

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: P1311924

Luminaire Tested: P3SQAS02R259727DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311924
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: P3SQAS02R259727DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

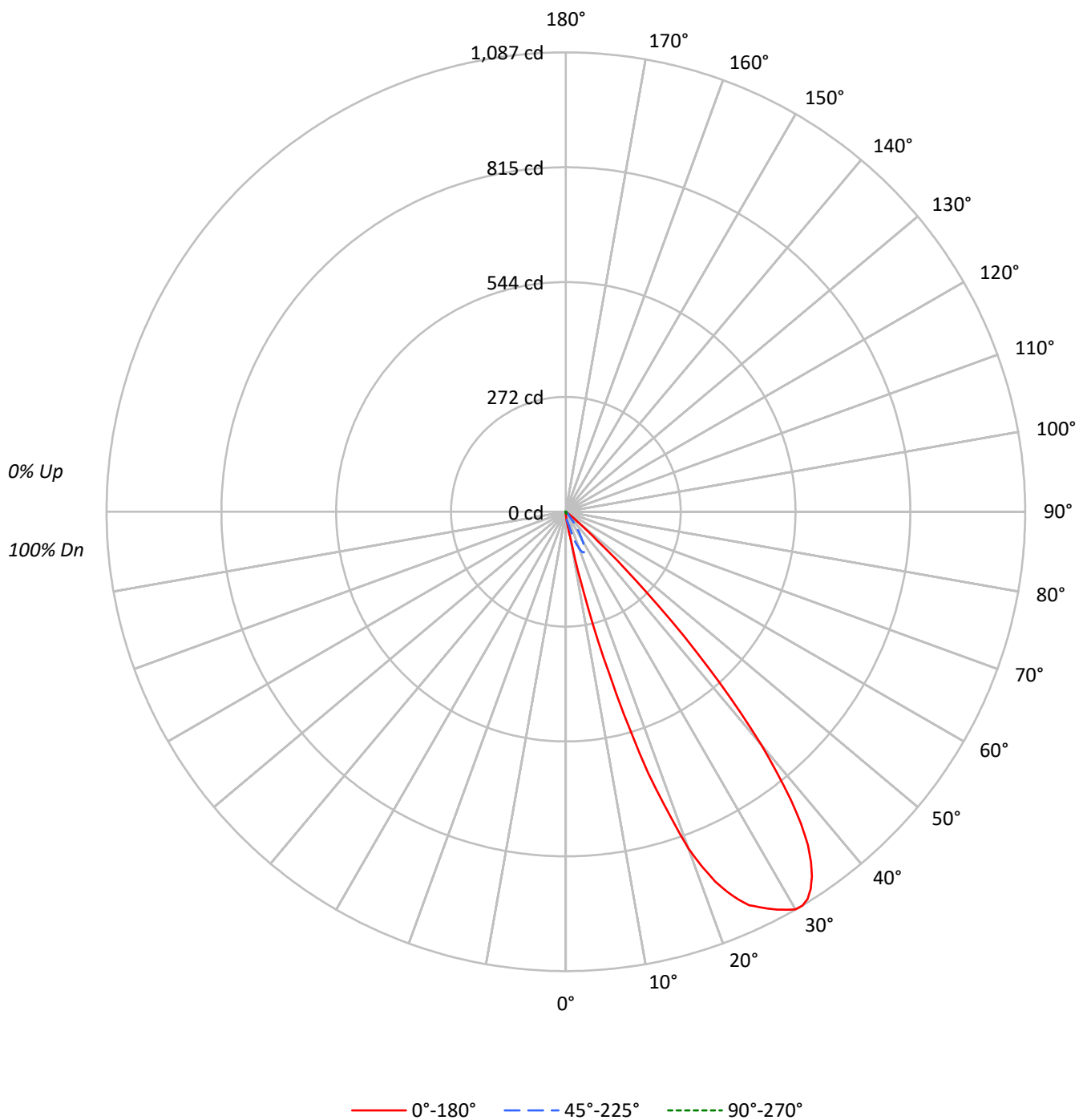
Lumens per Lamp: N/A
Luminaire Lumens: 213.0 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	1154	1154	1154	1154	1154
5°	3630	2541	1055	571	415
10°	11455	4599	787	70	0
15°	70820	8772	481	0	0
20°	155289	17081	147	0	0
25°	195195	19649	0	0	0
30°	216087	15213	0	0	0
35°	212705	8620	0	0	0
40°	161669	2248	0	0	0
45°	65493	999	0	0	0
50°	7261	107	0	0	0
55°	540	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	399	0	0
80°	0	198	595	0	0
85°	0	395	1186	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 65493 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.5
10°-20°	22.0	10.3
20°-30°	76.9	36.1
30°-40°	85.8	40.3
40°-50°	25.9	12.2
50°-60°	0.9	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°	100.0	46.9
0°-40°	185.8	87.2
0°-60°	212.5	99.8
0°-90°	213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	213.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	21	15	6	3	2	3
15°	397	49	3	0	0	132
25°	1027	103	0	0	0	469
35°	1012	41	0	0	0	607
45°	269	4	0	0	0	232
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°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
2.5°	11.6	12.0	11.8	12.0	11.8	11.8	11.8	12.0	11.8	11.8	11.8
5°	21.0	21.2	21.2	21.0	21.0	21.4	21.0	21.2	20.6	21.0	20.8
7.5°	34.5	34.1	34.1	34.3	34.3	33.9	33.7	33.3	33.7	33.7	33.0
10°	65.5	65.1	64.1	63.7	64.1	64.1	62.0	62.4	62.6	60.8	60.2
12.5°	192.4	191.0	193.8	189.3	186.7	182.4	184.8	176.5	174.6	173.4	170.6
15°	397.2	408.0	403.3	403.7	404.6	394.4	397.8	385.2	374.6	371.3	369.1
17.5°	647.7	651.0	646.7	644.7	643.9	639.0	633.0	626.7	618.6	611.4	605.5
20°	847.3	844.8	837.5	838.3	829.5	825.0	819.9	813.6	807.3	796.9	786.9
21°	899.9	892.8	893.0	888.1	887.9	882.1	873.2	866.6	860.9	849.1	842.8
22°	943.1	941.5	937.8	934.2	930.3	927.4	917.4	914.2	902.5	892.8	883.8
23°	976.8	977.4	974.2	971.7	966.4	965.2	952.3	947.8	939.9	925.0	915.8
24°	1004.8	1003.7	1000.1	995.8	992.7	989.9	980.1	972.7	964.0	951.7	942.7
25°	1027.2	1024.8	1022.3	1019.0	1014.1	1010.9	1000.9	992.7	985.2	971.5	959.3
26°	1040.5	1041.1	1037.2	1034.7	1030.5	1027.2	1016.8	1007.2	997.8	983.1	972.1
27°	1053.9	1053.3	1049.8	1046.2	1041.7	1040.5	1028.4	1018.4	1008.8	993.3	980.3
28°	1066.4	1064.7	1061.9	1057.6	1052.7	1049.0	1037.4	1027.0	1016.6	1000.1	985.8
29°	1076.8	1075.1	1073.3	1067.8	1061.5	1059.0	1046.6	1033.9	1023.5	1006.6	991.5
30°	1086.6	1083.5	1079.2	1074.5	1068.4	1063.7	1050.7	1039.6	1027.4	1008.6	994.1
31°	1087.0	1082.9	1079.8	1074.9	1068.0	1062.3	1048.6	1037.4	1023.1	1005.6	989.9
32°	1079.8	1077.8	1072.9	1067.6	1060.9	1055.1	1040.1	1028.2	1014.8	996.0	980.3
33°	1063.7	1061.7	1058.8	1053.3	1044.5	1039.2	1025.8	1012.7	999.5	982.5	964.6
34°	1041.5	1039.0	1035.4	1029.9	1020.9	1015.4	1004.6	991.1	977.0	959.5	942.7
35°	1011.7	1007.0	1006.0	997.8	989.5	988.0	975.2	961.1	946.8	927.4	913.0
36°	974.8	969.3	965.6	962.7	957.2	950.5	937.8	926.6	908.3	895.8	875.4
37°	924.4	917.6	921.1	913.4	904.8	901.9	885.8	875.6	860.1	843.2	825.8
38°	865.6	865.0	864.2	860.7	846.0	838.5	831.8	820.9	807.5	787.1	763.6
39°	791.4	792.6	788.3	788.7	781.4	773.8	764.4	752.2	735.9	717.3	698.3
40°	719.1	701.8	704.9	694.5	695.1	683.8	671.6	660.8	650.4	634.1	608.2
42.5°	497.6	494.9	485.8	479.2	482.1	467.6	451.5	436.4	421.9	403.5	380.9
45°	268.9	262.8	264.6	254.0	254.0	247.5	243.0	230.3	216.9	208.5	195.4
47.5°	100.0	101.2	103.4	99.1	94.3	97.1	92.8	92.8	90.6	87.9	84.3
50°	27.1	27.5	27.1	27.1	26.5	26.1	25.3	25.1	24.9	24.3	23.3
52.5°	11.0	10.4	10.4	10.6	10.6	10.2	10.4	10.4	10.2	10.0	10.0
55°	1.8	2.0	2.0	2.0	2.0	1.8	1.8	2.0	2.2	2.0	2.0
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°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
2.5°	11.4	10.0	8.4	6.9	5.5	4.7	4.3	4.5
5°	19.4	14.7	9.6	6.1	4.3	3.3	2.7	2.4
7.5°	29.8	20.2	10.8	5.3	3.3	1.6	1.0	0.8
10°	45.7	26.3	11.6	4.5	2.0	0.4	0.0	0.0
12.5°	117.3	32.2	11.8	3.7	0.8	0.0	0.0	0.0
15°	241.1	49.2	11.4	2.7	0.2	0.0	0.0	0.0
17.5°	400.9	75.3	10.0	1.8	0.0	0.0	0.0	0.0
20°	556.1	93.2	8.0	0.8	0.0	0.0	0.0	0.0
21°	602.9	98.5	7.1	0.6	0.0	0.0	0.0	0.0
22°	641.0	102.4	6.3	0.4	0.0	0.0	0.0	0.0
23°	672.8	104.5	5.5	0.2	0.0	0.0	0.0	0.0
24°	695.1	104.9	5.1	0.2	0.0	0.0	0.0	0.0
25°	705.7	103.4	4.5	0.0	0.0	0.0	0.0	0.0
26°	709.8	100.6	4.1	0.0	0.0	0.0	0.0	0.0
27°	706.7	96.9	3.7	0.0	0.0	0.0	0.0	0.0
28°	701.2	91.4	3.1	0.0	0.0	0.0	0.0	0.0
29°	690.4	84.1	2.7	0.0	0.0	0.0	0.0	0.0
30°	680.0	76.5	2.2	0.0	0.0	0.0	0.0	0.0
31°	668.1	69.8	1.8	0.0	0.0	0.0	0.0	0.0
32°	653.7	62.0	1.4	0.0	0.0	0.0	0.0	0.0
33°	629.6	54.9	1.0	0.0	0.0	0.0	0.0	0.0
34°	595.9	48.1	0.8	0.0	0.0	0.0	0.0	0.0
35°	550.8	41.0	0.6	0.0	0.0	0.0	0.0	0.0
36°	501.5	33.5	0.4	0.0	0.0	0.0	0.0	0.0
37°	441.1	24.3	0.4	0.0	0.0	0.0	0.0	0.0
38°	378.0	15.3	0.2	0.0	0.0	0.0	0.0	0.0
39°	313.6	11.6	0.2	0.0	0.0	0.0	0.0	0.0
40°	254.6	10.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	136.3	6.7	0.0	0.0	0.0	0.0	0.0	0.0
45°	80.4	4.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	44.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0
50°	16.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2.2	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	0.6	0.2	0.0	0.0	0.0
75°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
77.5°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
80°	0.0	0.2	0.4	0.6	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	0.6	0.2	0.0	0.0	0.0
85°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
87.5°	0.0	0.2	0.4	0.6	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)