

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: P1315479

Luminaire Tested: P3SQAS17R259740DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315479
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: P3SQAS17R259740DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

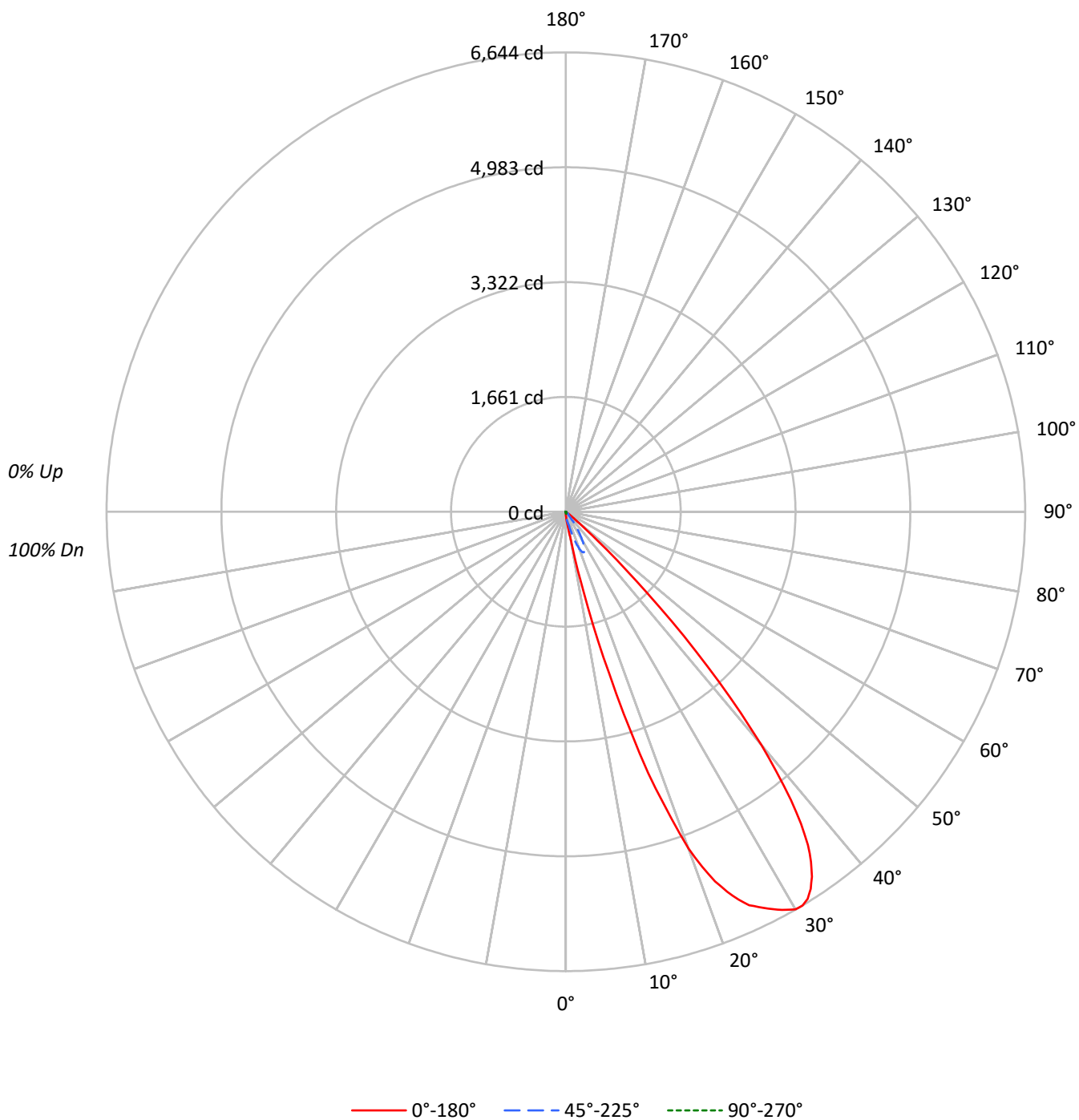
Lumens per Lamp: N/A
Luminaire Lumens: 1302.0 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1315479

CATALOG NUMBER: P3SQAS17R259740DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1315479

CATALOG NUMBER: P3SQAS17R259740DE010 E3SQCA301MMS

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
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°	7096	7096	7096	7096	7096
5°	22198	15525	6466	3458	2593
10°	70004	28138	4792	437	0
15°	432908	53579	2888	0	0
20°	949184	104449	916	0	0
25°	1193158	120154	0	0	0
30°	1320825	92990	0	0	0
35°	1300197	52708	0	0	0
40°	988289	13737	0	0	0
45°	400315	6065	0	0	0
50°	44450	670	0	0	0
55°	3363	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: 400315 cd/sqm

TEST NUMBER: P1315479

CATALOG NUMBER: P3SQAS17R259740DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	0.5
10°-20°	134.5	10.3
20°-30°	470.1	36.1
30°-40°	524.4	40.3
40°-50°	158.4	12.2
50°-60°	5.3	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°	611.0	46.9
0°-40°	1135.4	87.2
0°-60°	1299.1	99.8
0°-90°	1302.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1302.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	41	41	41	41	41	
5°	128	90	37	20	15	20
15°	2428	300	16	0	0	807
25°	6279	632	0	0	0	2864
35°	6184	251	0	0	0	3713
45°	1644	25	0	0	0	1420
55°	11	0	1	0	0	35
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	

TEST NUMBER: P1315479

CATALOG NUMBER: P3SQAS17R259740DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2.5°	71.1	73.6	72.3	73.6	72.3	72.3	72.3	73.6	72.3	72.3	72.3
5°	128.4	129.7	129.7	128.4	128.4	130.9	128.4	129.7	126.0	128.4	127.2
7.5°	210.8	208.3	208.3	209.5	209.5	207.0	205.8	203.3	205.8	205.8	202.0
10°	400.3	397.8	391.6	389.1	391.6	391.6	379.1	381.6	382.8	371.6	367.9
12.5°	1176.0	1167.2	1184.7	1157.3	1141.1	1114.9	1129.8	1078.7	1067.5	1060.0	1042.5
15°	2428.0	2494.1	2465.4	2467.9	2472.9	2410.6	2431.8	2354.4	2289.6	2269.6	2255.9
17.5°	3959.4	3979.4	3953.2	3940.7	3935.7	3905.8	3869.6	3831.0	3781.1	3737.4	3701.3
20°	5179.0	5164.1	5119.2	5124.2	5070.5	5043.1	5011.9	4973.3	4934.6	4871.0	4809.9
21°	5500.8	5457.1	5458.4	5428.4	5427.2	5392.3	5337.4	5297.5	5262.6	5190.3	5151.6
22°	5765.1	5755.2	5732.7	5710.3	5686.6	5669.1	5608.0	5588.1	5517.0	5457.1	5402.3
23°	5970.9	5974.7	5954.7	5939.7	5907.3	5899.8	5821.3	5793.8	5745.2	5654.2	5598.0
24°	6141.8	6135.5	6113.1	6086.9	6068.2	6050.7	5990.9	5946.0	5892.3	5817.5	5762.7
25°	6278.9	6264.0	6249.0	6229.1	6199.1	6179.2	6118.1	6068.2	6022.0	5938.5	5863.7
26°	6360.0	6363.7	6340.0	6325.1	6298.9	6278.9	6215.3	6156.7	6099.4	6009.6	5942.2
27°	6442.3	6438.6	6417.4	6394.9	6367.5	6360.0	6286.4	6225.3	6166.7	6071.9	5992.1
28°	6518.4	6508.4	6490.9	6464.7	6434.8	6412.4	6341.3	6277.7	6214.1	6113.1	6025.8
29°	6582.0	6572.0	6560.8	6527.1	6488.4	6473.5	6397.4	6320.1	6256.5	6153.0	6060.7
30°	6641.8	6623.1	6596.9	6568.3	6530.8	6502.2	6422.3	6355.0	6280.2	6165.5	6076.9
31°	6644.3	6619.4	6600.7	6570.7	6528.3	6493.4	6409.9	6341.3	6254.0	6146.7	6050.7
32°	6600.7	6588.2	6558.3	6525.9	6484.7	6449.8	6357.5	6285.2	6202.9	6088.1	5992.1
33°	6502.2	6489.7	6472.2	6438.6	6384.9	6352.5	6270.2	6190.4	6109.3	6005.8	5896.1
34°	6366.2	6351.3	6328.8	6295.1	6240.3	6206.6	6140.5	6058.2	5972.2	5864.9	5762.7
35°	6184.2	6155.5	6149.2	6099.4	6048.2	6039.5	5960.9	5874.9	5787.6	5669.1	5580.6
36°	5958.4	5924.8	5902.3	5884.9	5851.2	5810.0	5732.7	5664.1	5551.9	5475.8	5351.1
37°	5650.4	5609.3	5630.5	5583.1	5530.7	5513.2	5414.7	5352.4	5257.6	5154.1	5048.1
38°	5291.3	5287.5	5282.5	5261.3	5171.5	5125.4	5084.3	5018.2	4935.9	4811.1	4667.7
39°	4837.3	4844.8	4818.6	4821.1	4776.2	4730.1	4672.7	4597.9	4498.1	4384.7	4268.7
40°	4395.9	4289.9	4308.6	4245.0	4248.7	4180.1	4105.3	4039.2	3975.6	3875.9	3717.5
42.5°	3041.6	3025.4	2969.2	2929.3	2946.8	2858.3	2759.7	2667.5	2578.9	2466.7	2328.3
45°	1643.6	1606.2	1617.4	1552.6	1552.6	1512.7	1485.2	1407.9	1325.6	1274.5	1194.7
47.5°	611.1	618.5	632.3	606.1	576.1	593.6	567.4	567.4	553.7	537.5	515.0
50°	165.9	168.4	165.9	165.9	162.1	159.6	154.6	153.4	152.1	148.4	142.2
52.5°	67.3	63.6	63.6	64.8	64.8	62.4	63.6	63.6	62.4	61.1	61.1
55°	11.2	12.5	12.5	12.5	12.5	11.2	11.2	12.5	13.7	12.5	12.5
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



TEST NUMBER: P1315479

CATALOG NUMBER: P3SQAS17R259740DE010 E3SQCA301MMS

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

TEST NUMBER: P1315479

CATALOG NUMBER: P3SQAS17R259740DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2.5°	69.8	61.1	51.1	42.4	33.7	28.7	26.2	27.4
5°	118.5	89.8	58.6	37.4	26.2	20.0	16.2	15.0
7.5°	182.1	123.5	66.1	32.4	20.0	10.0	6.2	5.0
10°	279.3	160.9	71.1	27.4	12.5	2.5	0.0	0.0
12.5°	717.1	197.0	72.3	22.4	5.0	0.0	0.0	0.0
15°	1474.0	300.5	69.8	16.2	1.2	0.0	0.0	0.0
17.5°	2450.5	460.2	61.1	11.2	0.0	0.0	0.0	0.0
20°	3399.5	569.9	48.6	5.0	0.0	0.0	0.0	0.0
21°	3685.1	602.3	43.6	3.7	0.0	0.0	0.0	0.0
22°	3918.3	626.0	38.7	2.5	0.0	0.0	0.0	0.0
23°	4112.8	638.5	33.7	1.2	0.0	0.0	0.0	0.0
24°	4248.7	641.0	31.2	1.2	0.0	0.0	0.0	0.0
25°	4313.6	632.3	27.4	0.0	0.0	0.0	0.0	0.0
26°	4338.5	614.8	24.9	0.0	0.0	0.0	0.0	0.0
27°	4319.8	592.4	22.4	0.0	0.0	0.0	0.0	0.0
28°	4286.1	558.7	18.7	0.0	0.0	0.0	0.0	0.0
29°	4220.0	513.8	16.2	0.0	0.0	0.0	0.0	0.0
30°	4156.4	467.6	13.7	0.0	0.0	0.0	0.0	0.0
31°	4084.1	426.5	11.2	0.0	0.0	0.0	0.0	0.0
32°	3995.6	379.1	8.7	0.0	0.0	0.0	0.0	0.0
33°	3848.4	335.5	6.2	0.0	0.0	0.0	0.0	0.0
34°	3642.7	294.3	5.0	0.0	0.0	0.0	0.0	0.0
35°	3367.1	250.7	3.7	0.0	0.0	0.0	0.0	0.0
36°	3065.3	204.5	2.5	0.0	0.0	0.0	0.0	0.0
37°	2696.1	148.4	2.5	0.0	0.0	0.0	0.0	0.0
38°	2310.8	93.5	1.2	0.0	0.0	0.0	0.0	0.0
39°	1916.7	71.1	1.2	0.0	0.0	0.0	0.0	0.0
40°	1556.3	61.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	833.0	41.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	491.3	24.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	274.4	10.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	98.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	38.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	13.7	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	2.5	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



TEST NUMBER: P1315479

CATALOG NUMBER: P3SQAS17R259740DE010 E3SQCA301MMS

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)