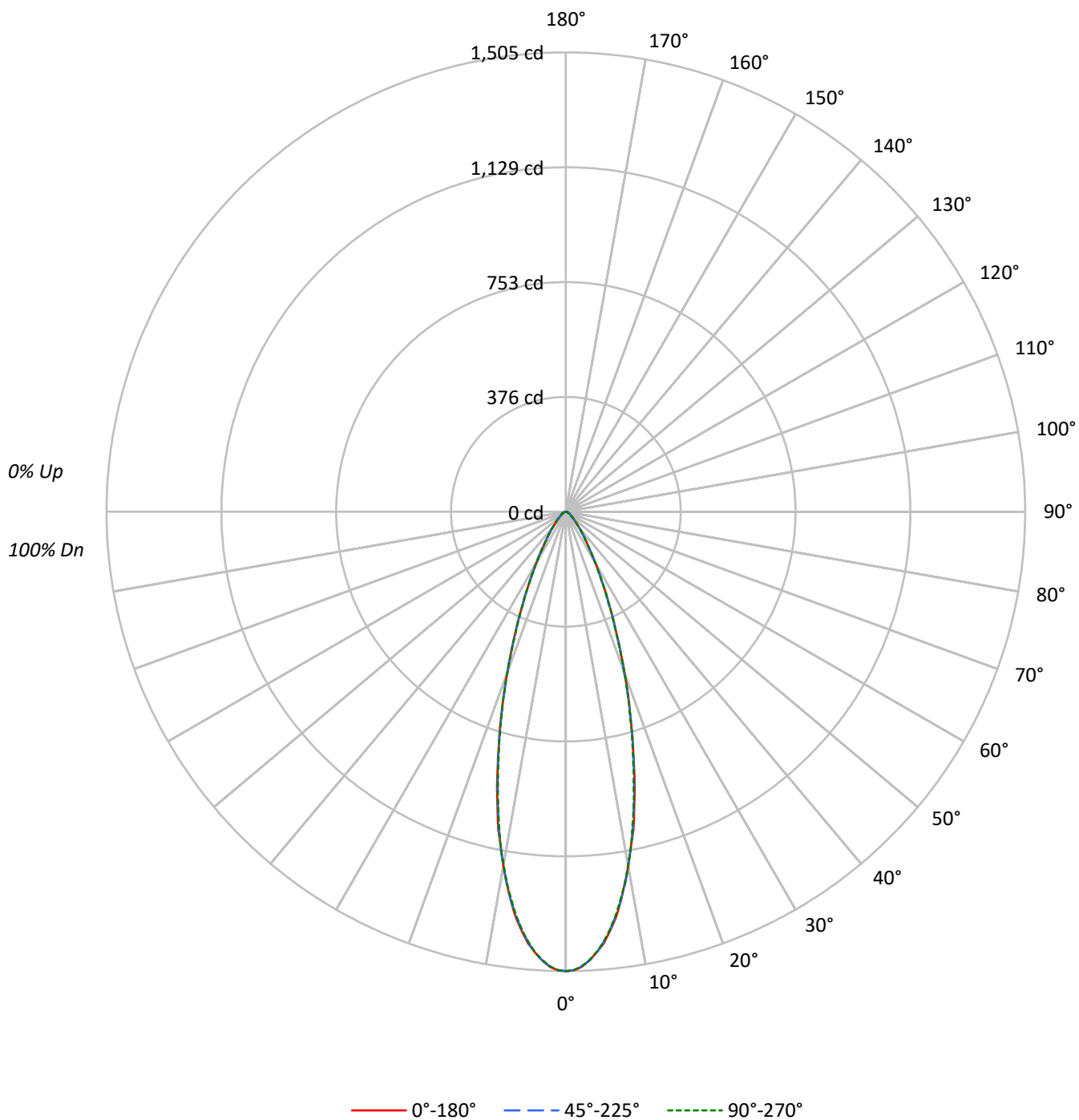
Lumens per Lamp: N/A
Luminaire Lumens: 661.0 lumens
Efficiency: N/A
Efficacy: 59.5 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	259212	259212	259212
5°	245404	244782	244643
10°	206165	206165	205396
15°	153604	153211	152302
20°	102799	102268	102396
25°	63374	63241	63507
30°	38103	38103	38242
35°	23379	23379	23526
40°	14793	14793	15130
45°	10156	10327	10327
50°	7448	7448	7448
55°	5705	5915	5915
60°	4788	4788	5029
65°	4157	4157	4157
70°	3676	4028	4028
75°	3394	3394	3394
80°	2876	2876	2876
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 10327 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.6	19.3
10°-20°	235.6	35.6
20°-30°	156.6	23.7
30°-40°	72.4	11.0
40°-50°	33.6	5.1
50°-60°	17.9	2.7
60°-70°	10.5	1.6
70°-80°	5.6	0.8
80°-90°	1.2	0.2
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°	519.8	78.6
0°-40°	592.2	89.6
0°-60°	643.8	97.4
0°-90°	661.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	661.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1505	1505	1505	1505	1505	
5°	1420	1417	1416	1420	1415	128
15°	862	864	859	859	854	236
25°	334	333	333	333	334	157
35°	111	110	111	112	112	72
45°	42	42	42	42	42	33
55°	19	20	20	20	20	18
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1505.1	1505.1	1505.1	1505.1	1505.1
1°	1502.2	1500.7	1502.2	1504.4	1501.4
2°	1491.9	1490.5	1490.5	1493.4	1490.5
3°	1472.2	1473.7	1472.9	1475.8	1470.7
4°	1447.3	1446.6	1449.5	1451.0	1446.6
5°	1419.5	1416.6	1415.9	1419.5	1415.1
6°	1381.5	1379.3	1377.8	1382.2	1376.4
7°	1340.5	1339.1	1336.9	1338.4	1334.0
8°	1290.1	1289.4	1287.9	1289.4	1284.2
9°	1233.8	1233.8	1236.7	1236.0	1233.0
10°	1178.9	1180.4	1178.9	1180.4	1174.5
11°	1117.5	1117.5	1119.0	1118.2	1119.0
12°	1064.1	1058.3	1056.8	1055.3	1050.9
13°	995.4	991.0	989.5	991.0	988.8
14°	932.5	929.5	922.2	923.7	920.8
15°	861.5	864.4	859.3	859.3	854.2
17.5°	704.3	701.4	702.8	703.5	701.4
20°	560.9	559.5	558.0	556.6	558.7
22.5°	435.9	436.6	435.1	433.7	432.2
25°	333.5	332.8	332.8	332.8	334.2
27.5°	253.0	253.0	253.0	253.8	253.8
30°	191.6	190.1	191.6	192.3	192.3
32.5°	143.3	144.8	145.5	145.5	145.5
35°	111.2	110.4	111.2	111.9	111.9
37.5°	84.8	84.8	85.6	85.6	86.3
40°	65.8	65.8	65.8	66.6	67.3
42.5°	51.9	51.9	52.7	52.7	53.4
45°	41.7	41.7	42.4	42.4	42.4
47.5°	33.6	33.6	34.4	34.4	34.4
50°	27.8	27.8	27.8	27.8	27.8
52.5°	23.4	22.7	23.4	23.4	23.4
55°	19.0	19.7	19.7	19.7	19.7
57.5°	16.1	16.8	16.8	16.8	16.8
60°	13.9	13.9	13.9	14.6	14.6
62.5°	11.7	12.4	12.4	12.4	12.4
65°	10.2	10.2	10.2	10.2	10.2
67.5°	8.8	8.8	8.8	8.8	9.5
70°	7.3	7.3	8.0	8.0	8.0
72.5°	6.6	6.6	6.6	6.6	6.6
75°	5.1	5.1	5.1	5.1	5.1
77.5°	3.7	3.7	4.4	4.4	3.7
80°	2.9	2.9	2.9	2.9	2.9
82.5°	2.2	2.2	2.2	2.2	2.2
85°	0.7	0.7	0.7	0.7	0.7
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)