

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: P1310137

Luminaire Tested: P3SQAS09R559040DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310137
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R559040DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

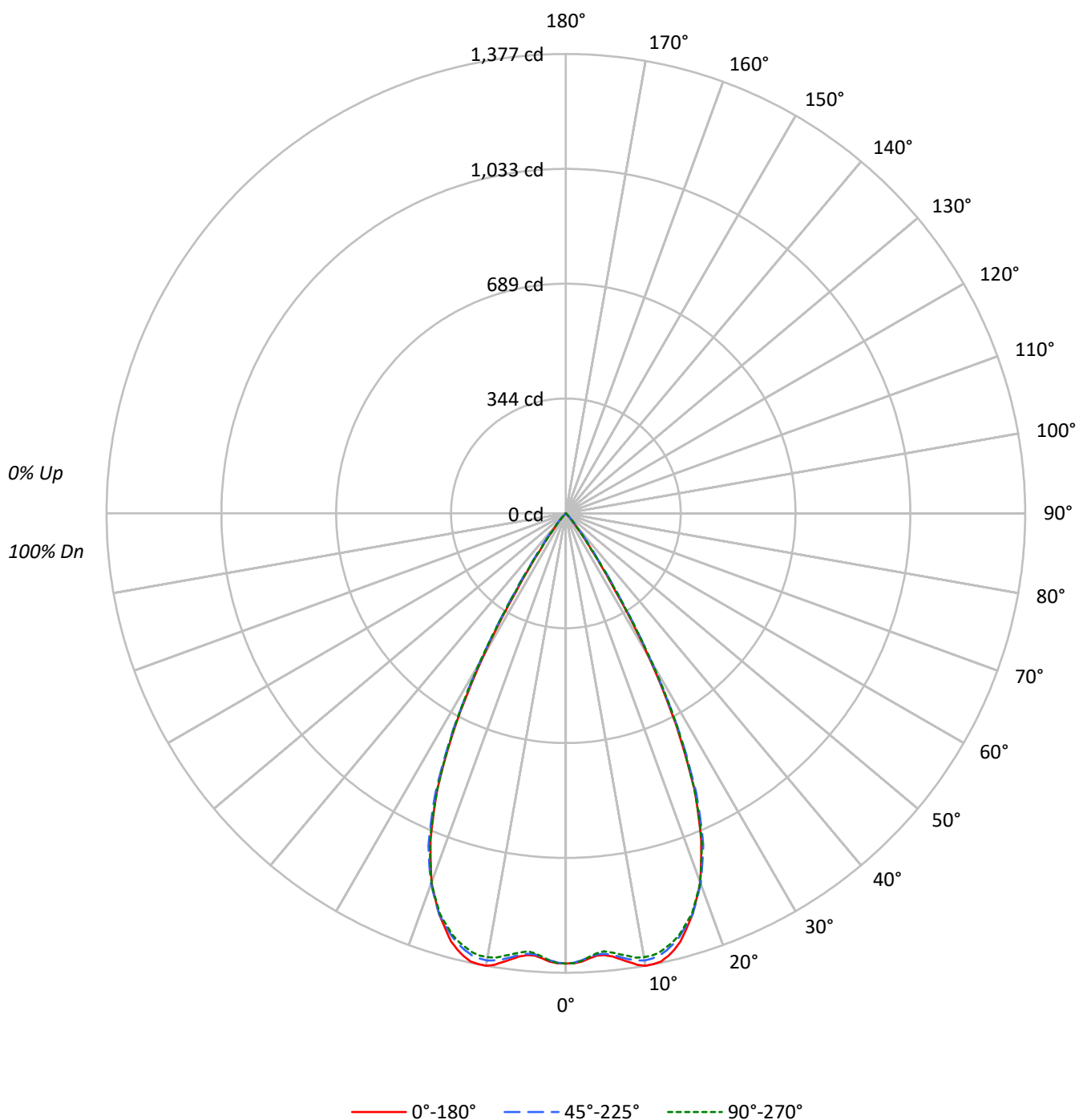
Lumens per Lamp: N/A
Luminaire Lumens: 1026.0 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310137

CATALOG NUMBER: P3SQAS09R559040DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1310137

CATALOG NUMBER: P3SQAS09R559040DE010 E3SQCD1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	89
3	104	99	94	91	103	97	93	90	95	91	89		92	90	87		90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86	83	81	80
5	96	88	83	79	94	87	82	79	85	81	78		84	80	77		82	79	77	75
6	91	83	78	74	90	83	78	74	81	77	74		80	76	73		79	75	73	71
7	87	79	74	70	86	79	73	70	77	73	69		76	72	69		75	72	69	67
8	84	75	70	66	83	75	70	66	74	69	66		73	69	65		72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62		69	65	62		69	65	62	61
10	77	68	63	59	76	68	63	59	67	62	59		66	62	59		66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	232414	232414	232414
5°	229775	229084	227857
10°	240826	237941	236280
15°	236833	234301	233463
20°	215715	216577	215862
25°	173057	175756	173057
30°	99333	101839	102615
35°	28320	34123	29161
40°	7262	10454	7442
45°	779	3653	585
50°	0	643	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: 3653 cd/sqm

TEST NUMBER: P1310137

CATALOG NUMBER: P3SQAS09R559040DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.1	12.5
10°-20°	365.6	35.6
20°-30°	402.7	39.3
30°-40°	120.2	11.7
40°-50°	9.2	0.9
50°-60°	0.1	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°	896.5	87.4
0°-40°	1016.7	99.1
0°-60°	1026.0	100.0
0°-90°	1026.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1026.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1350	1350	1350	1350	1350	
5°	1329	1327	1325	1320	1318	129
15°	1328	1319	1314	1309	1309	368
25°	911	911	925	923	911	399
35°	135	143	162	148	139	111
45°	3	8	15	8	2	6
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: P1310137

CATALOG NUMBER: P3SQAS09R559040DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1349.5	1349.5	1349.5	1349.5	1349.5
1°	1348.8	1348.8	1347.2	1346.4	1348.8
2°	1344.8	1344.8	1340.9	1340.1	1342.5
3°	1336.2	1335.4	1332.2	1329.8	1331.4
4°	1329.1	1327.5	1325.1	1321.2	1322.0
5°	1329.1	1326.7	1325.1	1319.6	1318.0
6°	1335.4	1333.8	1330.6	1325.1	1323.5
7°	1346.4	1343.2	1340.1	1333.0	1331.4
8°	1358.2	1355.8	1349.5	1342.5	1339.3
9°	1370.0	1364.5	1356.6	1349.5	1348.8
10°	1377.1	1369.2	1360.6	1351.9	1351.1
11°	1376.3	1369.2	1359.0	1351.1	1350.3
12°	1373.2	1362.9	1354.3	1344.8	1345.6
13°	1362.1	1352.7	1344.0	1336.9	1335.4
14°	1347.2	1338.5	1330.6	1323.5	1324.3
15°	1328.3	1318.8	1314.1	1308.6	1309.4
17.5°	1261.3	1258.9	1261.3	1255.0	1257.4
20°	1177.0	1174.6	1181.7	1178.6	1177.8
22.5°	1059.6	1062.8	1076.2	1072.2	1065.1
25°	910.7	910.7	924.9	923.3	910.7
27.5°	716.9	722.4	731.1	735.0	725.6
30°	499.5	512.1	512.1	520.0	516.0
32.5°	278.9	305.7	312.0	315.9	300.2
35°	134.7	143.4	162.3	148.1	138.7
37.5°	64.6	68.5	87.4	70.9	66.2
40°	32.3	37.0	46.5	38.6	33.1
42.5°	13.4	19.7	24.4	19.7	13.4
45°	3.2	7.9	15.0	7.9	2.4
47.5°	0.0	0.8	7.1	1.6	0.0
50°	0.0	0.0	2.4	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: P1310137
CATALOG NUMBER: P3SQAS09R559040DE010 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)