

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: P1312325

Luminaire Tested: P3SQAS09R509727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312325
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: P3SQAS09R509727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

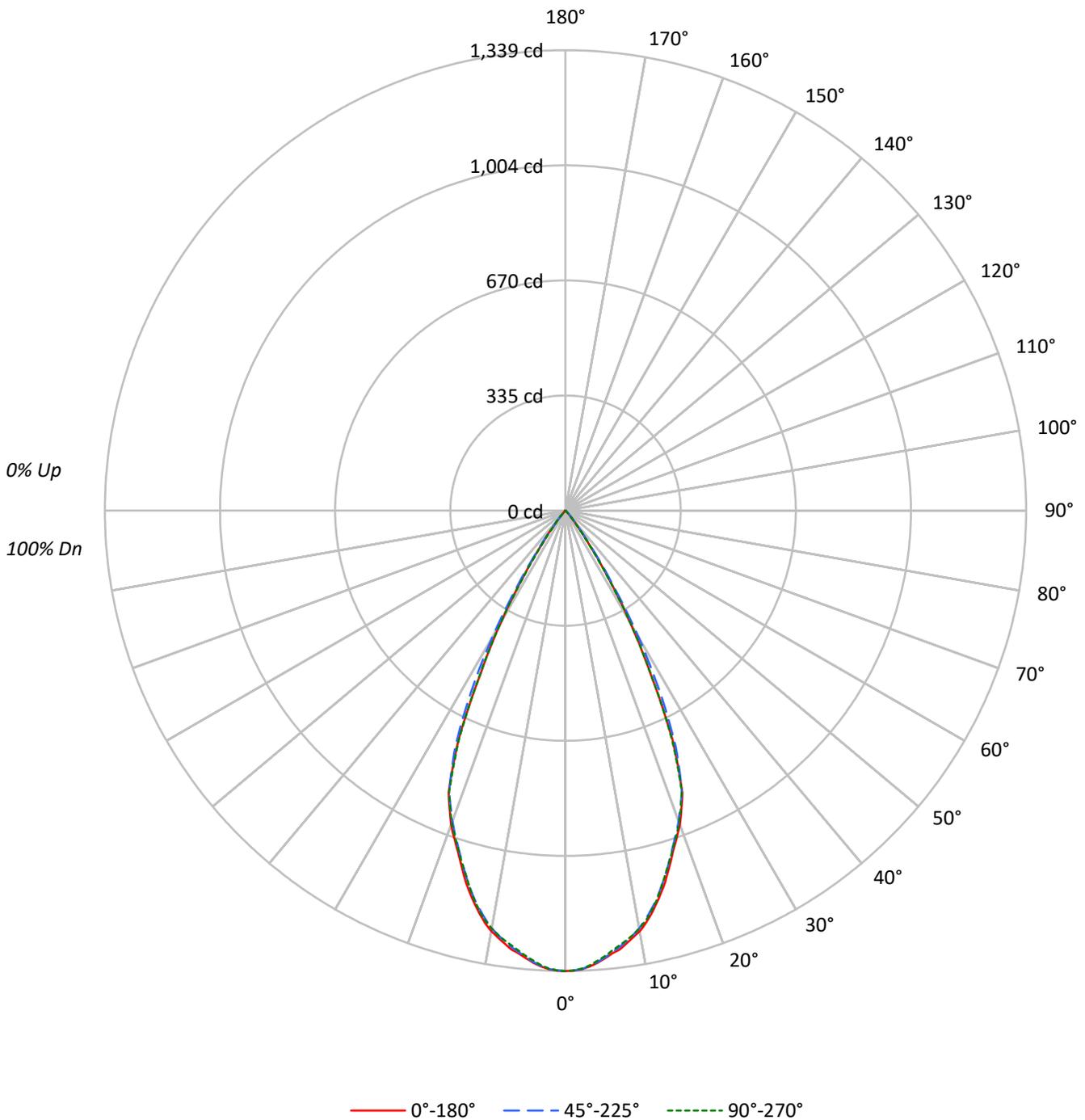
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 862.9 lumens
Efficiency: N/A
Efficacy: 77.7 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 (A_{in}): 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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	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	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	80	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	230623	230623	230623
5°	226110	225678	225056
10°	217253	215766	215871
15°	199444	197590	197376
20°	178180	176274	177172
25°	140050	144116	138871
30°	74913	83941	75171
35°	24473	28593	23064
40°	6070	7576	5778
45°	755	2679	755
50°	482	831	482
55°	540	540	540
60°	413	413	413
65°	489	489	489
70°	302	302	302
75°	399	399	399
80°	595	595	595
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2679 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.4	14.2
10°-20°	309.7	35.9
20°-30°	325.7	37.7
30°-40°	93.9	10.9
40°-50°	7.6	0.9
50°-60°	1.6	0.2
60°-70°	1.2	0.1
70°-80°	0.6	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°	757.9	87.8
0°-40°	851.7	98.7
0°-60°	861.0	99.8
0°-90°	862.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	862.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1339	1339	1339	1339	1339	
5°	1308	1307	1305	1307	1302	123
15°	1119	1111	1108	1108	1107	311
25°	737	755	758	750	731	319
35°	116	121	136	116	110	90
45°	3	6	11	6	3	6
55°	2	2	2	2	2	2
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1339.1	1339.1	1339.1	1339.1	1339.1
1°	1338.5	1339.8	1337.3	1341.6	1337.9
2°	1335.5	1336.1	1334.9	1337.9	1333.0
3°	1328.1	1329.3	1326.9	1329.3	1325.0
4°	1319.5	1319.5	1317.1	1318.9	1313.4
5°	1307.9	1307.3	1305.4	1306.7	1301.8
6°	1295.6	1295.0	1292.0	1292.0	1288.3
7°	1286.5	1282.2	1279.7	1279.1	1275.4
8°	1271.8	1270.5	1265.6	1265.6	1263.2
9°	1257.1	1255.8	1250.3	1251.5	1249.7
10°	1242.3	1238.1	1233.8	1234.4	1234.4
11°	1222.7	1219.1	1212.9	1215.4	1216.6
12°	1199.5	1195.2	1189.7	1194.6	1194.0
13°	1173.7	1170.1	1165.8	1169.4	1168.2
14°	1146.8	1141.3	1137.6	1140.0	1138.8
15°	1118.6	1111.3	1108.2	1108.2	1107.0
17.5°	1039.6	1035.3	1032.2	1030.4	1034.7
20°	972.2	968.5	961.8	963.6	966.7
22.5°	887.7	887.0	883.4	880.3	884.0
25°	737.0	755.3	758.4	749.8	730.8
27.5°	535.4	578.3	593.6	573.4	538.5
30°	376.7	397.0	422.1	382.3	378.0
32.5°	227.3	232.8	256.1	228.5	222.4
35°	116.4	120.7	136.0	116.4	109.7
37.5°	54.5	57.0	63.1	54.5	50.8
40°	27.0	30.0	33.7	28.2	25.7
42.5°	11.6	15.3	19.6	14.7	10.4
45°	3.1	6.1	11.0	6.1	3.1
47.5°	1.8	2.5	6.1	2.5	1.8
50°	1.8	1.8	3.1	1.8	1.8
52.5°	1.8	1.8	1.8	1.8	1.8
55°	1.8	1.8	1.8	1.8	1.8
57.5°	1.8	1.8	1.8	1.8	1.8
60°	1.2	1.8	1.2	1.8	1.2
62.5°	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.6	0.0	0.6	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)