

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: P1310640

Luminaire Tested: P3SQAS24R159040D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310640
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R159040D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

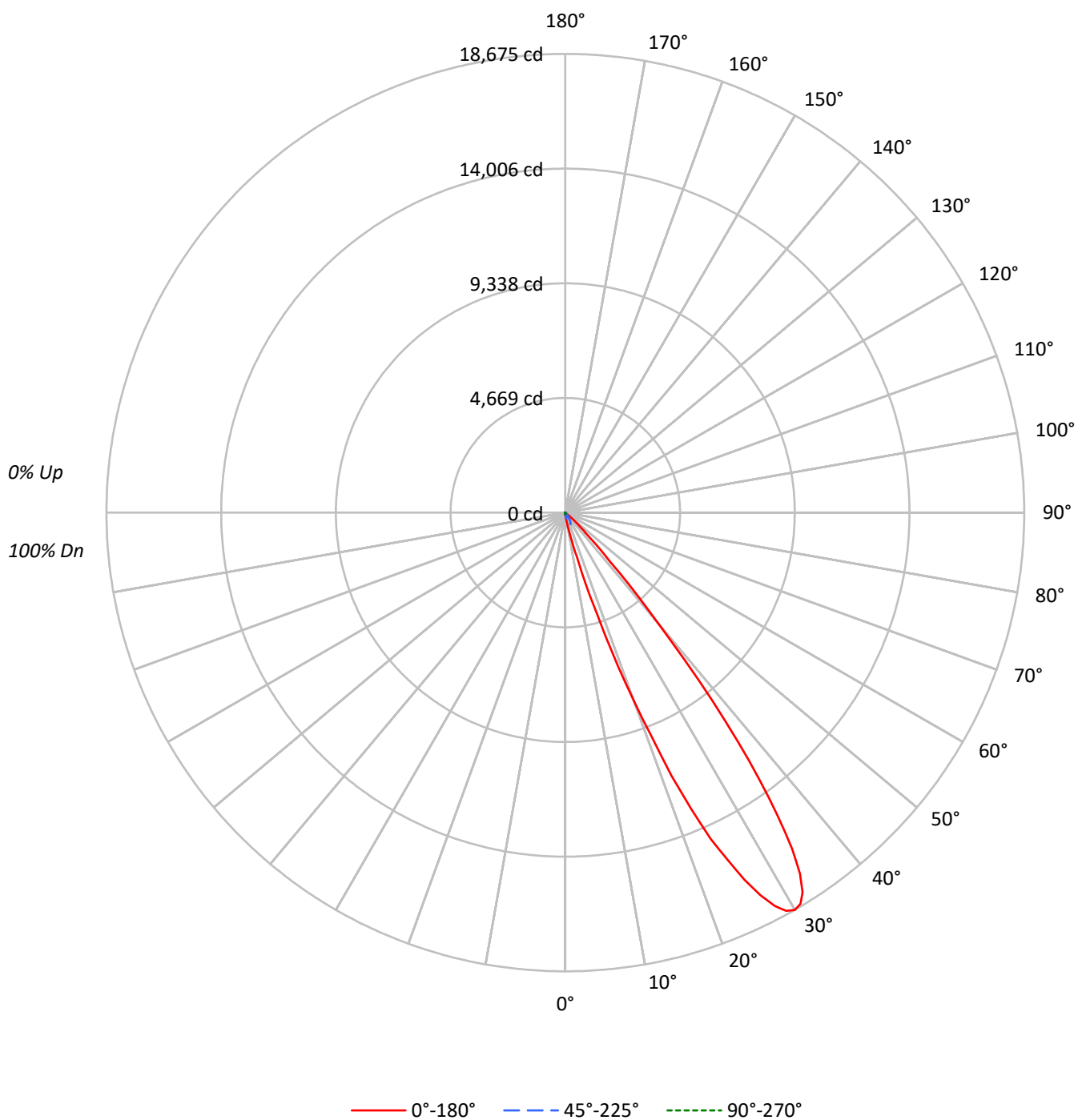
Lumens per Lamp: N/A
Luminaire Lumens: 1975.0 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 2.33 / 0.38 / 1.17
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	94	92		
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	57	52	74	64	57	52	63	56	52	61	56	52	60	55	51	50		
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	46	45		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12159	12159	12159	12159	12159
5°	35181	26572	10407	4305	2870
10°	91532	39593	6908	0	0
15°	365850	64793	3709	0	0
20°	1494740	95542	1136	0	0
25°	2954744	94709	0	0	0
30°	3713775	74754	0	0	0
35°	3168708	45854	0	0	0
40°	1304545	14478	0	0	0
45°	282261	6065	0	0	0
50°	36171	0	0	0	0
55°	3123	0	631	0	0
60°	0	0	1447	0	0
65°	0	0	1712	0	0
70°	0	1057	3122	0	0
75°	0	1397	4126	0	0
80°	0	2083	6149	0	0
85°	0	4150	12251	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2°

Vertical Angle: 45°

Luminance: 295413 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.5
10°-20°	138.4	7.0
20°-30°	806.7	40.8
30°-40°	865.0	43.8
40°-50°	146.0	7.4
50°-60°	4.4	0.2
60°-70°	1.3	0.1
70°-80°	1.9	0.1
80°-90°	1.7	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°	954.6	48.3
0°-40°	1819.6	92.1
0°-60°	1970.1	99.7
0°-90°	1975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1975.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	71	71	71	71	71	
5°	204	154	60	25	17	28
15°	2052	363	21	0	0	949
25°	15549	498	0	0	0	7035
35°	15072	218	0	0	0	8662
45°	1159	25	0	0	0	1369
55°	10	0	2	0	0	26
65°	0	0	4	0	0	0
75°	0	2	6	0	0	0
85°	0	2	6	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°	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
2.5°	128.8	130.8	132.9	132.9	132.9	132.9	130.8	130.8	130.8	130.8	128.8
5°	203.5	203.5	203.5	203.5	203.5	203.5	201.5	201.5	201.5	201.5	201.5
7.5°	290.8	286.6	288.7	282.4	286.6	284.5	282.4	286.6	286.6	276.2	276.2
10°	523.4	521.3	500.5	504.7	508.8	506.7	506.7	494.3	492.2	483.9	475.6
12.5°	1009.3	1032.2	1048.8	1048.8	1009.3	1023.9	996.9	1003.1	1007.3	994.8	951.2
15°	2051.9	2089.3	2049.8	2087.2	2072.7	2018.7	1958.4	1877.4	1908.6	1852.5	1833.8
17.5°	4494.2	4579.4	4544.1	4371.7	4427.8	4294.9	4211.8	4180.6	4093.4	3833.8	3725.8
20°	8155.7	8259.5	8161.9	7960.4	8024.8	7773.5	7709.2	7648.9	7262.6	7121.4	6668.7
21°	9696.7	9781.8	9819.2	9609.4	9480.7	9281.3	9115.2	9061.2	8826.5	8554.4	8089.2
22°	11557.5	11457.8	11233.5	11262.6	11071.5	10907.5	10676.9	10458.9	10197.2	9817.1	9432.9
23°	13098.5	12982.2	12876.3	12747.5	12541.9	12425.6	12095.4	11856.6	11516.0	11108.9	10739.2
24°	14533.6	14355.0	14288.5	14060.1	14001.9	13740.2	13472.3	13160.8	12749.6	12315.5	11906.4
25°	15549.1	15576.1	15518.0	15491.0	15194.0	14926.1	14660.3	14180.5	13829.5	13445.3	12816.1
26°	16637.4	16649.9	16620.8	16421.4	16153.5	15891.8	15549.1	15131.7	14622.9	14197.1	13628.1
27°	17470.2	17420.4	17378.8	17142.1	16921.9	16591.7	16280.2	15785.9	15289.5	14782.8	14122.4
28°	18134.8	18041.3	17989.4	17785.9	17528.4	17123.4	16741.2	16280.2	15783.8	15239.7	14525.3
29°	18535.6	18435.9	18377.8	18153.5	17856.5	17501.4	17115.1	16608.3	16074.6	15468.2	14749.6
30°	18674.8	18616.6	18525.2	18292.6	17985.3	17615.6	17218.9	16668.6	16109.9	15488.9	14728.8
31°	18583.4	18508.6	18421.4	18170.1	17837.8	17484.7	17023.7	16446.3	15858.6	15266.7	14460.9
32°	18219.9	18174.2	18068.3	17731.9	17461.9	17005.0	16550.2	16010.2	15368.5	14733.0	14004.0
33°	17538.7	17464.0	17372.6	17065.2	16720.5	16282.3	15829.5	15277.1	14639.5	13968.7	13167.0
34°	16500.3	16404.8	16290.6	16085.0	15644.7	15264.6	14741.3	14095.4	13567.9	12924.0	12199.2
35°	15071.5	14932.3	14795.3	14639.5	14145.2	13794.2	13441.2	12878.4	12369.5	11763.1	10942.8
36°	13468.2	13414.2	13302.0	12890.8	12730.9	12253.2	11968.7	11322.8	10911.6	10317.6	9640.6
37°	11655.1	11337.4	11499.3	11268.8	10787.0	10637.5	10298.9	9744.4	9300.0	8672.8	8182.7
38°	9711.2	9503.5	9617.8	9385.1	9133.9	8789.1	8531.6	8126.6	7628.2	7136.0	6670.7
39°	7696.7	7528.5	7653.1	7495.2	7113.1	6969.8	6741.4	6431.9	6031.1	5646.9	5206.6
40°	5802.6	5586.6	5752.8	5528.5	5354.0	5119.4	5003.1	4718.5	4469.3	4238.8	3958.4
42.5°	2650.0	2627.2	2589.8	2508.8	2490.1	2492.2	2348.9	2255.4	2128.7	1981.3	1892.0
45°	1158.9	1187.9	1212.9	1167.2	1165.1	1140.2	1131.9	1069.6	1044.6	996.9	938.7
47.5°	571.1	581.5	575.3	587.7	577.4	560.7	556.6	548.3	523.4	521.3	494.3
50°	135.0	132.9	132.9	135.0	132.9	132.9	130.8	126.7	124.6	126.7	120.5
52.5°	43.6	45.7	43.6	41.5	43.6	45.7	43.6	43.6	43.6	43.6	43.6
55°	10.4	10.4	10.4	10.4	10.4	10.4	8.3	8.3	10.4	10.4	10.4
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°	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
2.5°	126.7	108.0	89.3	70.6	51.9	41.5	39.5	37.4
5°	191.1	153.7	101.8	60.2	35.3	24.9	18.7	16.6
7.5°	257.5	191.1	112.1	49.8	24.9	10.4	4.2	2.1
10°	369.7	226.4	116.3	39.5	12.5	0.0	0.0	0.0
12.5°	724.8	259.6	114.2	31.2	2.1	0.0	0.0	0.0
15°	1204.6	363.4	105.9	20.8	0.0	0.0	0.0	0.0
17.5°	1973.0	469.4	91.4	14.5	0.0	0.0	0.0	0.0
20°	3059.2	521.3	70.6	6.2	0.0	0.0	0.0	0.0
21°	3586.7	525.4	62.3	4.2	0.0	0.0	0.0	0.0
22°	4043.6	525.4	54.0	2.1	0.0	0.0	0.0	0.0
23°	4467.2	519.2	47.8	0.0	0.0	0.0	0.0	0.0
24°	4816.1	510.9	43.6	0.0	0.0	0.0	0.0	0.0
25°	5077.8	498.4	39.5	0.0	0.0	0.0	0.0	0.0
26°	5198.3	481.8	33.2	0.0	0.0	0.0	0.0	0.0
27°	5258.5	459.0	29.1	0.0	0.0	0.0	0.0	0.0
28°	5217.0	434.1	24.9	0.0	0.0	0.0	0.0	0.0
29°	5113.1	407.1	18.7	0.0	0.0	0.0	0.0	0.0
30°	4978.1	375.9	14.5	0.0	0.0	0.0	0.0	0.0
31°	4780.8	344.8	10.4	0.0	0.0	0.0	0.0	0.0
32°	4510.9	313.6	8.3	0.0	0.0	0.0	0.0	0.0
33°	4149.5	280.4	4.2	0.0	0.0	0.0	0.0	0.0
34°	3703.0	247.1	2.1	0.0	0.0	0.0	0.0	0.0
35°	3202.5	218.1	0.0	0.0	0.0	0.0	0.0	0.0
36°	2772.6	186.9	0.0	0.0	0.0	0.0	0.0	0.0
37°	2340.6	149.5	0.0	0.0	0.0	0.0	0.0	0.0
38°	1960.5	118.4	0.0	0.0	0.0	0.0	0.0	0.0
39°	1622.0	95.5	0.0	0.0	0.0	0.0	0.0	0.0
40°	1343.7	64.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	743.5	43.6	0.0	0.0	0.0	0.0	0.0	0.0
45°	450.7	24.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	261.7	8.3	0.0	0.0	0.0	0.0	0.0	0.0
50°	99.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	33.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	8.3	0.0	0.0	2.1	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0
60°	0.0	0.0	2.1	4.2	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	2.1	4.2	2.1	0.0	0.0	0.0
65°	0.0	0.0	4.2	4.2	2.1	0.0	0.0	0.0
67.5°	0.0	0.0	4.2	6.2	2.1	0.0	0.0	0.0
70°	0.0	2.1	4.2	6.2	2.1	0.0	0.0	0.0
72.5°	0.0	2.1	4.2	6.2	2.1	0.0	0.0	0.0
75°	0.0	2.1	4.2	6.2	2.1	0.0	0.0	0.0
77.5°	0.0	2.1	4.2	6.2	2.1	0.0	0.0	0.0
80°	0.0	2.1	4.2	6.2	2.1	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	2.1	4.2	6.2	2.1	0.0	0.0	0.0
85°	0.0	2.1	4.2	6.2	2.1	0.0	0.0	0.0
87.5°	0.0	2.1	4.2	6.2	2.1	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)