

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: P1315978

Luminaire Tested: P3SQAS05R409827DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R409827DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

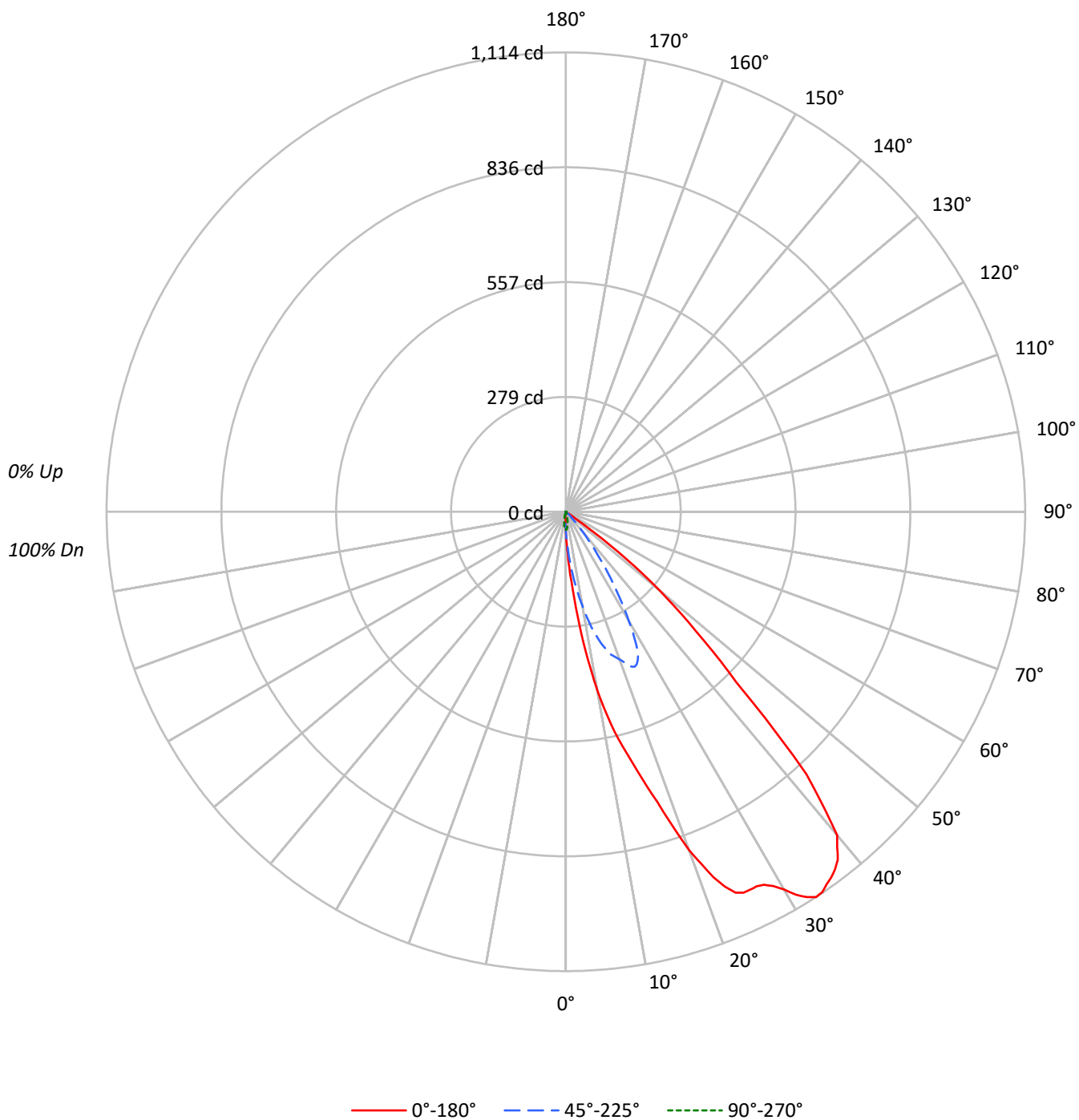
Lumens per Lamp: N/A
Luminaire Lumens: 374.0 lumens
Efficiency: N/A
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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			0
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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83		
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7526	7526	7526	7526	7526
5°	31983	21800	6604	1193	588
10°	76860	40537	4092	122	0
15°	113112	58892	1712	0	0
20°	159890	69810	623	0	0
25°	193675	77493	0	0	0
30°	210280	60614	0	0	0
35°	231879	35489	0	0	0
40°	230149	14411	0	0	0
45°	142531	4189	0	0	0
50°	79361	80	0	0	0
55°	7747	0	0	0	0
60°	0	0	103	0	0
65°	0	0	122	0	0
70°	0	151	352	0	0
75°	0	200	466	0	0
80°	0	298	694	0	0
85°	0	593	1383	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 143189 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.2	2.2
10°-20°	48.2	12.9
20°-30°	110.0	29.4
30°-40°	129.9	34.7
40°-50°	69.4	18.6
50°-60°	7.5	2.0
60°-70°	0.1	0.0
70°-80°	0.3	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°	166.4	44.5
0°-40°	296.4	79.3
0°-60°	373.3	99.8
0°-90°	374.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	374.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	44	44	44	44	44	
5°	185	126	38	7	3	26
15°	634	330	10	0	0	188
25°	1019	408	0	0	0	463
35°	1103	169	0	0	0	681
45°	585	17	0	0	0	483
55°	26	0	0	0	0	72
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°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
2.5°	102.0	99.9	101.3	98.5	98.5	92.3	92.7	87.5	79.9	61.0	43.4
5°	185.0	193.2	186.7	178.1	173.2	167.0	158.8	150.2	126.1	76.1	38.2
7.5°	309.6	309.0	297.9	288.6	278.0	261.4	245.9	224.9	179.4	87.1	31.7
10°	439.5	437.1	424.7	416.8	396.4	372.7	341.0	307.2	231.8	90.9	23.4
12.5°	547.6	544.5	534.2	520.8	498.4	468.4	434.3	389.9	286.9	86.8	15.2
15°	634.4	633.8	623.8	605.5	582.1	552.8	514.2	460.9	330.3	76.1	9.6
17.5°	737.4	741.6	723.7	704.0	670.3	629.3	582.1	521.1	362.3	63.0	6.2
20°	872.4	866.6	850.1	821.5	789.1	739.8	673.0	585.9	380.9	48.9	3.4
21°	913.8	911.4	894.1	867.6	831.8	781.9	713.0	618.9	389.6	43.7	2.8
22°	955.8	951.7	938.2	912.4	878.6	822.2	746.4	653.0	400.6	38.2	1.7
23°	987.1	985.4	975.1	949.6	914.8	860.0	782.6	684.7	408.2	33.1	1.0
24°	1011.3	1009.2	998.9	979.6	949.6	892.4	819.1	718.8	411.3	28.6	0.3
25°	1019.2	1020.2	1014.0	998.9	973.7	916.5	846.3	745.7	407.8	24.5	0.0
26°	1019.5	1022.6	1018.1	1009.5	988.9	935.8	871.8	761.5	398.9	20.7	0.0
27°	1019.5	1022.6	1018.1	1011.6	991.3	946.8	885.5	763.3	385.1	17.6	0.0
28°	1024.3	1026.1	1020.2	1012.3	990.2	950.3	889.3	752.9	363.0	15.2	0.0
29°	1037.8	1036.1	1026.4	1015.7	989.2	950.3	878.0	733.3	335.5	12.7	0.0
30°	1057.4	1057.4	1042.3	1025.4	994.0	949.9	859.7	697.8	304.8	10.3	0.0
31°	1083.9	1081.5	1066.4	1041.2	1004.4	949.9	832.8	658.6	276.6	9.0	0.0
32°	1101.8	1100.5	1086.0	1056.4	1021.2	949.9	803.9	615.2	245.9	7.2	0.0
33°	1114.2	1111.5	1095.0	1064.3	1031.6	945.1	771.5	568.7	218.4	5.9	0.0
34°	1112.5	1111.8	1094.6	1062.9	1029.5	925.1	734.0	517.0	192.9	4.8	0.0
35°	1102.9	1102.9	1081.9	1049.1	1014.7	895.9	696.8	472.9	168.8	3.4	0.0
36°	1095.6	1092.9	1069.1	1032.6	989.9	849.7	641.7	428.5	142.9	2.8	0.0
37°	1085.0	1079.8	1053.3	1014.0	954.8	799.8	583.8	388.9	120.9	1.7	0.0
38°	1071.2	1063.3	1030.9	992.3	916.2	742.3	524.9	344.4	100.6	1.0	0.0
39°	1046.0	1039.5	1006.1	964.4	870.0	681.6	467.7	302.8	81.3	0.3	0.0
40°	1023.7	1012.3	974.4	926.5	816.0	613.1	410.9	261.8	64.1	0.0	0.0
42.5°	863.1	851.1	842.5	795.0	649.9	440.2	286.9	167.7	33.4	0.0	0.0
45°	585.2	587.9	561.1	529.0	428.8	286.9	179.4	93.3	17.2	0.0	0.0
47.5°	426.8	419.5	383.0	322.4	251.4	167.7	93.7	45.1	6.9	0.0	0.0
50°	296.2	282.4	249.4	203.9	136.7	79.9	41.3	21.0	0.3	0.0	0.0
52.5°	160.9	151.2	128.1	93.0	56.8	30.7	16.5	8.6	0.0	0.0	0.0
55°	25.8	17.9	18.6	15.8	12.4	9.0	5.2	1.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7	0.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7	0.7
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):

	112.5°	135°	157.5°	180°
0°	43.7	43.7	43.7	43.7
2.5°	29.3	20.0	15.2	13.1
5°	16.9	6.9	3.8	3.4
7.5°	8.3	2.4	1.4	1.4
10°	3.4	0.7	0.0	0.0
12.5°	1.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.3	0.0	0.0	0.0
67.5°	0.3	0.0	0.0	0.0
70°	0.3	0.0	0.0	0.0
72.5°	0.3	0.0	0.0	0.0
75°	0.3	0.0	0.0	0.0
77.5°	0.3	0.0	0.0	0.0
80°	0.3	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.3	0.0	0.0	0.0
85°	0.3	0.0	0.0	0.0
87.5°	0.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)