

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: P1313867

Luminaire Tested: P3SQAS02R259735DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313867
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: P3SQAS02R259735DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

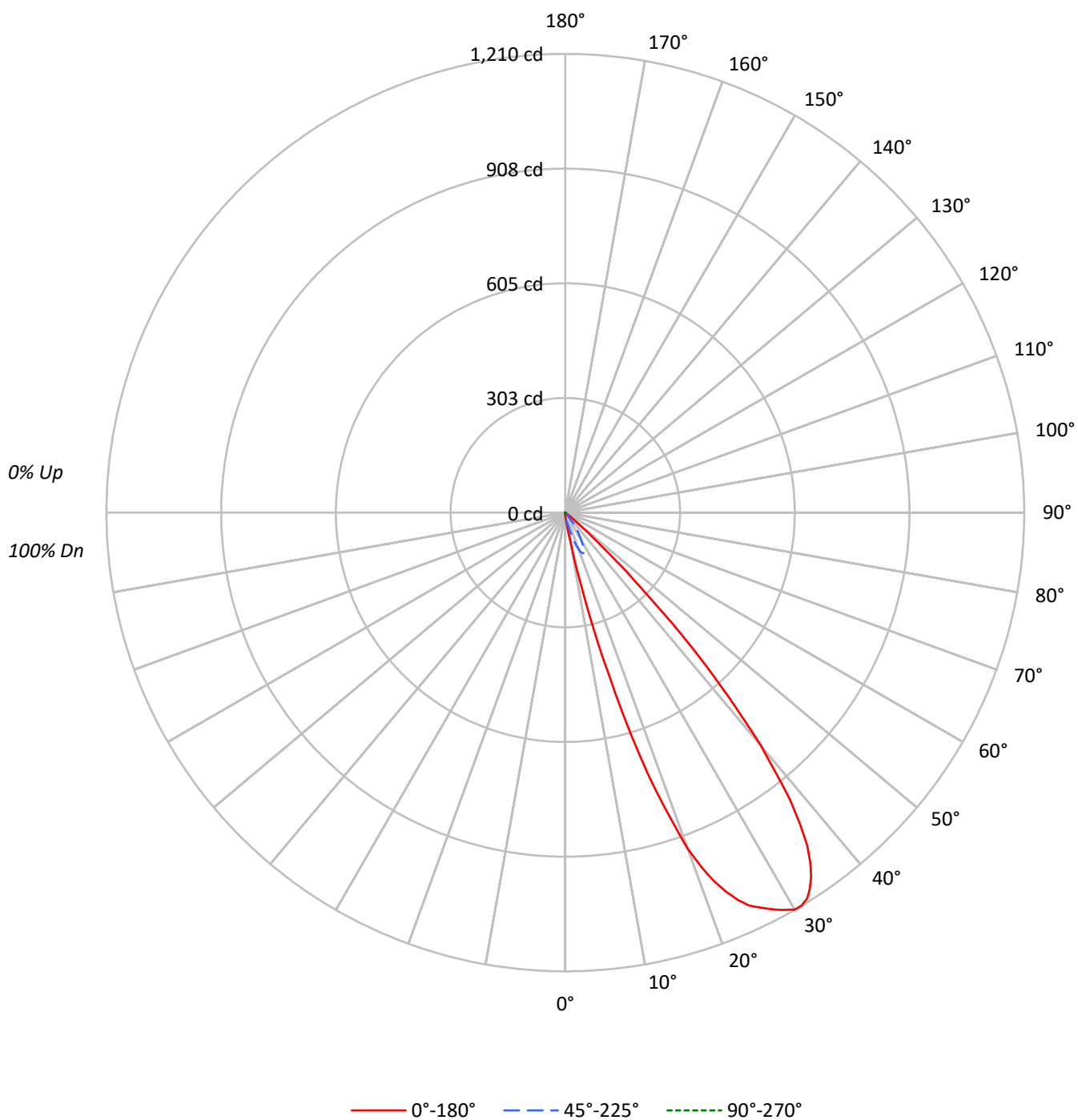
Lumens per Lamp: N/A
Luminaire Lumens: 237.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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°	1292	1292	1292	1292	1292
5°	4045	2818	1176	622	467
10°	12749	5124	874	87	0
15°	78808	9753	535	0	0
20°	172774	19006	165	0	0
25°	217181	21872	0	0	0
30°	240428	16923	0	0	0
35°	236673	9587	0	0	0
40°	179902	2496	0	0	0
45°	72873	1096	0	0	0
50°	8092	134	0	0	0
55°	601	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: 72873 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.5
10°-20°	24.5	10.3
20°-30°	85.6	36.1
30°-40°	95.5	40.3
40°-50°	28.8	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°	111.2	46.9
0°-40°	206.7	87.2
0°-60°	236.5	99.8
0°-90°	237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	237.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	8	8	8	8	8	
5°	23	16	7	4	3	4
15°	442	55	3	0	0	147
25°	1143	115	0	0	0	521
35°	1126	46	0	0	0	676
45°	299	4	0	0	0	258
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°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
2.5°	12.9	13.4	13.2	13.4	13.2	13.2	13.2	13.4	13.2	13.2	13.2
5°	23.4	23.6	23.6	23.4	23.4	23.8	23.4	23.6	22.9	23.4	23.2
7.5°	38.4	37.9	37.9	38.1	38.1	37.7	37.5	37.0	37.5	37.5	36.8
10°	72.9	72.4	71.3	70.8	71.3	71.3	69.0	69.5	69.7	67.6	67.0
12.5°	214.1	212.5	215.6	210.7	207.7	202.9	205.7	196.4	194.3	192.9	189.8
15°	442.0	454.0	448.8	449.2	450.1	438.8	442.6	428.6	416.8	413.1	410.6
17.5°	720.7	724.4	719.6	717.3	716.4	711.0	704.4	697.3	688.3	680.3	673.7
20°	942.7	940.0	931.8	932.7	923.0	918.0	912.3	905.3	898.2	886.7	875.5
21°	1001.3	993.3	993.6	988.1	987.9	981.5	971.6	964.3	957.9	944.8	937.7
22°	1049.4	1047.6	1043.5	1039.4	1035.1	1031.9	1020.8	1017.2	1004.2	993.3	983.4
23°	1086.9	1087.6	1083.9	1081.2	1075.3	1073.9	1059.6	1054.6	1045.8	1029.2	1019.0
24°	1118.0	1116.8	1112.7	1108.0	1104.6	1101.4	1090.5	1082.3	1072.6	1059.0	1049.0
25°	1142.9	1140.2	1137.5	1133.9	1128.4	1124.8	1113.7	1104.6	1096.2	1081.0	1067.3
26°	1157.7	1158.4	1154.1	1151.3	1146.6	1142.9	1131.4	1120.7	1110.3	1093.9	1081.7
27°	1172.7	1172.0	1168.1	1164.1	1159.1	1157.7	1144.3	1133.2	1122.5	1105.3	1090.7
28°	1186.5	1184.7	1181.5	1176.8	1171.3	1167.2	1154.3	1142.7	1131.1	1112.7	1096.9
29°	1198.1	1196.3	1194.2	1188.1	1181.1	1178.4	1164.5	1150.4	1138.9	1120.0	1103.2
30°	1209.0	1205.6	1200.8	1195.6	1188.8	1183.6	1169.0	1156.8	1143.2	1122.3	1106.2
31°	1209.5	1204.9	1201.5	1196.1	1188.3	1182.0	1166.8	1154.3	1138.4	1118.9	1101.4
32°	1201.5	1199.2	1193.8	1187.9	1180.4	1174.0	1157.2	1144.1	1129.1	1108.2	1090.7
33°	1183.6	1181.3	1178.1	1172.0	1162.2	1156.3	1141.4	1126.8	1112.1	1093.2	1073.3
34°	1158.8	1156.1	1152.0	1145.9	1135.9	1129.8	1117.7	1102.8	1087.1	1067.6	1049.0
35°	1125.7	1120.5	1119.3	1110.3	1100.9	1099.4	1085.1	1069.4	1053.5	1031.9	1015.8
36°	1084.6	1078.5	1074.4	1071.2	1065.1	1057.6	1043.5	1031.0	1010.6	996.8	974.1
37°	1028.5	1021.0	1024.9	1016.3	1006.7	1003.6	985.6	974.3	957.0	938.2	918.9
38°	963.2	962.5	961.6	957.7	941.4	933.0	925.5	913.4	898.5	875.8	849.7
39°	880.5	881.9	877.1	877.6	869.4	861.0	850.6	836.9	818.8	798.1	777.0
40°	800.2	780.9	784.3	772.7	773.4	760.9	747.3	735.2	723.7	705.5	676.7
42.5°	553.7	550.7	540.5	533.2	536.4	520.3	502.3	485.6	469.4	449.0	423.8
45°	299.2	292.4	294.4	282.6	282.6	275.3	270.4	256.3	241.3	232.0	217.5
47.5°	111.2	112.6	115.1	110.3	104.9	108.1	103.3	103.3	100.8	97.8	93.8
50°	30.2	30.6	30.2	30.2	29.5	29.1	28.1	27.9	27.7	27.0	25.9
52.5°	12.3	11.6	11.6	11.8	11.8	11.3	11.6	11.6	11.3	11.1	11.1
55°	2.0	2.3	2.3	2.3	2.3	2.0	2.0	2.3	2.5	2.3	2.3
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°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
2.5°	12.7	11.1	9.3	7.7	6.1	5.2	4.8	5.0
5°	21.6	16.3	10.7	6.8	4.8	3.6	3.0	2.7
7.5°	33.1	22.5	12.0	5.9	3.6	1.8	1.1	0.9
10°	50.8	29.3	12.9	5.0	2.3	0.5	0.0	0.0
12.5°	130.5	35.9	13.2	4.1	0.9	0.0	0.0	0.0
15°	268.3	54.7	12.7	3.0	0.2	0.0	0.0	0.0
17.5°	446.1	83.8	11.1	2.0	0.0	0.0	0.0	0.0
20°	618.8	103.7	8.9	0.9	0.0	0.0	0.0	0.0
21°	670.8	109.6	7.9	0.7	0.0	0.0	0.0	0.0
22°	713.2	114.0	7.0	0.5	0.0	0.0	0.0	0.0
23°	748.6	116.2	6.1	0.2	0.0	0.0	0.0	0.0
24°	773.4	116.7	5.7	0.2	0.0	0.0	0.0	0.0
25°	785.2	115.1	5.0	0.0	0.0	0.0	0.0	0.0
26°	789.7	111.9	4.5	0.0	0.0	0.0	0.0	0.0
27°	786.3	107.8	4.1	0.0	0.0	0.0	0.0	0.0
28°	780.2	101.7	3.4	0.0	0.0	0.0	0.0	0.0
29°	768.2	93.5	3.0	0.0	0.0	0.0	0.0	0.0
30°	756.6	85.1	2.5	0.0	0.0	0.0	0.0	0.0
31°	743.4	77.6	2.0	0.0	0.0	0.0	0.0	0.0
32°	727.3	69.0	1.6	0.0	0.0	0.0	0.0	0.0
33°	700.5	61.1	1.1	0.0	0.0	0.0	0.0	0.0
34°	663.1	53.6	0.9	0.0	0.0	0.0	0.0	0.0
35°	612.9	45.6	0.7	0.0	0.0	0.0	0.0	0.0
36°	558.0	37.2	0.5	0.0	0.0	0.0	0.0	0.0
37°	490.8	27.0	0.5	0.0	0.0	0.0	0.0	0.0
38°	420.6	17.0	0.2	0.0	0.0	0.0	0.0	0.0
39°	348.9	12.9	0.2	0.0	0.0	0.0	0.0	0.0
40°	283.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	151.6	7.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	89.4	4.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	49.9	1.8	0.0	0.0	0.0	0.0	0.0	0.0
50°	17.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2.5	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)