

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: P1312323

Luminaire Tested: P3SQAS09R509727DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R509727DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

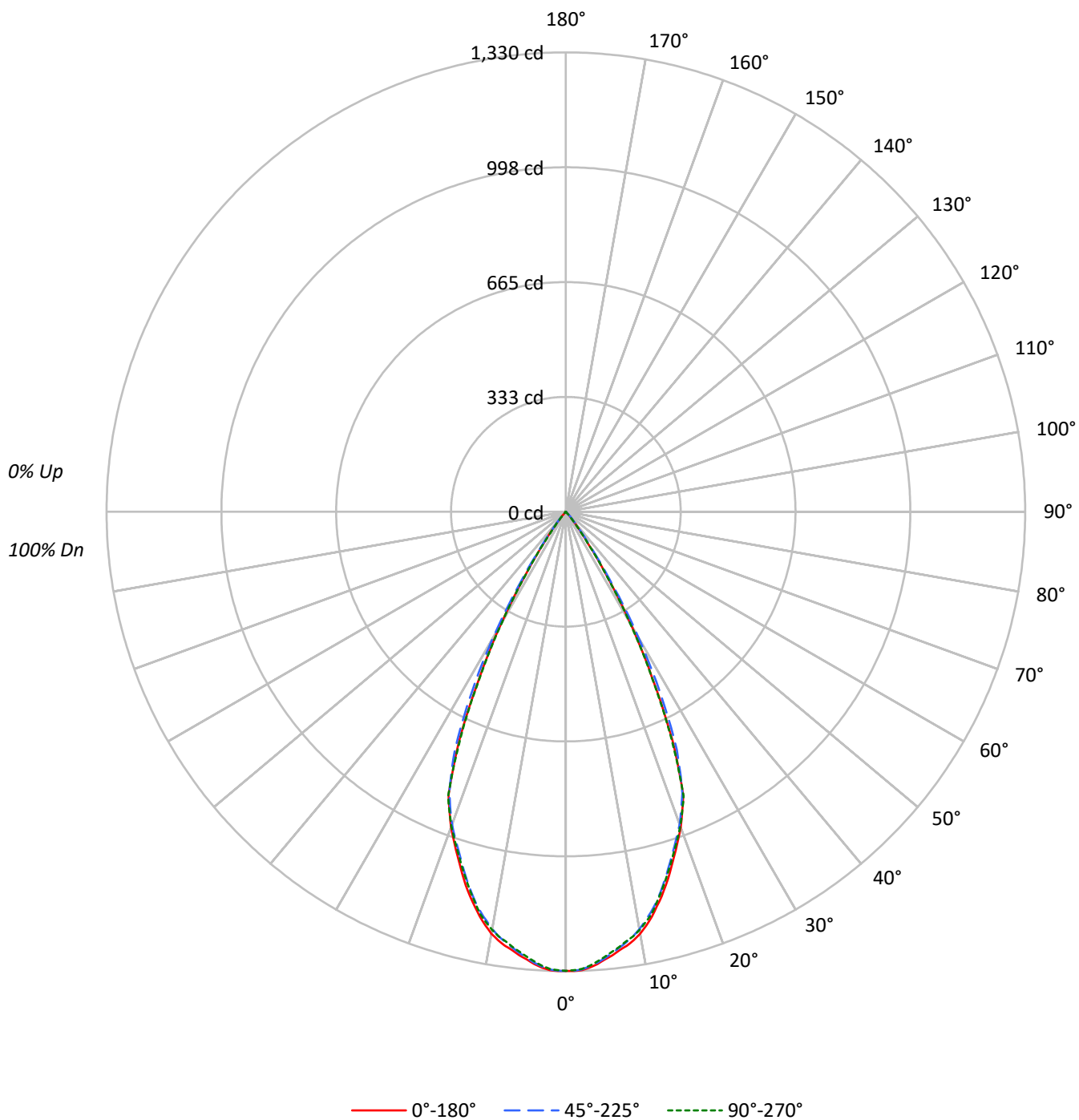
Lumens per Lamp: N/A
Luminaire Lumens: 856.0 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1312323

CATALOG NUMBER: P3SQAS09R509727DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1312323

CATALOG NUMBER: P3SQAS09R509727DE010 E3SQCD1MB

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	114	112	109	107	112	110	108	106	106	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	98	95		97	95	93		95
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	93	88	85	90	87	84		89	85	83		87
5	96	89	84	80	95	88	83	79	86	82	79		85	81	78		83
6	92	84	79	75	91	83	79	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76
8	85	76	71	67	83	76	71	67	75	70	67		74	70	67		73
9	81	73	67	64	80	72	67	64	71	67	64		70	66	63		70
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	228936	228936	228936
5°	224935	224312	223673
10°	216938	214577	215014
15°	199569	197055	197608
20°	178199	176513	177539
25°	138700	144515	137180
30°	75131	83901	73799
35°	23695	28194	23169
40°	5238	7307	4946
45°	146	2241	146
50°	0	322	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: 2241 cd/sqm

TEST NUMBER: P1312323

CATALOG NUMBER: P3SQAS09R509727DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.8	14.2
10°-20°	309.4	36.1
20°-30°	325.9	38.1
30°-40°	93.1	10.9
40°-50°	5.8	0.7
50°-60°	0.0	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°	757.1	88.4
0°-40°	850.2	99.3
0°-60°	856.0	100.0
0°-90°	856.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	856.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1329	1329	1329	1329	1329	
5°	1301	1300	1298	1296	1294	122
15°	1119	1112	1105	1107	1108	312
25°	730	757	760	752	722	319
35°	113	121	134	114	110	88
45°	1	3	9	3	1	4
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	

TEST NUMBER: P1312323

CATALOG NUMBER: P3SQAS09R509727DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1329.3	1329.3	1329.3	1329.3	1329.3
1°	1329.9	1330.5	1329.3	1330.5	1327.5
2°	1328.1	1326.8	1325.6	1326.2	1324.4
3°	1321.3	1320.7	1318.3	1318.9	1316.4
4°	1312.8	1310.9	1309.1	1307.9	1305.4
5°	1301.1	1299.9	1297.5	1296.2	1293.8
6°	1291.3	1288.9	1284.6	1283.4	1280.9
7°	1278.5	1277.2	1271.7	1270.5	1269.3
8°	1268.7	1265.0	1258.3	1258.9	1255.8
9°	1255.8	1250.9	1244.2	1244.2	1244.8
10°	1240.5	1233.2	1227.0	1228.9	1229.5
11°	1220.3	1215.4	1206.2	1210.5	1210.5
12°	1198.3	1192.1	1185.4	1189.1	1191.5
13°	1172.5	1167.6	1161.5	1165.2	1164.0
14°	1147.4	1138.3	1134.0	1138.9	1137.0
15°	1119.3	1111.9	1105.2	1107.0	1108.3
17.5°	1044.0	1036.0	1031.1	1031.7	1037.2
20°	972.3	969.3	963.1	965.6	968.7
22.5°	887.8	889.1	881.7	883.5	890.9
25°	729.9	756.8	760.5	751.9	721.9
27.5°	540.7	581.1	593.3	573.7	537.0
30°	377.8	388.8	421.9	384.5	371.1
32.5°	221.7	238.2	255.9	230.2	221.0
35°	112.7	120.6	134.1	113.9	110.2
37.5°	52.0	55.7	61.2	52.0	49.0
40°	23.3	27.6	32.5	26.3	22.0
42.5°	7.3	12.9	17.1	11.6	6.7
45°	0.6	3.1	9.2	3.1	0.6
47.5°	0.0	0.6	3.7	0.6	0.0
50°	0.0	0.0	1.2	0.0	0.0
52.5°	0.0	0.0	0.0	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



TEST NUMBER: P1312323

CATALOG NUMBER: P3SQAS09R509727DE010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)