

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: P1318055

Luminaire Tested: P3SQAS13R559835DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318055
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: P3SQAS13R559835DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

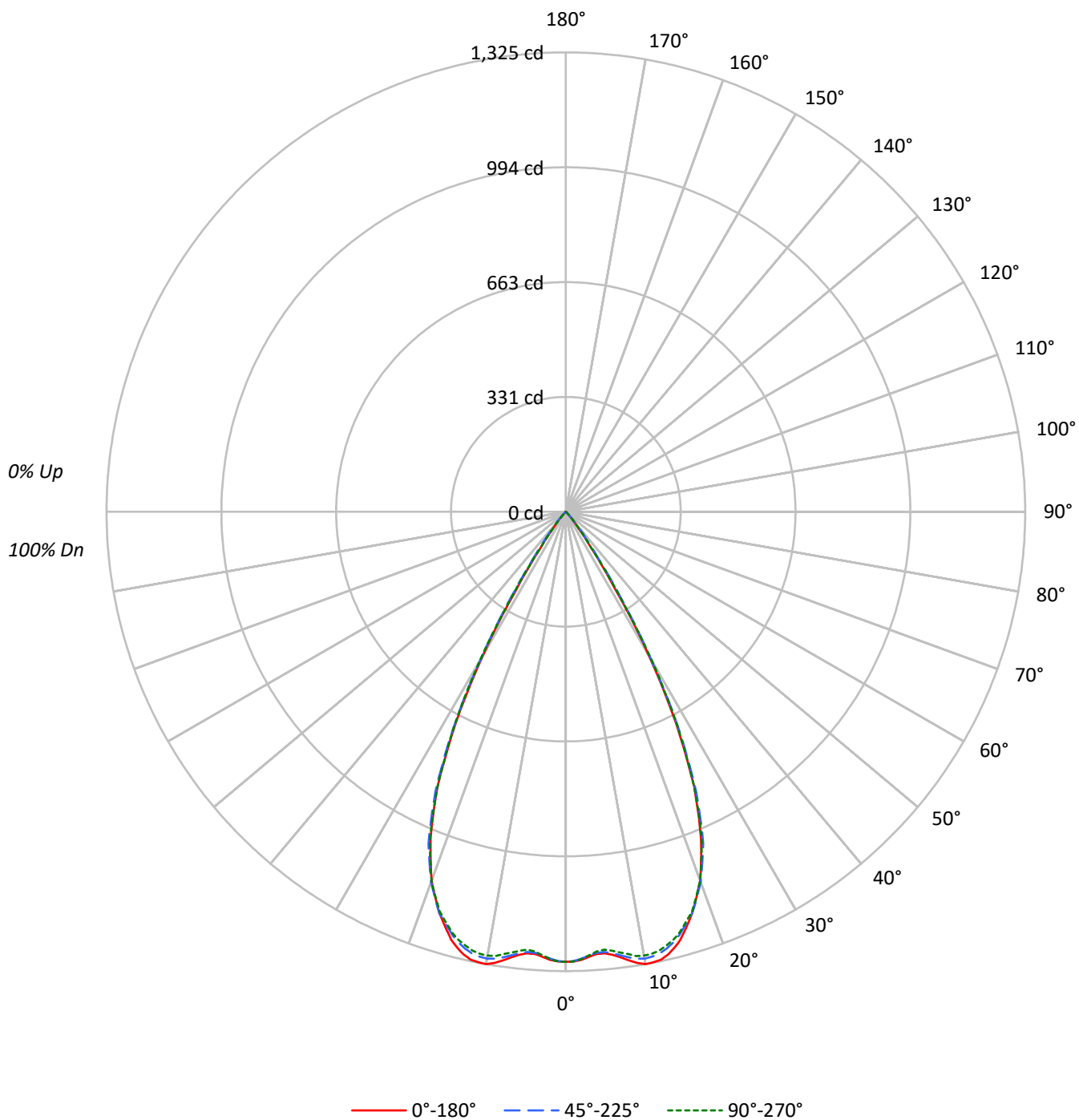
Lumens per Lamp: N/A
Luminaire Lumens: 987.0 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1318055

CATALOG NUMBER: P3SQAS13R559835DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1318055

CATALOG NUMBER: P3SQAS13R559835DE010 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	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	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	223579	223579	223579
5°	221028	220388	219195
10°	231680	228900	227308
15°	227829	225386	224584
20°	207523	208348	207651
25°	166482	169067	166482
30°	95555	97961	98717
35°	27248	32819	28047
40°	6992	10049	7149
45°	731	3507	560
50°	0	616	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: 3507 cd/sqm

TEST NUMBER: P1318055

CATALOG NUMBER: P3SQAS13R559835DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.3	12.5
10°-20°	351.7	35.6
20°-30°	387.4	39.3
30°-40°	115.6	11.7
40°-50°	8.9	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°	862.4	87.4
0°-40°	978.1	99.1
0°-60°	987.0	100.0
0°-90°	987.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	987.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1298	1298	1298	1298	1298	
5°	1278	1276	1275	1269	1268	124
15°	1278	1269	1264	1259	1260	354
25°	876	876	890	888	876	384
35°	130	138	156	142	133	107
45°	3	8	14	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: P1318055

CATALOG NUMBER: P3SQAS13R559835DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1298.2	1298.2	1298.2	1298.2	1298.2
1°	1297.5	1297.5	1296.0	1295.2	1297.5
2°	1293.7	1293.7	1289.9	1289.2	1291.4
3°	1285.4	1284.6	1281.6	1279.3	1280.8
4°	1278.5	1277.0	1274.8	1271.0	1271.7
5°	1278.5	1276.3	1274.8	1269.4	1267.9
6°	1284.6	1283.1	1280.1	1274.8	1273.2
7°	1295.2	1292.2	1289.2	1282.3	1280.8
8°	1306.6	1304.3	1298.2	1291.4	1288.4
9°	1318.0	1312.6	1305.1	1298.2	1297.5
10°	1324.8	1317.2	1308.9	1300.5	1299.8
11°	1324.0	1317.2	1307.3	1299.8	1299.0
12°	1321.0	1311.1	1302.8	1293.7	1294.5
13°	1310.4	1301.3	1292.9	1286.1	1284.6
14°	1296.0	1287.6	1280.1	1273.2	1274.0
15°	1277.8	1268.7	1264.1	1258.8	1259.6
17.5°	1213.4	1211.1	1213.4	1207.3	1209.6
20°	1132.3	1130.0	1136.8	1133.8	1133.0
22.5°	1019.3	1022.4	1035.3	1031.5	1024.7
25°	876.1	876.1	889.7	888.2	876.1
27.5°	689.7	695.0	703.3	707.1	698.0
30°	480.5	492.6	492.6	500.2	496.4
32.5°	268.3	294.1	300.1	303.9	288.8
35°	129.6	137.9	156.1	142.5	133.4
37.5°	62.1	65.9	84.1	68.2	63.7
40°	31.1	35.6	44.7	37.1	31.8
42.5°	12.9	18.9	23.5	18.9	12.9
45°	3.0	7.6	14.4	7.6	2.3
47.5°	0.0	0.8	6.8	1.5	0.0
50°	0.0	0.0	2.3	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: P1318055

CATALOG NUMBER: P3SQAS13R559835DE010 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)