

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: P1312895

Luminaire Tested: P3SQAS02R259730DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312895
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: P3SQAS02R259730DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

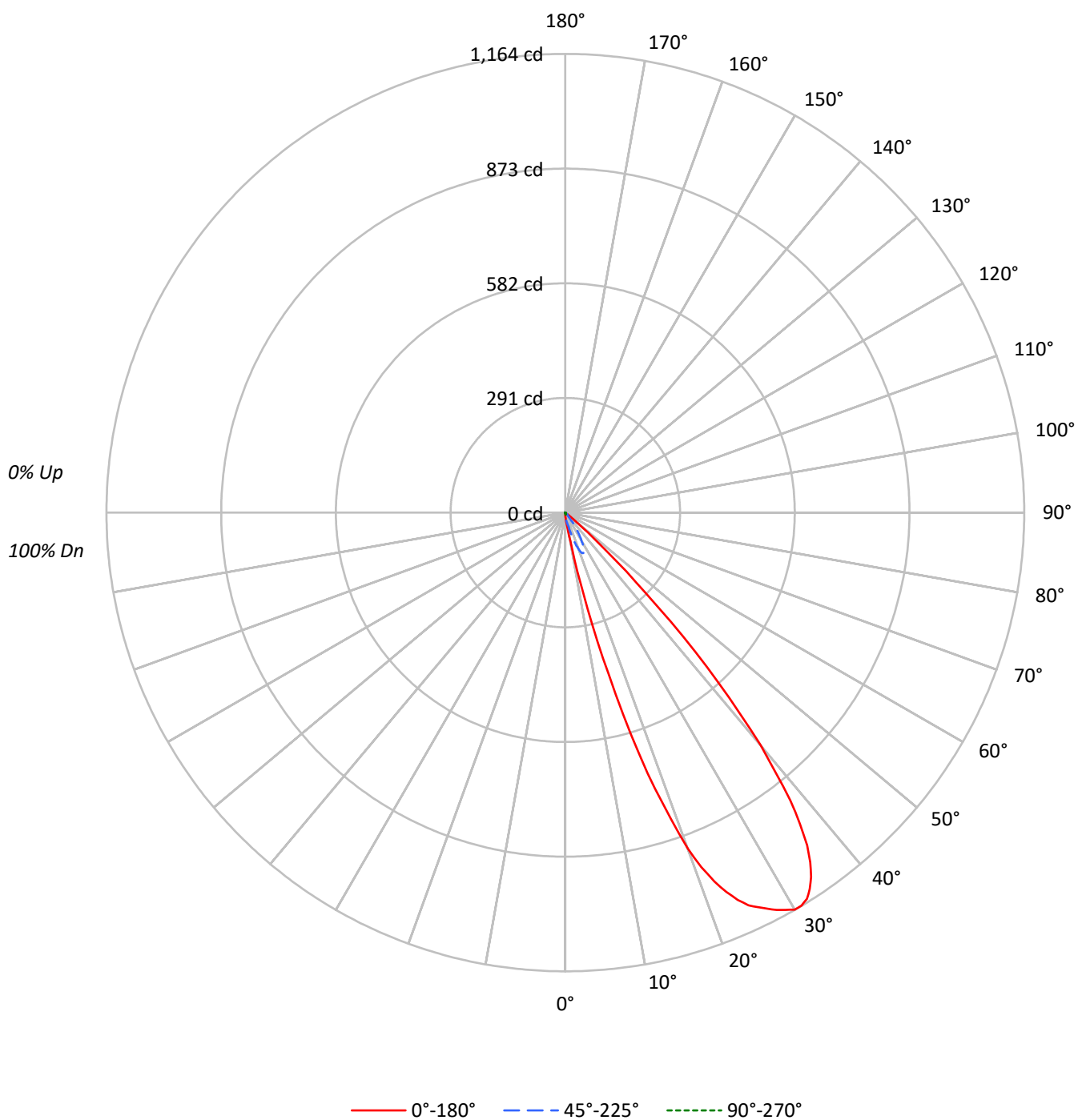
Lumens per Lamp: N/A
Luminaire Lumens: 228.0 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1240	1240	1240	1240	1240
5°	3890	2714	1141	605	449
10°	12259	4932	839	70	0
15°	75812	9378	499	0	0
20°	166213	18291	165	0	0
25°	208934	21036	0	0	0
30°	231301	16287	0	0	0
35°	227674	9230	0	0	0
40°	173067	2406	0	0	0
45°	70096	1072	0	0	0
50°	7770	107	0	0	0
55°	601	0	60	0	0
60°	0	0	69	0	0
65°	0	0	163	0	0
70°	0	101	201	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: 70096 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.5
10°-20°	23.5	10.3
20°-30°	82.3	36.1
30°-40°	91.8	40.3
40°-50°	27.7	12.2
50°-60°	0.9	0.4
60°-70°	0.1	0.0
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°	107.0	46.9
0°-40°	198.8	87.2
0°-60°	227.5	99.8
0°-90°	228.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	228.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	22	16	7	4	3	3
15°	425	53	3	0	0	141
25°	1100	111	0	0	0	502
35°	1083	44	0	0	0	650
45°	288	4	0	0	0	249
55°	2	0	0	0	0	6
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°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
2.5°	12.4	12.9	12.7	12.9	12.7	12.7	12.7	12.9	12.7	12.7	12.7
5°	22.5	22.7	22.7	22.5	22.5	22.9	22.5	22.7	22.1	22.5	22.3
7.5°	36.9	36.5	36.5	36.7	36.7	36.3	36.0	35.6	36.0	36.0	35.4
10°	70.1	69.7	68.6	68.1	68.6	68.6	66.4	66.8	67.0	65.1	64.4
12.5°	205.9	204.4	207.5	202.7	199.8	195.2	197.9	188.9	186.9	185.6	182.6
15°	425.2	436.8	431.7	432.2	433.0	422.1	425.8	412.3	400.9	397.4	395.0
17.5°	693.4	696.8	692.3	690.1	689.2	684.0	677.6	670.9	662.1	654.5	648.1
20°	906.9	904.3	896.4	897.3	887.9	883.1	877.7	870.9	864.1	853.0	842.3
21°	963.3	955.6	955.8	950.6	950.4	944.3	934.7	927.7	921.6	908.9	902.1
22°	1009.6	1007.8	1003.9	1000.0	995.8	992.8	982.0	978.6	966.1	955.6	946.0
23°	1045.6	1046.3	1042.8	1040.1	1034.5	1033.2	1019.4	1014.6	1006.1	990.1	980.3
24°	1075.5	1074.4	1070.5	1065.9	1062.6	1059.6	1049.1	1041.2	1031.8	1018.7	1009.1
25°	1099.5	1096.9	1094.3	1090.8	1085.6	1082.1	1071.4	1062.6	1054.6	1039.9	1026.8
26°	1113.7	1114.4	1110.2	1107.6	1103.0	1099.5	1088.4	1078.1	1068.1	1052.4	1040.6
27°	1128.1	1127.5	1123.8	1119.8	1115.0	1113.7	1100.8	1090.1	1079.9	1063.3	1049.3
28°	1141.5	1139.7	1136.7	1132.1	1126.8	1122.9	1110.5	1099.3	1088.2	1070.5	1055.2
29°	1152.6	1150.9	1148.9	1143.0	1136.2	1133.6	1120.3	1106.7	1095.6	1077.5	1061.3
30°	1163.1	1159.8	1155.2	1150.2	1143.6	1138.6	1124.7	1112.9	1099.8	1079.7	1064.2
31°	1163.5	1159.2	1155.9	1150.6	1143.2	1137.1	1122.5	1110.5	1095.2	1076.4	1059.6
32°	1155.9	1153.7	1148.5	1142.8	1135.6	1129.5	1113.3	1100.6	1086.2	1066.1	1049.3
33°	1138.6	1136.4	1133.4	1127.5	1118.1	1112.4	1098.0	1084.0	1069.8	1051.7	1032.5
34°	1114.8	1112.2	1108.3	1102.4	1092.8	1086.9	1075.3	1060.9	1045.8	1027.0	1009.1
35°	1082.9	1077.9	1076.8	1068.1	1059.1	1057.6	1043.9	1028.8	1013.5	992.8	977.2
36°	1043.4	1037.5	1033.6	1030.5	1024.6	1017.4	1003.9	991.9	972.2	958.9	937.1
37°	989.5	982.3	986.0	977.7	968.5	965.5	948.2	937.3	920.7	902.6	884.0
38°	926.6	925.9	925.1	921.3	905.6	897.5	890.3	878.8	864.3	842.5	817.4
39°	847.1	848.4	843.8	844.3	836.4	828.3	818.3	805.2	787.7	767.8	747.5
40°	769.8	751.2	754.5	743.4	744.0	732.0	718.9	707.3	696.2	678.7	651.0
42.5°	532.6	529.8	520.0	513.0	516.0	500.5	483.3	467.1	451.6	432.0	407.7
45°	287.8	281.3	283.2	271.9	271.9	264.9	260.1	246.5	232.1	223.2	209.2
47.5°	107.0	108.3	110.7	106.1	100.9	103.9	99.4	99.4	97.0	94.1	90.2
50°	29.0	29.5	29.0	29.0	28.4	28.0	27.1	26.9	26.6	26.0	24.9
52.5°	11.8	11.1	11.1	11.4	11.4	10.9	11.1	11.1	10.9	10.7	10.7
55°	2.0	2.2	2.2	2.2	2.2	2.0	2.0	2.2	2.4	2.2	2.2
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°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
2.5°	12.2	10.7	9.0	7.4	5.9	5.0	4.6	4.8
5°	20.7	15.7	10.3	6.6	4.6	3.5	2.8	2.6
7.5°	31.9	21.6	11.6	5.7	3.5	1.7	1.1	0.9
10°	48.9	28.2	12.4	4.8	2.2	0.4	0.0	0.0
12.5°	125.6	34.5	12.7	3.9	0.9	0.0	0.0	0.0
15°	258.1	52.6	12.2	2.8	0.2	0.0	0.0	0.0
17.5°	429.1	80.6	10.7	2.0	0.0	0.0	0.0	0.0
20°	595.3	99.8	8.5	0.9	0.0	0.0	0.0	0.0
21°	645.3	105.5	7.6	0.7	0.0	0.0	0.0	0.0
22°	686.1	109.6	6.8	0.4	0.0	0.0	0.0	0.0
23°	720.2	111.8	5.9	0.2	0.0	0.0	0.0	0.0
24°	744.0	112.2	5.5	0.2	0.0	0.0	0.0	0.0
25°	755.4	110.7	4.8	0.0	0.0	0.0	0.0	0.0
26°	759.7	107.7	4.4	0.0	0.0	0.0	0.0	0.0
27°	756.5	103.7	3.9	0.0	0.0	0.0	0.0	0.0
28°	750.6	97.8	3.3	0.0	0.0	0.0	0.0	0.0
29°	739.0	90.0	2.8	0.0	0.0	0.0	0.0	0.0
30°	727.9	81.9	2.4	0.0	0.0	0.0	0.0	0.0
31°	715.2	74.7	2.0	0.0	0.0	0.0	0.0	0.0
32°	699.7	66.4	1.5	0.0	0.0	0.0	0.0	0.0
33°	673.9	58.7	1.1	0.0	0.0	0.0	0.0	0.0
34°	637.9	51.5	0.9	0.0	0.0	0.0	0.0	0.0
35°	589.6	43.9	0.7	0.0	0.0	0.0	0.0	0.0
36°	536.8	35.8	0.4	0.0	0.0	0.0	0.0	0.0
37°	472.1	26.0	0.4	0.0	0.0	0.0	0.0	0.0
38°	404.7	16.4	0.2	0.0	0.0	0.0	0.0	0.0
39°	335.6	12.4	0.2	0.0	0.0	0.0	0.0	0.0
40°	272.5	10.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	145.9	7.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	86.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	48.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0
50°	17.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2.4	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	0.4	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.4	0.4	0.2	0.0	0.0	0.0
67.5°	0.0	0.2	0.4	0.4	0.2	0.0	0.0	0.0
70°	0.0	0.2	0.4	0.4	0.2	0.0	0.0	0.0
72.5°	0.0	0.2	0.4	0.7	0.2	0.0	0.0	0.0
75°	0.0	0.2	0.4	0.7	0.2	0.0	0.0	0.0
77.5°	0.0	0.2	0.4	0.7	0.2	0.0	0.0	0.0
80°	0.0	0.2	0.4	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	0.4	0.7	0.2	0.0	0.0	0.0
85°	0.0	0.2	0.4	0.7	0.2	0.0	0.0	0.0
87.5°	0.0	0.2	0.4	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)