

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: P1307492

Luminaire Tested: P3SQAS02R259030DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307492
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R259030DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

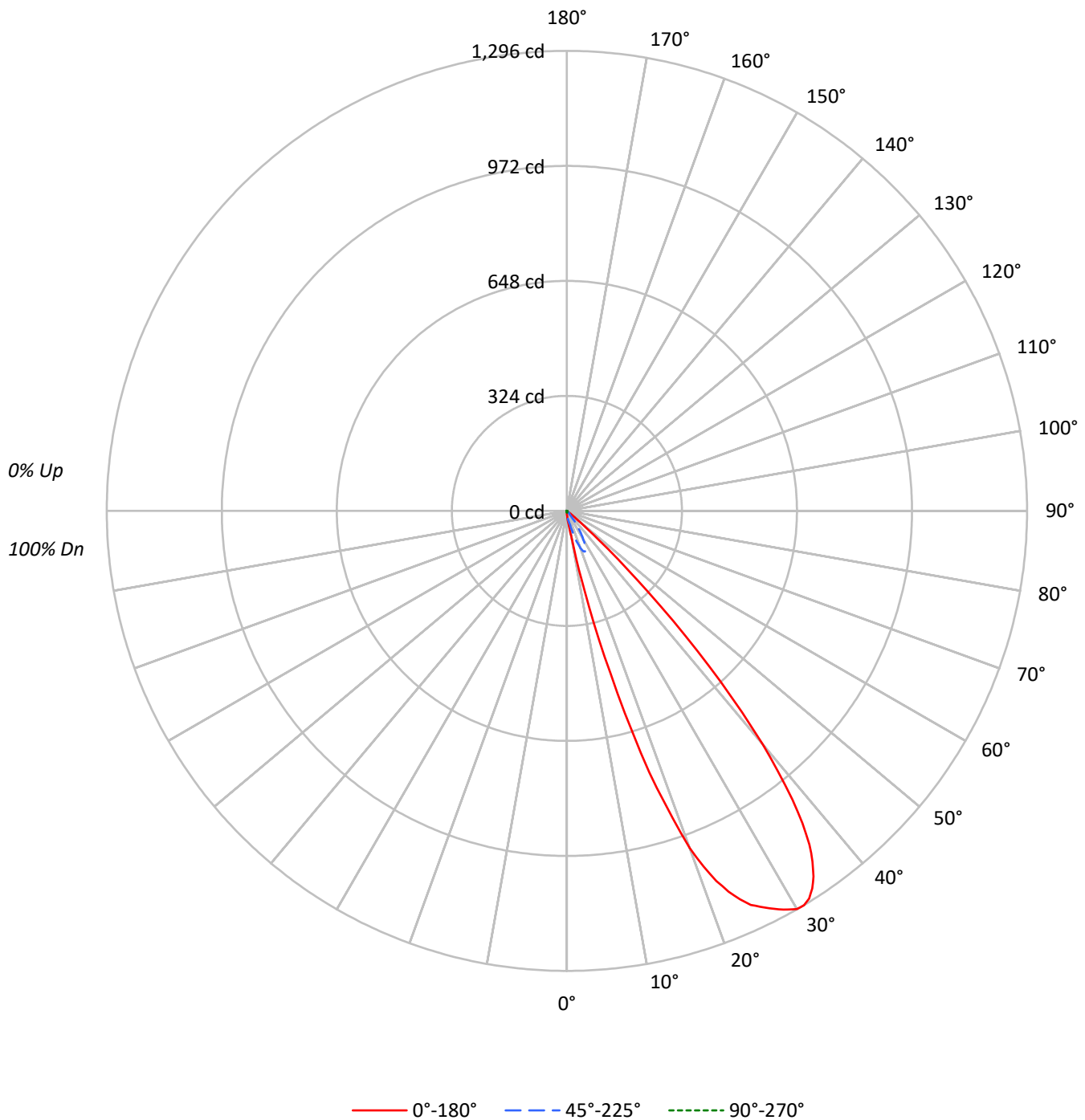
Lumens per Lamp: N/A
Luminaire Lumens: 254.0 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	38	61	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1378	1378	1378	1378	1378
5°	4339	3025	1262	674	501
10°	13658	5491	944	87	0
15°	84460	10448	571	0	0
20°	185163	20380	183	0	0
25°	232764	23430	0	0	0
30°	257670	18137	0	0	0
35°	253640	10281	0	0	0
40°	192806	2675	0	0	0
45°	78085	1193	0	0	0
50°	8681	134	0	0	0
55°	661	0	60	0	0
60°	0	0	69	0	0
65°	0	0	204	0	0
70°	0	101	252	0	0
75°	0	133	466	0	0
80°	0	198	694	0	0
85°	0	395	1383	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 78085 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.5
10°-20°	26.2	10.3
20°-30°	91.7	36.1
30°-40°	102.3	40.3
40°-50°	30.9	12.2
50°-60°	1.0	0.4
60°-70°	0.1	0.1
70°-80°	0.2	0.1
80°-90°	0.2	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°	119.2	46.9
0°-40°	221.5	87.2
0°-60°	253.4	99.8
0°-90°	254.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	254.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	8	8	8	8	8	
5°	25	18	7	4	3	4
15°	474	59	3	0	0	157
25°	1225	123	0	0	0	559
35°	1206	49	0	0	0	724
45°	321	5	0	0	0	277
55°	2	0	0	0	0	7
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
2.5°	13.9	14.4	14.1	14.4	14.1	14.1	14.1	14.4	14.1	14.1	14.1
5°	25.1	25.3	25.3	25.1	25.1	25.5	25.1	25.3	24.6	25.1	24.8
7.5°	41.1	40.6	40.6	40.9	40.9	40.4	40.1	39.7	40.1	40.1	39.4
10°	78.1	77.6	76.4	75.9	76.4	76.4	74.0	74.4	74.7	72.5	71.8
12.5°	229.4	227.7	231.1	225.8	222.6	217.5	220.4	210.4	208.2	206.8	203.4
15°	473.7	486.6	481.0	481.5	482.4	470.3	474.4	459.3	446.7	442.8	440.1
17.5°	772.4	776.3	771.2	768.8	767.8	762.0	754.9	747.4	737.6	729.1	722.1
20°	1010.3	1007.4	998.7	999.6	989.2	983.8	977.7	970.2	962.7	950.3	938.3
21°	1073.1	1064.6	1064.8	1059.0	1058.8	1051.9	1041.2	1033.5	1026.6	1012.5	1005.0
22°	1124.7	1122.7	1118.4	1114.0	1109.4	1106.0	1094.0	1090.1	1076.3	1064.6	1053.9
23°	1164.8	1165.6	1161.7	1158.8	1152.4	1151.0	1135.6	1130.3	1120.8	1103.0	1092.1
24°	1198.2	1196.9	1192.6	1187.5	1183.8	1180.4	1168.7	1160.0	1149.5	1134.9	1124.2
25°	1224.9	1222.0	1219.1	1215.2	1209.4	1205.5	1193.5	1183.8	1174.8	1158.5	1143.9
26°	1240.7	1241.5	1236.8	1233.9	1228.8	1224.9	1212.5	1201.1	1189.9	1172.4	1159.2
27°	1256.8	1256.1	1251.9	1247.5	1242.2	1240.7	1226.4	1214.5	1203.0	1184.5	1169.0
28°	1271.6	1269.7	1266.3	1261.2	1255.3	1251.0	1237.1	1224.7	1212.3	1192.6	1175.5
29°	1284.0	1282.1	1279.9	1273.3	1265.8	1262.9	1248.0	1233.0	1220.5	1200.4	1182.3
30°	1295.7	1292.1	1287.0	1281.4	1274.1	1268.5	1252.9	1239.8	1225.2	1202.8	1185.5
31°	1296.2	1291.3	1287.7	1281.9	1273.6	1266.8	1250.5	1237.1	1220.1	1199.1	1180.4
32°	1287.7	1285.3	1279.4	1273.1	1265.1	1258.3	1240.2	1226.1	1210.1	1187.7	1169.0
33°	1268.5	1266.0	1262.6	1256.1	1245.6	1239.3	1223.2	1207.7	1191.8	1171.6	1150.2
34°	1242.0	1239.0	1234.7	1228.1	1217.4	1210.8	1197.9	1181.9	1165.1	1144.2	1124.2
35°	1206.4	1200.8	1199.6	1189.9	1179.9	1178.2	1162.9	1146.1	1129.1	1106.0	1088.7
36°	1162.4	1155.8	1151.5	1148.0	1141.5	1133.4	1118.4	1105.0	1083.1	1068.2	1043.9
37°	1102.3	1094.3	1098.4	1089.2	1079.0	1075.5	1056.3	1044.2	1025.7	1005.5	984.8
38°	1032.2	1031.5	1030.5	1026.4	1008.9	999.9	991.9	979.0	962.9	938.6	910.6
39°	943.7	945.1	940.0	940.5	931.8	922.8	911.6	897.0	877.5	855.4	832.8
40°	857.6	836.9	840.5	828.1	828.9	815.5	800.9	788.0	775.6	756.1	725.2
42.5°	593.4	590.2	579.3	571.5	574.9	557.6	538.4	520.4	503.1	481.2	454.2
45°	320.6	313.3	315.5	302.9	302.9	295.1	289.7	274.7	258.6	248.6	233.1
47.5°	119.2	120.7	123.3	118.2	112.4	115.8	110.7	110.7	108.0	104.9	100.5
50°	32.4	32.8	32.4	32.4	31.6	31.1	30.2	29.9	29.7	29.0	27.7
52.5°	13.1	12.4	12.4	12.7	12.7	12.2	12.4	12.4	12.2	11.9	11.9
55°	2.2	2.4	2.4	2.4	2.4	2.2	2.2	2.4	2.7	2.4	2.4
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0
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	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
2.5°	13.6	11.9	10.0	8.3	6.6	5.6	5.1	5.4
5°	23.1	17.5	11.4	7.3	5.1	3.9	3.2	2.9
7.5°	35.5	24.1	12.9	6.3	3.9	1.9	1.2	1.0
10°	54.5	31.4	13.9	5.4	2.4	0.5	0.0	0.0
12.5°	139.9	38.4	14.1	4.4	1.0	0.0	0.0	0.0
15°	287.6	58.6	13.6	3.2	0.2	0.0	0.0	0.0
17.5°	478.0	89.8	11.9	2.2	0.0	0.0	0.0	0.0
20°	663.2	111.2	9.5	1.0	0.0	0.0	0.0	0.0
21°	718.9	117.5	8.5	0.7	0.0	0.0	0.0	0.0
22°	764.4	122.1	7.5	0.5	0.0	0.0	0.0	0.0
23°	802.3	124.6	6.6	0.2	0.0	0.0	0.0	0.0
24°	828.9	125.0	6.1	0.2	0.0	0.0	0.0	0.0
25°	841.5	123.3	5.4	0.0	0.0	0.0	0.0	0.0
26°	846.4	119.9	4.9	0.0	0.0	0.0	0.0	0.0
27°	842.7	115.6	4.4	0.0	0.0	0.0	0.0	0.0
28°	836.2	109.0	3.6	0.0	0.0	0.0	0.0	0.0
29°	823.3	100.2	3.2	0.0	0.0	0.0	0.0	0.0
30°	810.9	91.2	2.7	0.0	0.0	0.0	0.0	0.0
31°	796.7	83.2	2.2	0.0	0.0	0.0	0.0	0.0
32°	779.5	74.0	1.7	0.0	0.0	0.0	0.0	0.0
33°	750.8	65.4	1.2	0.0	0.0	0.0	0.0	0.0
34°	710.6	57.4	1.0	0.0	0.0	0.0	0.0	0.0
35°	656.9	48.9	0.7	0.0	0.0	0.0	0.0	0.0
36°	598.0	39.9	0.5	0.0	0.0	0.0	0.0	0.0
37°	526.0	29.0	0.5	0.0	0.0	0.0	0.0	0.0
38°	450.8	18.2	0.2	0.0	0.0	0.0	0.0	0.0
39°	373.9	13.9	0.2	0.0	0.0	0.0	0.0	0.0
40°	303.6	11.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	162.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	95.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	53.5	1.9	0.0	0.0	0.0	0.0	0.0	0.0
50°	19.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2.7	0.0	0.0	0.2	0.0	0.0	0.0	0.0
57.5°	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.2	0.5	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.5	0.5	0.2	0.0	0.0	0.0
67.5°	0.0	0.2	0.5	0.5	0.2	0.0	0.0	0.0
70°	0.0	0.2	0.5	0.5	0.2	0.0	0.0	0.0
72.5°	0.0	0.2	0.5	0.7	0.2	0.0	0.0	0.0
75°	0.0	0.2	0.5	0.7	0.2	0.0	0.0	0.0
77.5°	0.0	0.2	0.5	0.7	0.2	0.0	0.0	0.0
80°	0.0	0.2	0.5	0.7	0.2	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.2	0.5	0.7	0.2	0.0	0.0	0.0
85°	0.0	0.2	0.5	0.7	0.2	0.0	0.0	0.0
87.5°	0.0	0.2	0.5	0.7	0.2	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)