

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: P1308611

Luminaire Tested: P3SQAS02R259035DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308611
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: P3SQAS02R259035DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

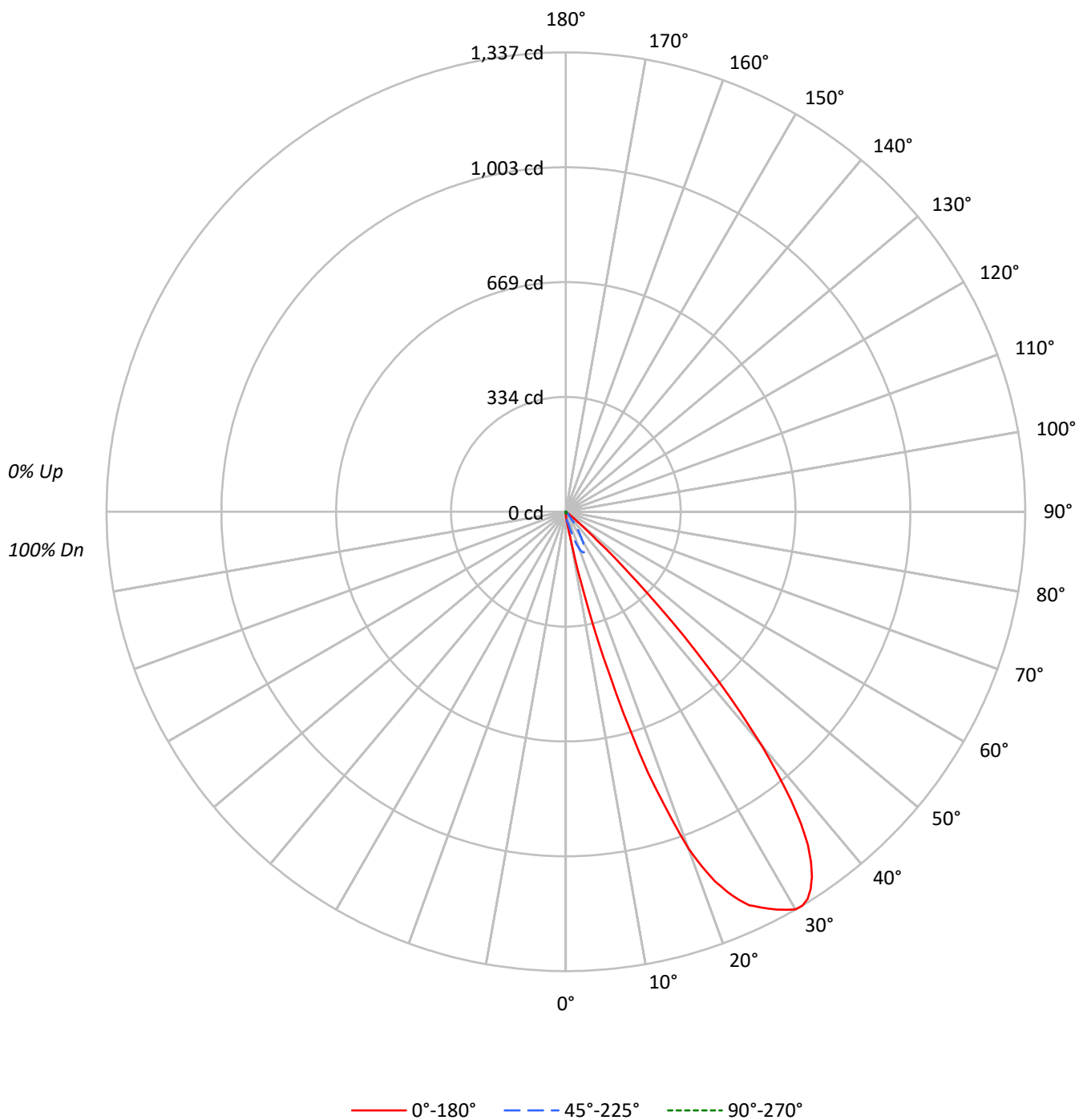
Lumens per Lamp: N/A
Luminaire Lumens: 262.1 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	91	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	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1429	1429	1429	1429	1429
5°	4460	3129	1297	692	519
10°	14095	5666	962	87	0
15°	87116	10787	588	0	0
20°	191010	21022	183	0	0
25°	240099	24171	0	0	0
30°	265784	18713	0	0	0
35°	261629	10596	0	0	0
40°	198876	2765	0	0	0
45°	80545	1218	0	0	0
50°	8949	134	0	0	0
55°	691	0	90	0	0
60°	0	0	103	0	0
65°	0	0	204	0	0
70°	0	151	252	0	0
75°	0	200	532	0	0
80°	0	298	793	0	0
85°	0	593	1581	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 80545 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.5
10°-20°	27.1	10.3
20°-30°	94.6	36.1
30°-40°	105.5	40.3
40°-50°	31.9	12.2
50°-60°	1.1	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°	123.0	46.9
0°-40°	228.5	87.2
0°-60°	261.4	99.8
0°-90°	262.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	262.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	8	8	8	8	8	
5°	26	18	8	4	3	4
15°	489	60	3	0	0	162
25°	1264	127	0	0	0	576
35°	1244	50	0	0	0	747
45°	331	5	0	0	0	286
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°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
2.5°	14.3	14.8	14.6	14.8	14.6	14.6	14.6	14.8	14.6	14.6	14.6
5°	25.8	26.1	26.1	25.8	25.8	26.3	25.8	26.1	25.3	25.8	25.6
7.5°	42.4	41.9	41.9	42.2	42.2	41.7	41.4	40.9	41.4	41.4	40.7
10°	80.6	80.1	78.8	78.3	78.8	78.8	76.3	76.8	77.0	74.8	74.0
12.5°	236.6	234.9	238.4	232.9	229.6	224.3	227.4	217.1	214.8	213.3	209.8
15°	488.6	501.9	496.1	496.6	497.6	485.1	489.3	473.8	460.7	456.7	454.0
17.5°	796.7	800.8	795.5	793.0	792.0	786.0	778.7	770.9	760.9	752.1	744.8
20°	1042.2	1039.2	1030.1	1031.1	1020.3	1014.8	1008.5	1000.8	993.0	980.2	967.9
21°	1106.9	1098.1	1098.4	1092.4	1092.1	1085.1	1074.0	1066.0	1059.0	1044.4	1036.6
22°	1160.1	1158.1	1153.6	1149.1	1144.3	1140.8	1128.5	1124.5	1110.2	1098.1	1087.1
23°	1201.5	1202.3	1198.3	1195.2	1188.7	1187.2	1171.4	1165.9	1156.1	1137.8	1126.5
24°	1235.9	1234.6	1230.1	1224.9	1221.1	1217.6	1205.5	1196.5	1185.7	1170.7	1159.6
25°	1263.5	1260.5	1257.5	1253.5	1247.4	1243.4	1231.1	1221.1	1211.8	1195.0	1179.9
26°	1279.8	1280.6	1275.8	1272.8	1267.5	1263.5	1250.7	1238.9	1227.4	1209.3	1195.7
27°	1296.4	1295.6	1291.4	1286.8	1281.3	1279.8	1265.0	1252.7	1240.9	1221.8	1205.8
28°	1311.7	1309.7	1306.2	1300.9	1294.9	1290.4	1276.1	1263.3	1250.5	1230.1	1212.6
29°	1324.5	1322.5	1320.2	1313.4	1305.7	1302.7	1287.3	1271.8	1259.0	1238.2	1219.6
30°	1336.5	1332.8	1327.5	1321.7	1314.2	1308.4	1292.4	1278.8	1263.8	1240.7	1222.9
31°	1337.0	1332.0	1328.2	1322.2	1313.7	1306.7	1289.9	1276.1	1258.5	1236.9	1217.6
32°	1328.2	1325.7	1319.7	1313.2	1304.9	1297.9	1279.3	1264.8	1248.2	1225.1	1205.8
33°	1308.4	1305.9	1302.4	1295.6	1284.8	1278.3	1261.7	1245.7	1229.4	1208.5	1186.5
34°	1281.1	1278.1	1273.5	1266.8	1255.7	1248.9	1235.6	1219.1	1201.8	1180.2	1159.6
35°	1244.4	1238.7	1237.4	1227.4	1217.1	1215.3	1199.5	1182.2	1164.6	1140.8	1123.0
36°	1199.0	1192.2	1187.7	1184.2	1177.4	1169.1	1153.6	1139.8	1117.2	1101.9	1076.8
37°	1137.0	1128.7	1133.0	1123.5	1112.9	1109.4	1089.6	1077.1	1058.0	1037.2	1015.8
38°	1064.8	1064.0	1063.0	1058.7	1040.7	1031.4	1023.1	1009.8	993.2	968.1	939.3
39°	973.4	974.9	969.6	970.1	961.1	951.8	940.3	925.2	905.2	882.3	859.0
40°	884.6	863.2	867.0	854.2	855.0	841.2	826.1	812.8	800.0	779.9	748.1
42.5°	612.1	608.8	597.5	589.5	593.0	575.2	555.3	536.8	519.0	496.4	468.5
45°	330.7	323.2	325.5	312.4	312.4	304.4	298.9	283.3	266.8	256.5	240.4
47.5°	123.0	124.5	127.2	122.0	115.9	119.4	114.2	114.2	111.4	108.2	103.6
50°	33.4	33.9	33.4	33.4	32.6	32.1	31.1	30.9	30.6	29.9	28.6
52.5°	13.6	12.8	12.8	13.0	13.0	12.5	12.8	12.8	12.5	12.3	12.3
55°	2.3	2.5	2.5	2.5	2.5	2.3	2.3	2.5	2.8	2.5	2.5
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°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
2.5°	14.1	12.3	10.3	8.5	6.8	5.8	5.3	5.5
5°	23.8	18.1	11.8	7.5	5.3	4.0	3.3	3.0
7.5°	36.6	24.8	13.3	6.5	4.0	2.0	1.3	1.0
10°	56.2	32.4	14.3	5.5	2.5	0.5	0.0	0.0
12.5°	144.3	39.6	14.6	4.5	1.0	0.0	0.0	0.0
15°	296.6	60.5	14.1	3.3	0.3	0.0	0.0	0.0
17.5°	493.1	92.6	12.3	2.3	0.0	0.0	0.0	0.0
20°	684.1	114.7	9.8	1.0	0.0	0.0	0.0	0.0
21°	741.5	121.2	8.8	0.8	0.0	0.0	0.0	0.0
22°	788.5	126.0	7.8	0.5	0.0	0.0	0.0	0.0
23°	827.6	128.5	6.8	0.3	0.0	0.0	0.0	0.0
24°	855.0	129.0	6.3	0.3	0.0	0.0	0.0	0.0
25°	868.0	127.2	5.5	0.0	0.0	0.0	0.0	0.0
26°	873.0	123.7	5.0	0.0	0.0	0.0	0.0	0.0
27°	869.3	119.2	4.5	0.0	0.0	0.0	0.0	0.0
28°	862.5	112.4	3.8	0.0	0.0	0.0	0.0	0.0
29°	849.2	103.4	3.3	0.0	0.0	0.0	0.0	0.0
30°	836.4	94.1	2.8	0.0	0.0	0.0	0.0	0.0
31°	821.8	85.8	2.3	0.0	0.0	0.0	0.0	0.0
32°	804.0	76.3	1.8	0.0	0.0	0.0	0.0	0.0
33°	774.4	67.5	1.3	0.0	0.0	0.0	0.0	0.0
34°	733.0	59.2	1.0	0.0	0.0	0.0	0.0	0.0
35°	677.5	50.4	0.8	0.0	0.0	0.0	0.0	0.0
36°	616.8	41.2	0.5	0.0	0.0	0.0	0.0	0.0
37°	542.5	29.9	0.5	0.0	0.0	0.0	0.0	0.0
38°	465.0	18.8	0.3	0.0	0.0	0.0	0.0	0.0
39°	385.7	14.3	0.3	0.0	0.0	0.0	0.0	0.0
40°	313.2	12.3	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	167.6	8.3	0.0	0.0	0.0	0.0	0.0	0.0
45°	98.9	5.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	55.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	19.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2.8	0.0	0.0	0.3	0.0	0.0	0.0	0.0
57.5°	0.3	0.0	0.3	0.3	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.3	0.5	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.5	0.5	0.3	0.0	0.0	0.0
67.5°	0.0	0.3	0.5	0.5	0.3	0.0	0.0	0.0
70°	0.0	0.3	0.5	0.5	0.3	0.0	0.0	0.0
72.5°	0.0	0.3	0.5	0.8	0.3	0.0	0.0	0.0
75°	0.0	0.3	0.5	0.8	0.3	0.0	0.0	0.0
77.5°	0.0	0.3	0.5	0.8	0.3	0.0	0.0	0.0
80°	0.0	0.3	0.5	0.8	0.3	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	0.3	0.5	0.8	0.3	0.0	0.0	0.0
85°	0.0	0.3	0.5	0.8	0.3	0.0	0.0	0.0
87.5°	0.0	0.3	0.5	0.8	0.3	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)