

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: P1313535

Luminaire Tested: P3SQAS17R259730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313535
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: P3SQAS17R259730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

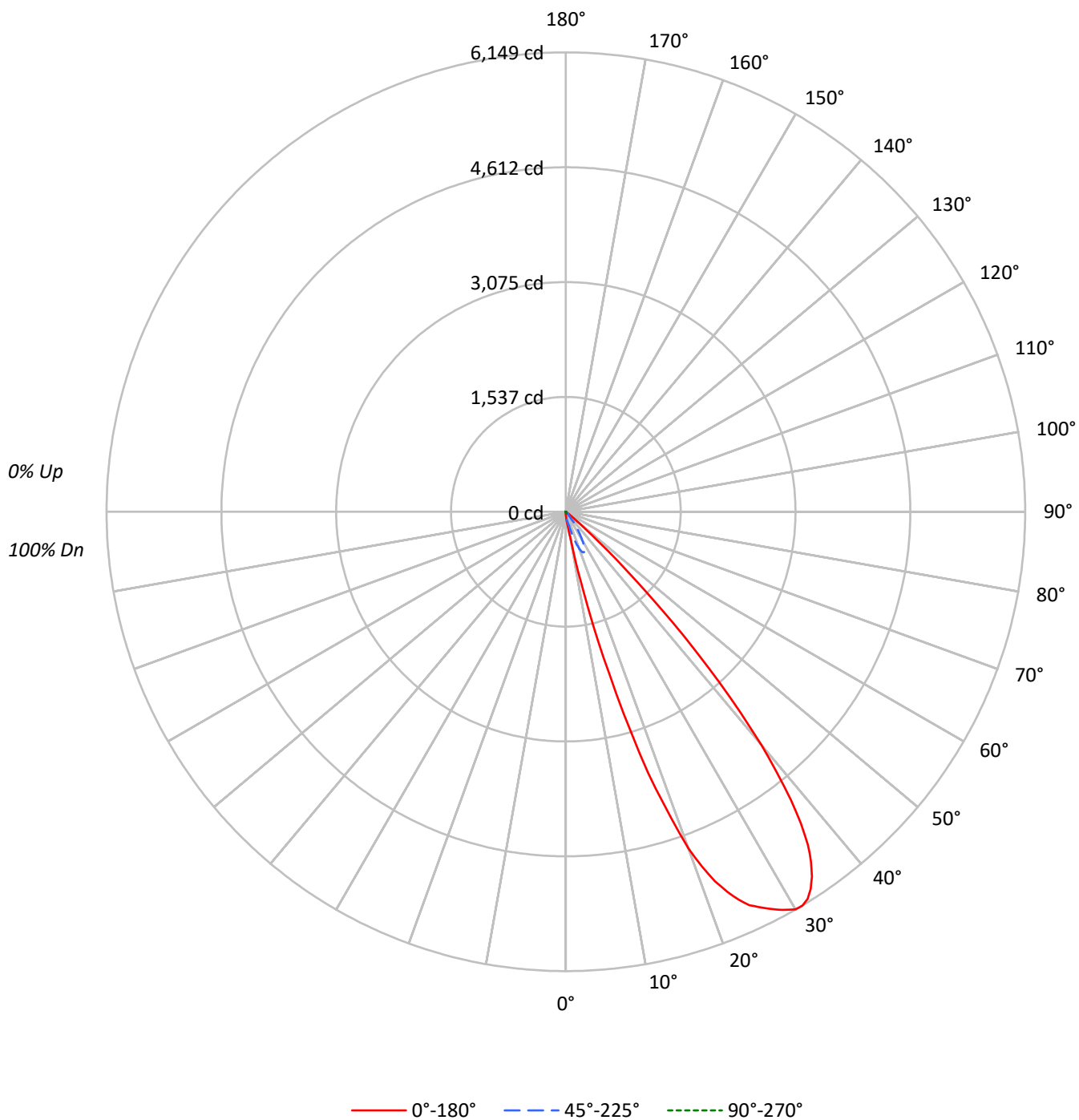
Lumens per Lamp: N/A
Luminaire Lumens: 1205.0 lumens
Efficiency: N/A
Efficacy: 56.8 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	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°	6562	6562	6562	6562	6562
5°	20555	14366	5982	3198	2386
10°	64793	26040	4442	402	0
15°	400653	49603	2674	0	0
20°	878476	96660	843	0	0
25°	1104283	111204	0	0	0
30°	1222427	86069	0	0	0
35°	1203316	48777	0	0	0
40°	914660	12725	0	0	0
45°	370503	5626	0	0	0
50°	41127	616	0	0	0
55°	3123	0	360	0	0
60°	0	0	413	0	0
65°	0	0	937	0	0
70°	0	604	1158	0	0
75°	0	799	2329	0	0
80°	0	1190	3471	0	0
85°	0	2371	6916	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 370503 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.5
10°-20°	124.5	10.3
20°-30°	435.1	36.1
30°-40°	485.4	40.3
40°-50°	146.6	12.2
50°-60°	4.9	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°	565.5	46.9
0°-40°	1050.9	87.2
0°-60°	1202.3	99.8
0°-90°	1205.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1205.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	38	38	38	38	38	
5°	119	83	35	18	14	18
15°	2247	278	15	0	0	747
25°	5811	585	0	0	0	2651
35°	5723	232	0	0	0	3436
45°	1521	23	0	0	0	1314
55°	10	0	1	0	0	32
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°	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
2.5°	65.8	68.1	66.9	68.1	66.9	66.9	66.9	68.1	66.9	66.9	66.9
5°	118.9	120.0	120.0	118.9	118.9	121.2	118.9	120.0	116.6	118.9	117.7
7.5°	195.1	192.7	192.7	193.9	193.9	191.6	190.4	188.1	190.4	190.4	187.0
10°	370.5	368.2	362.4	360.1	362.4	362.4	350.9	353.2	354.3	343.9	340.5
12.5°	1088.4	1080.3	1096.4	1071.1	1056.0	1031.8	1045.7	998.3	988.0	981.0	964.9
15°	2247.1	2308.3	2281.8	2284.1	2288.7	2231.0	2250.6	2179.0	2119.0	2100.6	2087.9
17.5°	3664.4	3682.9	3658.7	3647.1	3642.5	3614.8	3581.3	3545.6	3499.4	3459.0	3425.5
20°	4793.2	4779.3	4737.8	4742.4	4692.8	4667.4	4638.5	4602.8	4567.0	4508.1	4451.6
21°	5091.0	5050.6	5051.7	5024.0	5022.9	4990.5	4939.8	4902.8	4870.5	4803.6	4767.8
22°	5335.6	5326.4	5305.6	5284.9	5262.9	5246.8	5190.2	5171.8	5106.0	5050.6	4999.8
23°	5526.1	5529.5	5511.1	5497.2	5467.2	5460.3	5387.6	5362.2	5317.2	5232.9	5181.0
24°	5684.2	5678.4	5657.6	5633.4	5616.1	5599.9	5544.5	5503.0	5453.4	5384.1	5333.3
25°	5811.2	5797.3	5783.5	5765.0	5737.3	5718.8	5662.3	5616.1	5573.4	5496.1	5426.8
26°	5886.2	5889.6	5867.7	5853.9	5829.6	5811.2	5752.3	5698.0	5645.0	5561.9	5499.5
27°	5962.3	5958.9	5939.3	5918.5	5893.1	5886.2	5818.1	5761.5	5707.3	5619.6	5545.7
28°	6032.7	6023.5	6007.4	5983.1	5955.4	5934.6	5868.9	5810.0	5751.1	5657.6	5576.9
29°	6091.6	6082.4	6072.0	6040.8	6005.0	5991.2	5920.8	5849.2	5790.4	5694.6	5609.2
30°	6147.0	6129.7	6105.5	6078.9	6044.3	6017.7	5943.9	5881.6	5812.3	5706.1	5624.2
31°	6149.3	6126.2	6108.9	6081.2	6042.0	6009.7	5932.3	5868.9	5788.1	5688.8	5599.9
32°	6108.9	6097.4	6069.7	6039.7	6001.6	5969.3	5883.9	5816.9	5740.7	5634.6	5545.7
33°	6017.7	6006.2	5990.0	5958.9	5909.3	5879.2	5803.1	5729.2	5654.2	5558.4	5456.8
34°	5891.9	5878.1	5857.3	5826.2	5775.4	5744.2	5683.0	5606.9	5527.2	5428.0	5333.3
35°	5723.4	5696.9	5691.1	5645.0	5597.6	5589.6	5516.8	5437.2	5356.4	5246.8	5164.8
36°	5514.5	5483.4	5462.6	5446.4	5415.3	5377.2	5305.6	5242.2	5138.3	5067.9	4952.5
37°	5229.5	5191.4	5211.0	5167.1	5118.7	5102.5	5011.3	4953.6	4865.9	4770.1	4672.0
38°	4897.1	4893.6	4889.0	4869.4	4786.3	4743.6	4705.5	4644.3	4568.1	4452.7	4320.0
39°	4477.0	4483.9	4459.6	4461.9	4420.4	4377.7	4324.6	4255.4	4163.0	4058.0	3950.7
40°	4068.4	3970.3	3987.6	3928.7	3932.2	3868.7	3799.5	3738.3	3679.4	3587.1	3440.5
42.5°	2815.0	2800.0	2748.0	2711.1	2727.3	2645.3	2554.1	2468.7	2386.8	2282.9	2154.8
45°	1521.2	1486.5	1496.9	1436.9	1436.9	1400.0	1374.6	1303.0	1226.9	1179.5	1105.7
47.5°	565.5	572.5	585.2	560.9	533.2	549.4	525.1	525.1	512.4	497.4	476.7
50°	153.5	155.8	153.5	153.5	150.0	147.7	143.1	142.0	140.8	137.3	131.6
52.5°	62.3	58.9	58.9	60.0	60.0	57.7	58.9	58.9	57.7	56.6	56.6
55°	10.4	11.5	11.5	11.5	11.5	10.4	10.4	11.5	12.7	11.5	11.5
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°	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
2.5°	64.6	56.6	47.3	39.2	31.2	26.5	24.2	25.4
5°	109.6	83.1	54.2	34.6	24.2	18.5	15.0	13.8
7.5°	168.5	114.3	61.2	30.0	18.5	9.2	5.8	4.6
10°	258.5	148.9	65.8	25.4	11.5	2.3	0.0	0.0
12.5°	663.6	182.4	66.9	20.8	4.6	0.0	0.0	0.0
15°	1364.2	278.2	64.6	15.0	1.2	0.0	0.0	0.0
17.5°	2267.9	425.9	56.6	10.4	0.0	0.0	0.0	0.0
20°	3146.2	527.4	45.0	4.6	0.0	0.0	0.0	0.0
21°	3410.5	557.5	40.4	3.5	0.0	0.0	0.0	0.0
22°	3626.3	579.4	35.8	2.3	0.0	0.0	0.0	0.0
23°	3806.4	590.9	31.2	1.2	0.0	0.0	0.0	0.0
24°	3932.2	593.2	28.9	1.2	0.0	0.0	0.0	0.0
25°	3992.2	585.2	25.4	0.0	0.0	0.0	0.0	0.0
26°	4015.3	569.0	23.1	0.0	0.0	0.0	0.0	0.0
27°	3998.0	548.2	20.8	0.0	0.0	0.0	0.0	0.0
28°	3966.8	517.1	17.3	0.0	0.0	0.0	0.0	0.0
29°	3905.6	475.5	15.0	0.0	0.0	0.0	0.0	0.0
30°	3846.8	432.8	12.7	0.0	0.0	0.0	0.0	0.0
31°	3779.8	394.7	10.4	0.0	0.0	0.0	0.0	0.0
32°	3697.9	350.9	8.1	0.0	0.0	0.0	0.0	0.0
33°	3561.7	310.5	5.8	0.0	0.0	0.0	0.0	0.0
34°	3371.3	272.4	4.6	0.0	0.0	0.0	0.0	0.0
35°	3116.2	232.0	3.5	0.0	0.0	0.0	0.0	0.0
36°	2836.9	189.3	2.3	0.0	0.0	0.0	0.0	0.0
37°	2495.3	137.3	2.3	0.0	0.0	0.0	0.0	0.0
38°	2138.6	86.6	1.2	0.0	0.0	0.0	0.0	0.0
39°	1773.9	65.8	1.2	0.0	0.0	0.0	0.0	0.0
40°	1440.4	56.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	771.0	38.1	0.0	0.0	0.0	0.0	0.0	0.0
45°	454.7	23.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	253.9	9.2	0.0	0.0	0.0	0.0	0.0	0.0
50°	91.2	2.3	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	35.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	12.7	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	2.3	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.3	2.3	1.2	0.0	0.0	0.0
67.5°	0.0	1.2	2.3	2.3	1.2	0.0	0.0	0.0
70°	0.0	1.2	2.3	2.3	1.2	0.0	0.0	0.0
72.5°	0.0	1.2	2.3	3.5	1.2	0.0	0.0	0.0
75°	0.0	1.2	2.3	3.5	1.2	0.0	0.0	0.0
77.5°	0.0	1.2	2.3	3.5	1.2	0.0	0.0	0.0
80°	0.0	1.2	2.3	3.5	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	2.3	3.5	1.2	0.0	0.0	0.0
85°	0.0	1.2	2.3	3.5	1.2	0.0	0.0	0.0
87.5°	0.0	1.2	2.3	3.5	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)