

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: P1312494

Luminaire Tested: P3SQAS13R559727DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R559727DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

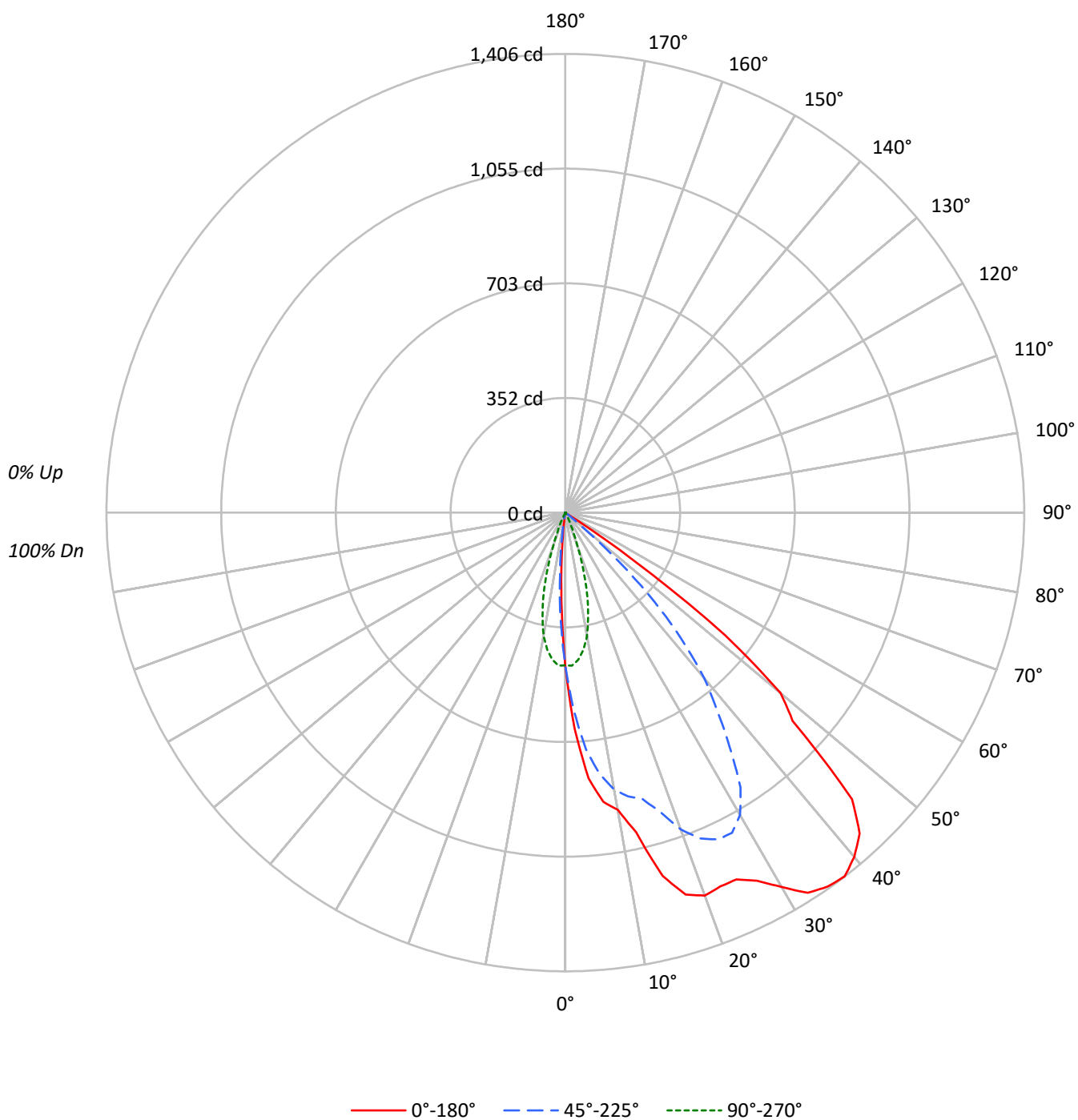
Lumens per Lamp: N/A
Luminaire Lumens: 866.0 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	80583	80583	80583	80583	80583
5°	141261	125926	78228	32502	18706
10°	161676	150711	66891	3550	1277
15°	205471	161788	45858	731	428
20°	228948	189269	20142	0	0
25°	235690	210017	5720	0	0
30°	263318	212826	815	0	0
35°	294301	184784	0	0	0
40°	309578	148741	0	0	0
45°	302672	93965	0	0	0
50°	230474	19184	0	0	0
55°	75516	0	0	0	0
60°	0	0	0	0	0
65°	0	326	326	0	0
70°	0	403	403	0	0
75°	0	532	532	0	0
80°	0	793	1587	793	0
85°	0	1581	1581	1581	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 302672 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.7	4.9
10°-20°	125.3	14.5
20°-30°	203.8	23.5
30°-40°	242.2	28.0
40°-50°	198.0	22.9
50°-60°	52.5	6.1
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.6	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°	371.8	42.9
0°-40°	614.0	70.9
0°-60°	864.5	99.8
0°-90°	866.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	866.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	468	468	468	468	468	
5°	817	728	452	188	108	80
15°	1152	907	257	4	2	322
25°	1240	1105	30	0	0	584
35°	1400	879	0	0	0	870
45°	1243	386	0	0	0	892
55°	252	0	0	0	0	283
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9
2.5°	664.1	659.2	660.0	657.6	660.0	649.4	638.0	627.5	619.3	607.9	538.8
5°	817.1	808.9	806.5	803.2	800.0	787.0	776.4	763.4	747.9	728.4	601.4
7.5°	894.4	887.9	884.6	886.3	878.9	874.0	860.2	845.6	829.3	808.1	648.6
10°	924.5	918.0	917.2	916.4	915.6	912.3	905.8	892.8	878.1	861.8	675.5
12.5°	1003.4	988.8	979.0	967.6	953.8	935.9	921.2	909.9	904.2	891.1	687.7
15°	1152.4	1138.5	1128.0	1113.3	1087.3	1049.0	1014.0	969.3	930.2	907.4	682.8
17.5°	1227.2	1220.7	1211.8	1202.0	1184.1	1156.4	1120.6	1073.4	1023.8	959.5	659.2
20°	1249.2	1246.0	1239.5	1235.4	1223.2	1203.6	1179.2	1142.6	1096.2	1032.7	622.6
22.5°	1240.3	1242.7	1246.0	1256.5	1258.2	1244.3	1221.5	1186.6	1139.4	1080.8	566.4
25°	1240.3	1238.6	1238.6	1260.6	1274.4	1267.9	1251.7	1219.9	1171.9	1105.2	497.2
27.5°	1272.0	1262.2	1241.9	1264.7	1287.5	1285.0	1270.4	1232.9	1179.2	1106.0	412.6
30°	1324.1	1302.9	1269.6	1290.7	1311.9	1302.9	1279.3	1231.3	1163.0	1070.2	309.3
32.5°	1381.9	1372.1	1355.0	1368.9	1365.6	1329.8	1287.5	1220.7	1129.6	998.6	208.3
35°	1399.8	1401.4	1390.0	1387.6	1368.9	1332.2	1287.5	1190.6	1059.6	878.9	123.7
37.5°	1405.5	1406.3	1388.4	1365.6	1337.9	1294.8	1241.1	1128.8	930.2	763.4	65.9
40°	1377.0	1376.2	1346.9	1319.2	1288.3	1246.0	1167.8	998.6	807.3	661.6	23.6
42.5°	1334.7	1324.1	1296.4	1262.2	1224.8	1171.9	1049.8	843.1	701.5	529.8	1.6
45°	1242.7	1232.9	1211.0	1174.3	1132.8	1058.0	865.1	724.3	570.5	385.8	0.0
47.5°	944.8	940.0	962.8	967.6	966.8	881.4	721.9	590.8	419.1	224.6	0.0
50°	860.2	853.7	830.9	801.6	749.5	677.9	578.6	437.8	245.8	71.6	0.0
52.5°	617.7	638.9	643.7	621.8	572.9	502.1	398.8	252.3	85.5	0.0	0.0
55°	251.5	238.5	248.2	260.4	270.2	248.2	183.9	89.5	0.8	0.0	0.0
57.5°	0.0	0.8	4.9	11.4	18.7	23.6	25.2	1.6	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	0.8	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	467.9	467.9	467.9	467.9	467.9
2.5°	469.6	397.1	327.2	288.9	270.2
5°	452.5	303.6	188.0	130.2	108.2
7.5°	424.0	208.3	74.9	30.9	22.0
10°	382.5	119.6	20.3	8.1	7.3
12.5°	323.1	54.5	7.3	5.7	5.7
15°	257.2	18.7	4.1	3.3	2.4
17.5°	180.7	4.9	1.6	0.0	0.0
20°	109.9	0.8	0.0	0.0	0.0
22.5°	61.0	0.0	0.0	0.0	0.0
25°	30.1	0.0	0.0	0.0	0.0
27.5°	13.0	0.0	0.0	0.0	0.0
30°	4.1	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	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°	0.8	0.0	0.0	0.0	0.0
65°	0.8	0.8	0.0	0.0	0.0
67.5°	0.8	0.8	0.0	0.0	0.0
70°	0.8	0.8	0.0	0.0	0.0
72.5°	0.8	0.8	0.0	0.0	0.0
75°	0.8	0.8	0.0	0.0	0.0
77.5°	1.6	0.8	0.8	0.0	0.0
80°	1.6	0.8	0.8	0.0	0.0
82.5°	1.6	0.8	0.8	0.0	0.0
85°	0.8	0.8	0.8	0.0	0.0
87.5°	1.6	0.8	0.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)