Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1318118

Luminaire Tested: P3SQAS17R259835DE010 E3SQCA301MMS

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1318118
	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:	P3SQAS17R259835DE010 E3SQCA301MMS
Description:	3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1280.0 lumens
Efficiency:	N/A
Efficacy:	62.7 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):	20.4
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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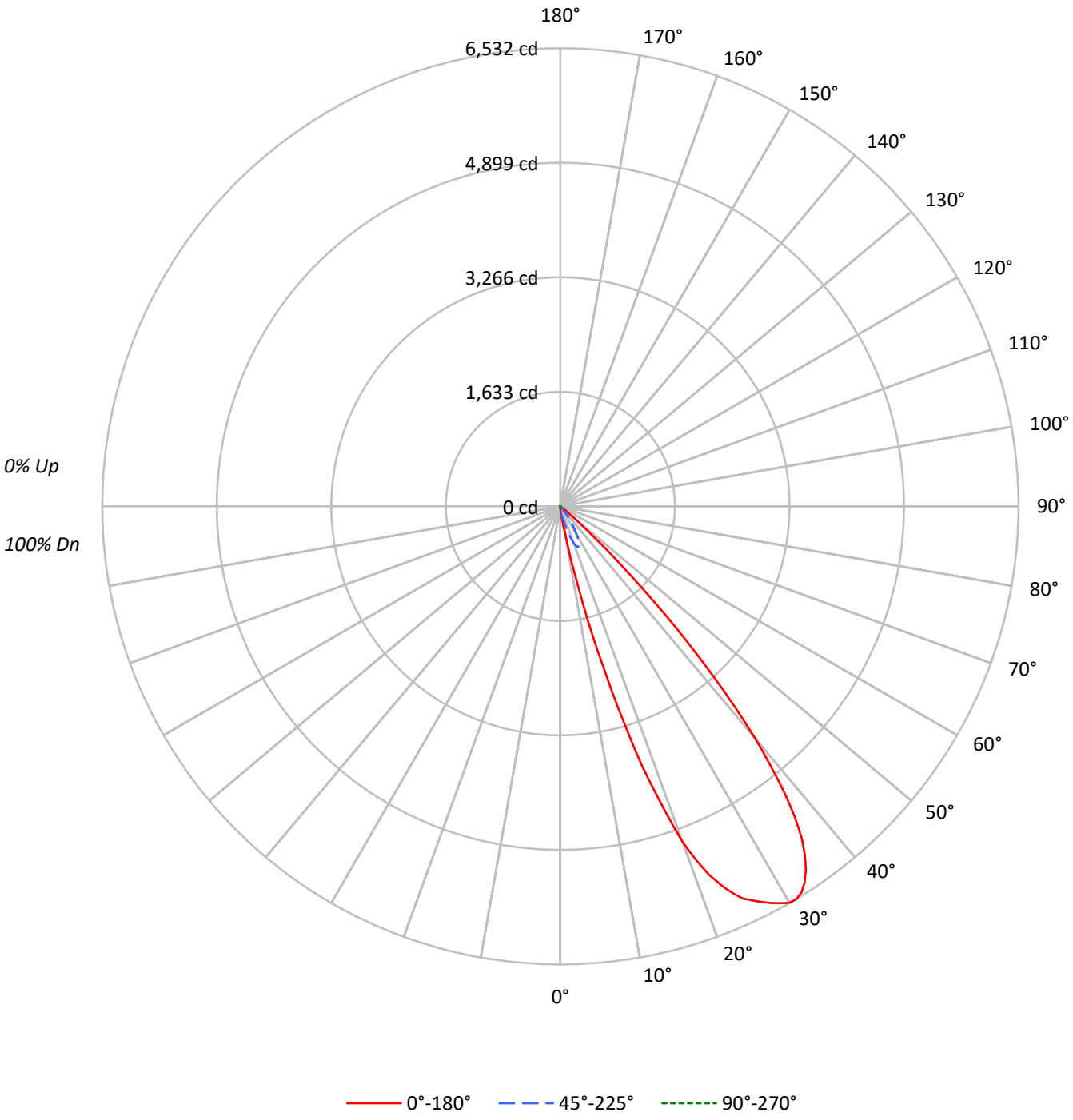
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	0
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°	6975	6975	6975	6975	6975
5°	21835	15265	6362	3388	2541
10°	68815	27666	4722	437	0
15°	425597	52687	2835	0	0
20°	933147	102689	898	0	0
25°	1172997	118121	0	0	0
30°	1298513	91419	0	0	0
35°	1278227	51804	0	0	0
40°	971585	13512	0	0	0
45°	393544	5967	0	0	0
50°	43700	670	0	0	0
55°	3303	0	360	0	0
60°	0	0	413	0	0
65°	0	0	1019	0	0
70°	0	604	1259	0	0
75°	0	799	2462	0	0
80°	0	1190	3670	0	0
85°	0	2371	7311	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 393544 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	0.5
10°-20°	132.2	10.3
20°-30°	462.2	36.1
30°-40°	515.6	40.3
40°-50°	155.7	12.2
50°-60°	5.2	0.4
60°-70°	0.7	0.1
70°-80°	1.1	0.1
80°-90°	1.0	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°	600.7	46.9
0°-40°	1116.3	87.2
0°-60°	1277.2	99.8
0°-90°	1280.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1280.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	40	40	40	40	40	
5°	126	88	37	20	15	20
15°	2387	296	16	0	0	794
25°	6173	622	0	0	0	2816
35°	6080	246	0	0	0	3650
45°	1616	24	0	0	0	1396
55°	11	0	1	0	0	34
65°	0	0	2	0	0	0
75°	0	1	4	0	0	0
85°	0	1	4	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°	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
2.5°	69.9	72.3	71.1	72.3	71.1	71.1	71.1	72.3	71.1	71.1	71.1
5°	126.3	127.5	127.5	126.3	126.3	128.7	126.3	127.5	123.8	126.3	125.1
7.5°	207.2	204.7	204.7	206.0	206.0	203.5	202.3	199.8	202.3	202.3	198.6
10°	393.5	391.1	385.0	382.5	385.0	385.0	372.7	375.2	376.4	365.3	361.7
12.5°	1156.1	1147.5	1164.7	1137.7	1121.8	1096.0	1110.7	1060.5	1049.4	1042.1	1024.9
15°	2387.0	2452.0	2423.8	2426.2	2431.1	2369.8	2390.7	2314.7	2250.9	2231.3	2217.8
17.5°	3892.5	3912.1	3886.4	3874.1	3869.2	3839.8	3804.2	3766.2	3717.2	3674.3	3638.7
20°	5091.5	5076.8	5032.7	5037.6	4984.9	4957.9	4927.2	4889.2	4851.2	4788.7	4728.6
21°	5407.8	5364.9	5366.1	5336.7	5335.5	5301.2	5247.2	5208.0	5173.7	5102.6	5064.5
22°	5667.7	5657.9	5635.9	5613.8	5590.5	5573.3	5513.3	5493.6	5423.8	5364.9	5311.0
23°	5870.0	5873.7	5854.1	5839.4	5807.5	5800.1	5722.9	5695.9	5648.1	5558.6	5503.5
24°	6038.0	6031.9	6009.8	5984.0	5965.6	5948.5	5889.6	5845.5	5792.8	5719.2	5665.3
25°	6172.8	6158.1	6143.4	6123.8	6094.4	6074.8	6014.7	5965.6	5920.3	5838.1	5764.6
26°	6252.5	6256.2	6232.9	6218.2	6192.5	6172.8	6110.3	6052.7	5996.3	5908.0	5841.8
27°	6333.4	6329.8	6308.9	6286.9	6259.9	6252.5	6180.2	6120.1	6062.5	5969.3	5890.9
28°	6408.2	6398.4	6381.3	6355.5	6326.1	6304.0	6234.1	6171.6	6109.1	6009.8	5924.0
29°	6470.8	6460.9	6449.9	6416.8	6378.8	6364.1	6289.3	6213.3	6150.8	6049.0	5958.3
30°	6529.6	6511.2	6485.5	6457.3	6420.5	6392.3	6313.8	6247.6	6174.1	6061.3	5974.2
31°	6532.1	6507.5	6489.1	6459.7	6418.0	6383.7	6301.6	6234.1	6148.3	6042.9	5948.5
32°	6489.1	6476.9	6447.5	6415.6	6375.1	6340.8	6250.1	6179.0	6098.1	5985.3	5890.9
33°	6392.3	6380.0	6362.9	6329.8	6277.0	6245.2	6164.3	6085.8	6006.1	5904.3	5796.5
34°	6258.7	6243.9	6221.9	6188.8	6134.8	6101.7	6036.8	5955.8	5871.2	5765.8	5665.3
35°	6079.7	6051.5	6045.3	5996.3	5946.0	5937.5	5860.2	5775.6	5689.8	5573.3	5486.3
36°	5857.8	5824.7	5802.6	5785.4	5752.3	5711.9	5635.9	5568.4	5458.1	5383.3	5260.7
37°	5554.9	5514.5	5535.3	5488.7	5437.2	5420.1	5323.2	5261.9	5168.8	5067.0	4962.8
38°	5201.9	5198.2	5193.3	5172.4	5084.2	5038.8	4998.3	4933.4	4852.5	4729.9	4588.9
39°	4755.6	4763.0	4737.2	4739.7	4695.5	4650.2	4593.8	4520.2	4422.1	4310.6	4196.6
40°	4321.6	4217.4	4235.8	4173.3	4176.9	4109.5	4035.9	3971.0	3908.4	3810.4	3654.7
42.5°	2990.2	2974.2	2919.1	2879.8	2897.0	2810.0	2713.1	2622.4	2535.3	2425.0	2288.9
45°	1615.8	1579.1	1590.1	1526.4	1526.4	1487.1	1460.1	1384.1	1303.2	1253.0	1174.5
47.5°	600.7	608.1	621.6	595.8	566.4	583.6	557.8	557.8	544.3	528.4	506.3
50°	163.1	165.5	163.1	163.1	159.4	156.9	152.0	150.8	149.6	145.9	139.8
52.5°	66.2	62.5	62.5	63.8	63.8	61.3	62.5	62.5	61.3	60.1	60.1
55°	11.0	12.3	12.3	12.3	12.3	11.0	11.0	12.3	13.5	12.3	12.3
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°	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
2.5°	68.7	60.1	50.3	41.7	33.1	28.2	25.7	27.0
5°	116.5	88.3	57.6	36.8	25.7	19.6	15.9	14.7
7.5°	179.0	121.4	65.0	31.9	19.6	9.8	6.1	4.9
10°	274.6	158.2	69.9	27.0	12.3	2.5	0.0	0.0
12.5°	704.9	193.7	71.1	22.1	4.9	0.0	0.0	0.0
15°	1449.1	295.5	68.7	15.9	1.2	0.0	0.0	0.0
17.5°	2409.1	452.4	60.1	11.0	0.0	0.0	0.0	0.0
20°	3342.0	560.3	47.8	4.9	0.0	0.0	0.0	0.0
21°	3622.8	592.2	42.9	3.7	0.0	0.0	0.0	0.0
22°	3852.0	615.4	38.0	2.5	0.0	0.0	0.0	0.0
23°	4043.3	627.7	33.1	1.2	0.0	0.0	0.0	0.0
24°	4176.9	630.2	30.6	1.2	0.0	0.0	0.0	0.0
25°	4240.7	621.6	27.0	0.0	0.0	0.0	0.0	0.0
26°	4265.2	604.4	24.5	0.0	0.0	0.0	0.0	0.0
27°	4246.8	582.3	22.1	0.0	0.0	0.0	0.0	0.0
28°	4213.7	549.2	18.4	0.0	0.0	0.0	0.0	0.0
29°	4148.7	505.1	15.9	0.0	0.0	0.0	0.0	0.0
30°	4086.2	459.7	13.5	0.0	0.0	0.0	0.0	0.0
31°	*4015.1*	*419.3*	*11.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
32°	3928.1	372.7	8.6	0.0	0.0	0.0	0.0	0.0
33°	3783.4	329.8	6.1	0.0	0.0	0.0	0.0	0.0
34°	3581.1	289.3	4.9	0.0	0.0	0.0	0.0	0.0
35°	3310.2	246.4	3.7	0.0	0.0	0.0	0.0	0.0
36°	3013.5	201.1	2.5	0.0	0.0	0.0	0.0	0.0
37°	2650.6	145.9	2.5	0.0	0.0	0.0	0.0	0.0
38°	2271.8	91.9	1.2	0.0	0.0	0.0	0.0	0.0
39°	1884.3	69.9	1.2	0.0	0.0	0.0	0.0	0.0
40°	1530.0	60.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	819.0	40.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	483.0	24.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	269.7	9.8	0.0	0.0	0.0	0.0	0.0	0.0
50°	96.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	13.5	0.0	0.0	1.2	0.0	0.0	0.0	0.0
57.5°	1.2	0.0	1.2	1.2	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.2	1.2	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.2	2.5	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.5	2.5	1.2	0.0	0.0	0.0
67.5°	0.0	1.2	2.5	2.5	1.2	0.0	0.0	0.0
70°	0.0	1.2	2.5	2.5	1.2	0.0	0.0	0.0
72.5°	0.0	1.2	2.5	3.7	1.2	0.0	0.0	0.0
75°	0.0	1.2	2.5	3.7	1.2	0.0	0.0	0.0
77.5°	0.0	1.2	2.5	3.7	1.2	0.0	0.0	0.0
80°	0.0	1.2	2.5	3.7	1.2	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	1.2	2.5	3.7	1.2	0.0	0.0	0.0
85°	0.0	1.2	2.5	3.7	1.2	0.0	0.0	0.0
87.5°	0.0	1.2	2.5	3.7	1.2	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)