

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: P1315579

Luminaire Tested: P3SQAS17R709740DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315579
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R709740DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

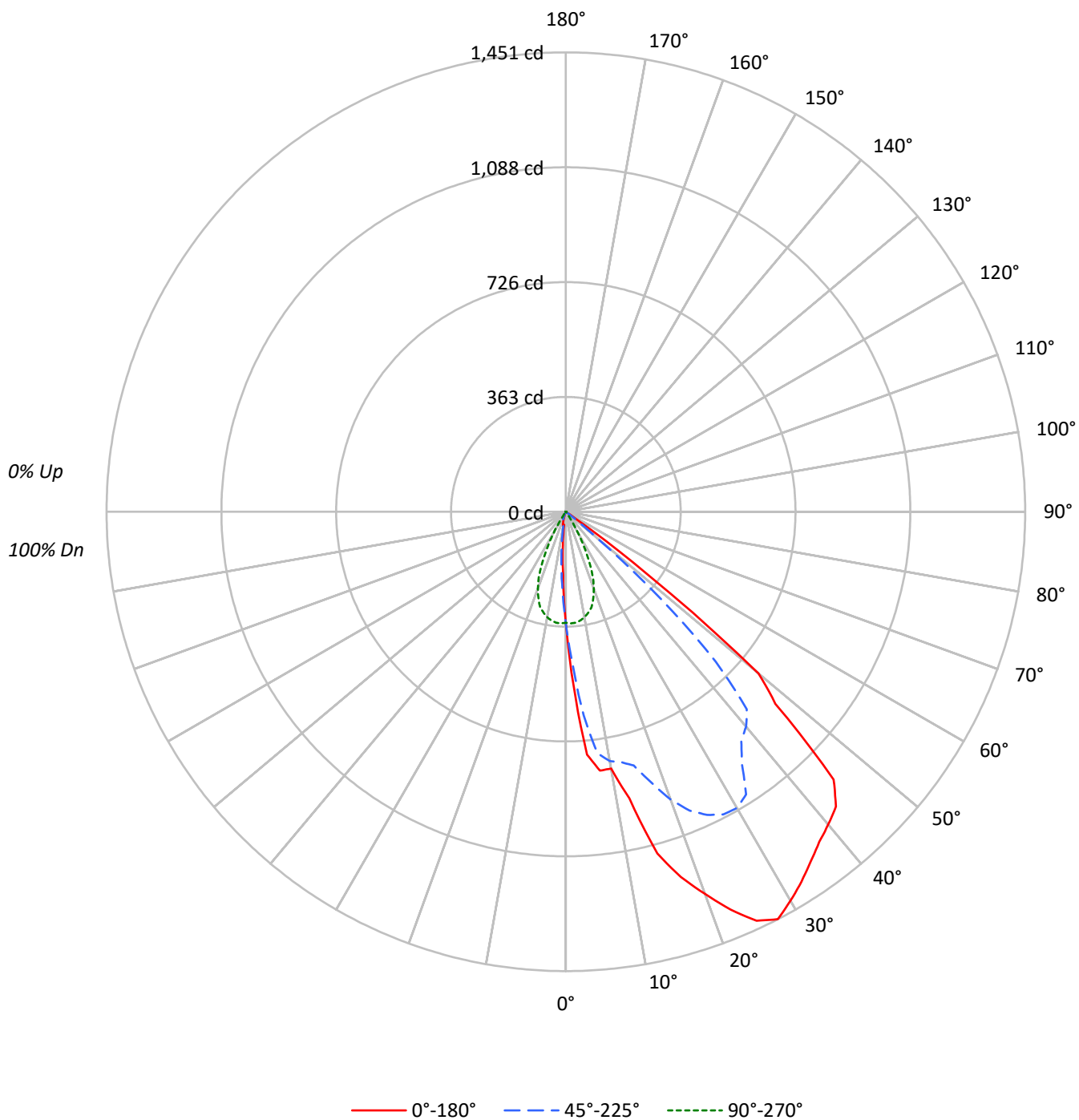
Lumens per Lamp: N/A
Luminaire Lumens: 944.0 lumens
Efficiency: N/A
Efficacy: 44.5 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1315579

CATALOG NUMBER: P3SQAS17R709740DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1315579

CATALOG NUMBER: P3SQAS17R709740DE010 E3SQCA301MMS

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	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82		
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48		
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	60347	60347	60347	60347	60347
5°	133118	111698	60802	27644	18187
10°	143978	139781	59179	7695	7922
15°	199284	147970	55825	7845	5706
20°	235362	177246	47358	4637	1704
25°	270864	200744	33407	760	0
30°	282131	214854	15372	0	0
35°	283431	203622	841	0	0
40°	289906	199169	0	0	0
45°	291370	163209	0	0	0
50°	212737	33920	0	0	0
55°	12010	0	0	0	0
60°	0	448	448	0	0
65°	0	0	530	0	0
70°	0	655	655	0	0
75°	0	865	865	0	0
80°	0	1289	1289	1289	0
85°	0	2569	2569	2569	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 296875 cd/sqm

TEST NUMBER: P1315579

CATALOG NUMBER: P3SQAS17R709740DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.3	4.1
10°-20°	128.0	13.6
20°-30°	230.1	24.4
30°-40°	279.7	29.6
40°-50°	216.0	22.9
50°-60°	50.2	5.3
60°-70°	0.3	0.0
70°-80°	0.7	0.1
80°-90°	0.7	0.1
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°	396.4	42.0
0°-40°	676.1	71.6
0°-60°	942.3	99.8
0°-90°	944.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	944.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	350	350	350	350	350	
5°	770	646	352	160	105	73
15°	1118	830	313	44	32	313
25°	1425	1056	176	4	0	649
35°	1348	968	4	0	0	847
45°	1196	670	0	0	0	845
55°	40	0	0	0	0	164
65°	0	0	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1315579

CATALOG NUMBER: P3SQAS17R709740DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	350.4	350.4	350.4	350.4	350.4	350.4	350.4	350.4	350.4	350.4	350.4
2.5°	546.2	546.2	548.8	547.5	535.5	530.2	512.9	503.5	500.9	479.6	471.6
5°	770.0	771.3	764.6	763.3	750.0	740.7	726.0	703.4	680.7	646.1	615.4
7.5°	824.6	823.3	821.9	821.9	819.3	813.9	807.3	800.6	791.3	770.0	746.0
10°	823.3	823.3	821.9	821.9	820.6	821.9	820.6	816.6	812.6	799.3	786.0
12.5°	927.2	919.2	908.5	892.5	865.9	845.9	823.3	816.6	813.9	809.9	801.9
15°	1117.7	1111.0	1088.4	1060.4	1033.7	988.4	952.5	903.2	864.6	829.9	812.6
17.5°	1209.6	1213.6	1188.3	1170.9	1145.6	1109.7	1067.0	1016.4	961.8	896.5	844.6
20°	1284.2	1288.2	1266.9	1249.5	1220.2	1182.9	1145.6	1091.0	1039.1	967.1	899.2
22.5°	1360.1	1362.8	1342.8	1317.5	1284.2	1245.5	1197.6	1141.6	1085.7	1021.7	949.8
25°	1425.4	1422.7	1389.4	1353.4	1321.5	1280.2	1233.6	1178.9	1125.7	1056.4	988.4
27.5°	1450.7	1449.4	1412.1	1377.4	1340.1	1284.2	1242.9	1194.9	1139.0	1077.7	1008.4
30°	1418.7	1440.0	1416.1	1390.7	1345.5	1289.5	1249.5	1192.3	1140.3	1080.4	1001.8
32.5°	1385.4	1412.1	1404.1	1392.1	1338.8	1294.8	1242.9	1189.6	1128.3	1059.0	939.2
35°	1348.1	1376.1	1377.4	1364.1	1316.1	1272.2	1224.2	1168.3	1099.0	968.5	880.5
37.5°	1314.8	1341.5	1349.5	1321.5	1284.2	1225.6	1181.6	1123.0	997.8	909.8	864.6
40°	1289.5	1309.5	1321.5	1277.5	1240.2	1182.9	1132.3	1029.7	916.5	885.9	821.9
42.5°	1262.9	1281.5	1286.8	1238.9	1181.6	1127.0	1053.7	924.5	891.2	845.9	674.1
45°	1196.3	1218.9	1205.6	1159.0	1116.3	1059.0	949.8	893.9	857.9	670.1	414.3
47.5°	897.9	923.2	959.1	972.5	987.1	945.8	885.9	865.9	704.7	406.3	129.2
50°	794.0	790.0	790.0	796.6	808.6	821.9	839.2	730.0	423.6	126.6	0.0
52.5°	323.7	339.7	418.3	488.9	570.2	651.4	676.7	447.6	165.2	2.7	0.0
55°	40.0	40.0	55.9	95.9	158.5	255.8	287.7	143.9	12.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.3	10.7	29.3	20.0	5.3	1.3	1.3	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
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: P1315579

CATALOG NUMBER: P3SQAS17R709740DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	350.4	350.4	350.4	350.4	350.4	350.4	350.4	350.4
2.5°	458.3	442.3	419.6	353.0	295.7	245.1	215.8	201.2
5°	586.1	547.5	495.6	351.7	239.8	159.9	119.9	105.2
7.5°	708.7	664.7	576.8	346.4	183.8	93.2	52.0	41.3
10°	762.0	730.0	651.4	338.4	133.2	44.0	44.0	45.3
12.5°	783.3	759.3	695.4	326.4	87.9	42.6	45.3	42.6
15°	797.9	775.3	716.7	313.1	50.6	44.0	36.0	32.0
17.5°	805.9	779.3	723.3	287.7	33.3	37.3	22.6	18.6
20°	831.3	788.6	728.7	258.4	32.0	25.3	12.0	9.3
22.5°	873.9	807.3	730.0	222.5	25.3	14.7	4.0	0.0
25°	912.5	832.6	734.0	175.8	8.0	4.0	0.0	0.0
27.5°	931.2	840.6	732.7	123.9	0.0	0.0	0.0	0.0
30°	908.5	820.6	720.7	77.3	0.0	0.0	0.0	0.0
32.5°	855.2	805.9	683.4	33.3	0.0	0.0	0.0	0.0
35°	837.9	774.0	598.1	4.0	0.0	0.0	0.0	0.0
37.5°	799.3	682.1	439.6	0.0	0.0	0.0	0.0	0.0
40°	687.4	492.9	209.1	0.0	0.0	0.0	0.0	0.0
42.5°	454.3	210.5	12.0	0.0	0.0	0.0	0.0	0.0
45°	159.9	13.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0
67.5°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
70°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
72.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
75°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
77.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
80°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
85°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
87.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)