

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: P1311394

Luminaire Tested: P3SQAS13R659050DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R659050DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R65 optic, 5000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

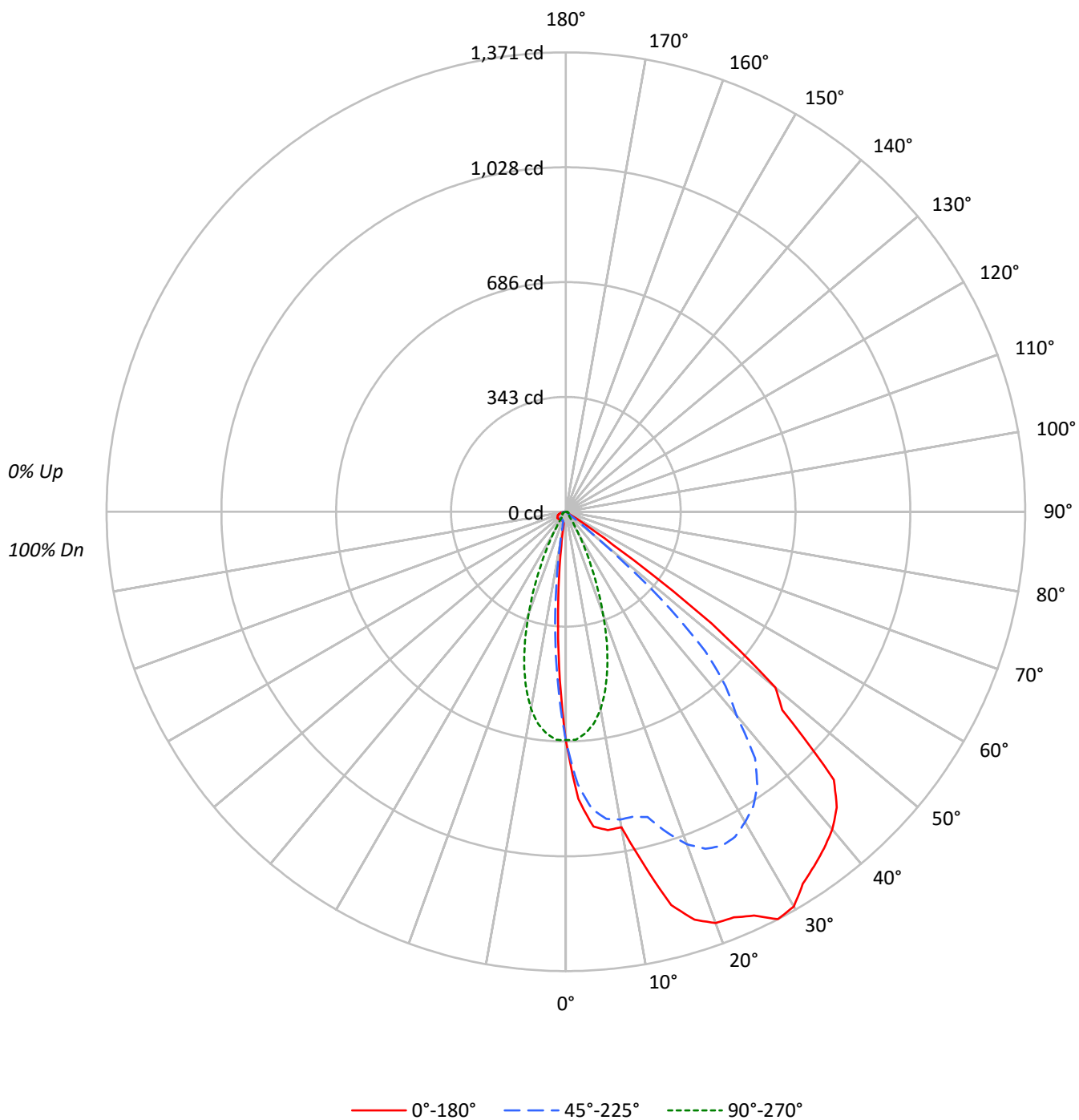
Lumens per Lamp: N/A
Luminaire Lumens: 1021.0 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1311394

CATALOG NUMBER: P3SQAS13R659050DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311394

CATALOG NUMBER: P3SQAS13R659050DE010 E3SQCA301MW

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	112	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	92	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	83	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	74	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	67	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	60	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	54	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	49	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	45	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	41	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	38	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	117318	117318	117318	117318	117318
5°	163078	153898	114827	63101	44396
10°	167185	163093	104473	17628	6488
15°	216614	168189	85512	5670	5492
20°	239376	193484	59510	5058	5242
25°	252640	209086	33673	4846	5245
30°	270497	212687	15193	4852	5489
35°	271489	209467	4899	5130	6013
40°	278148	177946	3350	5486	6677
45°	275490	143432	3361	5943	7234
50°	218605	33840	3403	6538	8252
55°	51915	1922	3513	7326	9248
60°	1826	2204	4030	7681	9851
65°	2160	2160	3871	8232	10799
70°	1611	2115	3726	8006	11229
75°	1397	2129	3527	8451	11312
80°	1091	2083	4166	8430	11604
85°	2174	4150	4150	8299	10473

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°

Vertical Angle: 45°

Luminance: 276002 cd/sqm

TEST NUMBER: P1311394

CATALOG NUMBER: P3SQAS13R659050DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.9	5.6
10°-20°	149.7	14.7
20°-30°	235.2	23.0
30°-40°	269.0	26.3
40°-50°	216.2	21.2
50°-60°	70.3	6.9
60°-70°	12.5	1.2
70°-80°	8.2	0.8
80°-90°	3.0	0.3
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°	441.7	43.3
0°-40°	710.7	69.6
0°-60°	997.3	97.7
0°-90°	1021.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1021.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	681	681	681	681	681	
5°	943	890	664	365	257	89
15°	1215	943	480	32	31	338
25°	1330	1100	177	26	28	619
35°	1291	996	23	24	29	811
45°	1131	589	14	24	30	814
55°	173	6	12	24	31	247
65°	5	5	10	20	26	5
75°	2	3	5	13	17	3
85°	1	2	2	4	5	1
90°	0	0	0	0	0	

TEST NUMBER: P1311394

CATALOG NUMBER: P3SQAS13R659050DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	681.2	681.2	681.2	681.2	681.2	681.2	681.2	681.2	681.2	681.2	681.2
2.5°	857.3	854.1	858.4	850.9	849.9	842.5	838.2	836.1	826.5	813.8	802.1
5°	943.3	930.5	933.7	932.6	927.3	924.2	919.9	914.6	901.9	890.2	875.3
7.5°	958.1	947.5	949.6	950.7	947.5	946.4	945.4	943.3	934.8	924.2	911.4
10°	956.0	945.4	944.3	941.1	937.9	939.0	939.0	939.0	936.9	932.6	928.4
12.5°	1079.1	1064.2	1061.0	1038.7	1018.6	983.6	961.3	940.1	930.5	931.6	928.4
15°	1214.9	1213.8	1203.2	1182.0	1148.0	1116.2	1065.3	1027.1	978.3	943.3	928.4
17.5°	1276.4	1275.4	1265.8	1247.8	1223.4	1193.7	1156.5	1112.0	1057.8	1003.7	959.2
20°	1306.1	1313.6	1302.9	1288.1	1264.7	1237.2	1202.1	1161.8	1110.9	1055.7	1002.7
22.5°	1310.4	1319.9	1310.4	1299.8	1282.8	1264.7	1235.0	1193.7	1141.7	1088.6	1036.6
25°	1329.5	1332.6	1312.5	1298.7	1282.8	1270.0	1246.7	1210.6	1157.6	1100.3	1049.4
27.5°	1370.8	1357.1	1314.6	1295.5	1280.7	1269.0	1246.7	1209.6	1152.3	1093.9	1040.9
30°	1360.2	1354.9	1317.8	1299.8	1287.0	1275.4	1247.8	1200.0	1131.1	1069.5	1014.3
32.5°	1316.7	1327.3	1314.6	1308.2	1301.9	1287.0	1246.7	1182.0	1104.5	1041.9	967.7
35°	1291.3	1304.0	1305.1	1305.1	1297.6	1275.4	1227.6	1155.5	1078.0	996.3	896.6
37.5°	1265.8	1276.4	1282.8	1287.0	1276.4	1244.6	1184.1	1119.4	1034.5	927.3	752.3
40°	1237.2	1244.6	1249.9	1252.0	1236.1	1194.7	1139.5	1066.3	970.8	791.5	671.6
42.5°	1196.8	1201.1	1200.0	1199.0	1182.0	1136.4	1084.4	1008.0	819.1	705.6	560.2
45°	1131.1	1126.8	1133.2	1133.2	1110.9	1076.9	1008.0	859.4	733.2	588.9	360.7
47.5°	876.4	879.6	910.4	960.2	991.0	981.4	888.1	752.3	616.5	386.2	119.9
50°	815.9	812.7	813.8	819.1	822.3	795.8	728.9	635.6	407.4	126.3	8.5
52.5°	547.5	550.7	575.1	631.3	649.3	630.2	566.6	424.4	148.5	8.5	7.4
55°	172.9	184.6	198.4	228.1	280.1	313.0	306.6	150.7	9.5	6.4	7.4
57.5°	6.4	6.4	8.5	14.9	28.6	46.7	48.8	9.5	7.4	7.4	7.4
60°	5.3	5.3	5.3	5.3	5.3	5.3	6.4	6.4	6.4	6.4	6.4
62.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	6.4	6.4	6.4	6.4
65°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	6.4
67.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.3	5.3	5.3	5.3
70°	3.2	3.2	3.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.3
72.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.2	4.2	4.2
75°	2.1	2.1	2.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.2	3.2	3.2
80°	1.1	1.1	1.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.2
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1	2.1
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1311394

CATALOG NUMBER: P3SQAS13R659050DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	681.2	681.2	681.2	681.2	681.2	681.2	681.2	681.2
2.5°	795.8	783.0	757.6	681.2	601.6	522.0	472.2	459.4
5°	858.4	843.5	807.4	664.2	502.9	365.0	286.5	256.8
7.5°	896.6	878.5	836.1	637.7	391.5	212.2	127.3	101.9
10°	913.5	897.6	849.9	597.4	283.3	100.8	44.6	37.1
12.5°	921.0	908.2	855.2	544.3	184.6	44.6	32.9	31.8
15°	924.2	910.4	853.1	479.6	105.0	31.8	30.8	30.8
17.5°	927.3	911.4	840.3	405.3	58.4	29.7	28.6	29.7
20°	952.8	907.2	818.1	324.7	38.2	27.6	27.6	28.6
22.5°	978.3	906.1	778.8	248.3	29.7	26.5	27.6	27.6
25°	986.8	895.5	728.9	177.2	25.5	25.5	26.5	27.6
27.5°	970.8	864.7	662.1	119.9	22.3	25.5	26.5	27.6
30°	933.7	812.7	581.4	76.4	21.2	24.4	26.5	27.6
32.5°	864.7	709.8	491.3	45.6	20.2	24.4	27.6	27.6
35°	726.8	595.2	389.4	23.3	20.2	24.4	27.6	28.6
37.5°	635.6	496.6	271.6	15.9	20.2	24.4	27.6	28.6
40°	527.3	358.6	113.5	14.9	20.2	24.4	27.6	29.7
42.5°	365.0	156.0	18.0	13.8	19.1	24.4	28.6	29.7
45°	131.6	20.2	8.5	13.8	19.1	24.4	28.6	29.7
47.5°	11.7	7.4	8.5	13.8	19.1	24.4	28.6	30.8
50°	7.4	7.4	7.4	12.7	19.1	24.4	28.6	30.8
52.5°	7.4	7.4	7.4	12.7	18.0	24.4	29.7	30.8
55°	7.4	7.4	7.4	11.7	18.0	24.4	28.6	30.8
57.5°	7.4	7.4	8.5	11.7	18.0	23.3	28.6	29.7
60°	7.4	7.4	7.4	11.7	17.0	22.3	27.6	28.6
62.5°	6.4	7.4	7.4	10.6	15.9	21.2	26.5	27.6
65°	6.4	6.4	7.4	9.5	14.9	20.2	24.4	26.5
67.5°	5.3	6.4	6.4	8.5	12.7	18.0	22.3	24.4
70°	5.3	5.3	5.3	7.4	11.7	15.9	21.2	22.3
72.5°	4.2	5.3	5.3	6.4	9.5	13.8	18.0	20.2
75°	4.2	4.2	4.2	5.3	8.5	12.7	15.9	17.0
77.5°	3.2	3.2	4.2	4.2	7.4	9.5	13.8	14.9
80°	3.2	3.2	3.2	4.2	5.3	8.5	10.6	11.7
82.5°	2.1	2.1	2.1	3.2	4.2	5.3	7.4	8.5
85°	2.1	2.1	2.1	2.1	3.2	4.2	5.3	5.3
87.5°	1.1	1.1	1.1	2.1	2.1	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)