

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: P1311298

Luminaire Tested: P3SQAS13R259050DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311298
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: P3SQAS13R259050DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

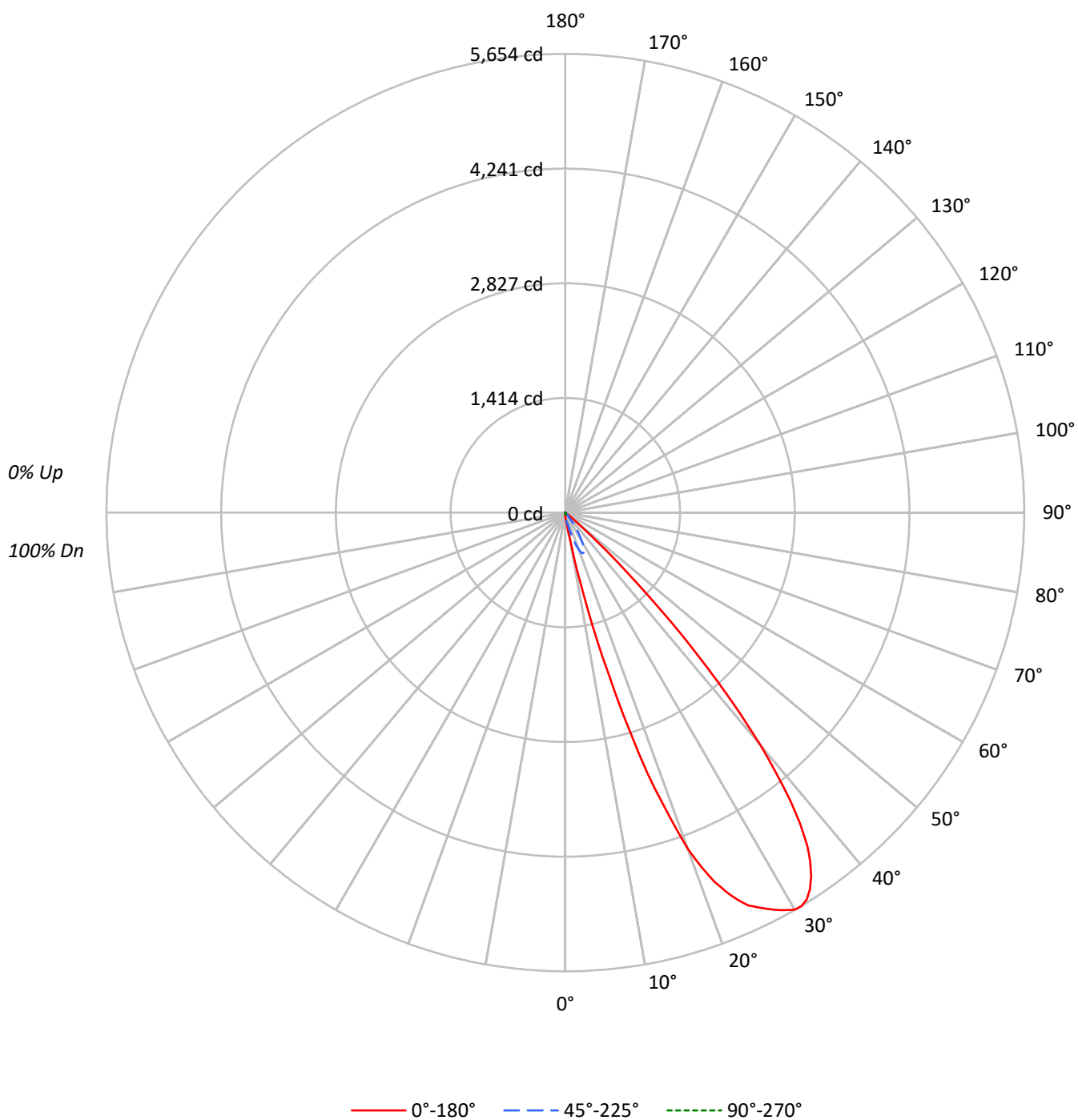
Lumens per Lamp: N/A
Luminaire Lumens: 1108.0 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1311298

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1311298

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQCA301MB

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	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°	6028	6028	6028	6028	6028
5°	18896	13208	5498	2939	2196
10°	59581	23941	4075	367	0
15°	368399	45609	2461	0	0
20°	807750	88889	770	0	0
25°	1015388	102253	0	0	0
30°	1124028	79148	0	0	0
35°	1106456	44845	0	0	0
40°	841032	11691	0	0	0
45°	340667	5163	0	0	0
50°	37805	563	0	0	0
55°	2883	0	330	0	0
60°	0	0	379	0	0
65°	0	0	856	0	0
70°	0	554	1057	0	0
75°	0	732	2129	0	0
80°	0	1091	3174	0	0
85°	0	2174	6323	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 340667 cd/sqm

TEST NUMBER: P1311298

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.5
10°-20°	114.4	10.3
20°-30°	400.1	36.1
30°-40°	446.3	40.3
40°-50°	134.8	12.2
50°-60°	4.5	0.4
60°-70°	0.6	0.1
70°-80°	1.0	0.1
80°-90°	0.9	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°	520.0	46.9
0°-40°	966.3	87.2
0°-60°	1105.6	99.8
0°-90°	1108.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1108.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	35	35	35	35	35	
5°	109	76	32	17	13	17
15°	2066	256	14	0	0	687
25°	5343	538	0	0	0	2438
35°	5263	213	0	0	0	3159
45°	1399	21	0	0	0	1208
55°	10	0	1	0	0	30
65°	0	0	2	0	0	0
75°	0	1	3	0	0	0
85°	0	1	3	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1311298

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
2.5°	60.5	62.6	61.6	62.6	61.6	61.6	61.6	62.6	61.6	61.6	61.6
5°	109.3	110.4	110.4	109.3	109.3	111.4	109.3	110.4	107.2	109.3	108.2
7.5°	179.4	177.2	177.2	178.3	178.3	176.2	175.1	173.0	175.1	175.1	171.9
10°	340.7	338.5	333.2	331.1	333.2	333.2	322.6	324.7	325.8	316.3	313.1
12.5°	1000.8	993.3	1008.2	984.8	971.0	948.8	961.5	918.0	908.4	902.1	887.2
15°	2066.2	2122.5	2098.1	2100.2	2104.4	2051.4	2069.4	2003.6	1948.4	1931.5	1919.8
17.5°	3369.5	3386.4	3364.1	3353.5	3349.3	3323.8	3293.0	3260.1	3217.7	3180.5	3149.8
20°	4407.3	4394.6	4356.4	4360.7	4315.0	4291.7	4265.1	4232.2	4199.3	4145.2	4093.2
21°	4681.1	4644.0	4645.1	4619.6	4618.5	4588.8	4542.1	4508.2	4478.5	4416.9	4384.0
22°	4906.1	4897.6	4878.5	4859.4	4839.3	4824.4	4772.4	4755.4	4694.9	4644.0	4597.3
23°	5081.2	5084.4	5067.4	5054.7	5027.1	5020.7	4953.9	4930.5	4889.2	4811.7	4763.9
24°	5226.6	5221.3	5202.2	5179.9	5164.0	5149.2	5098.2	5060.0	5014.4	4950.7	4904.0
25°	5343.4	5330.6	5317.9	5300.9	5275.4	5258.5	5206.5	5164.0	5124.7	5053.6	4990.0
26°	5412.3	5415.5	5395.4	5382.6	5360.3	5343.4	5289.2	5239.4	5190.5	5114.1	5056.8
27°	5482.4	5479.2	5461.2	5442.1	5418.7	5412.3	5349.7	5297.7	5247.9	5167.2	5099.3
28°	5547.1	5538.6	5523.8	5501.5	5476.0	5456.9	5396.4	5342.3	5288.2	5202.2	5127.9
29°	5601.2	5592.8	5583.2	5554.6	5521.7	5508.9	5444.2	5378.4	5324.3	5236.2	5157.6
30°	5652.2	5636.3	5614.0	5589.6	5557.7	5533.3	5465.4	5408.1	5344.4	5246.8	5171.4
31°	5654.3	5633.1	5617.2	5591.7	5555.6	5525.9	5454.8	5396.4	5322.1	5230.9	5149.2
32°	5617.2	5606.6	5581.1	5553.5	5518.5	5488.8	5410.2	5348.7	5278.6	5181.0	5099.3
33°	5533.3	5522.7	5507.9	5479.2	5433.6	5406.0	5335.9	5268.0	5199.0	5111.0	5017.6
34°	5417.7	5404.9	5385.8	5357.2	5310.5	5281.8	5225.6	5155.5	5082.3	4991.0	4904.0
35°	5262.7	5238.3	5233.0	5190.5	5147.0	5139.6	5072.7	4999.5	4925.2	4824.4	4749.1
36°	5070.6	5042.0	5022.9	5008.0	4979.4	4944.3	4878.5	4820.2	4724.7	4659.9	4553.8
37°	4808.5	4773.5	4791.5	4751.2	4706.6	4691.8	4607.9	4554.9	4474.2	4386.1	4295.9
38°	4502.9	4499.7	4495.4	4477.4	4401.0	4361.7	4326.7	4270.4	4200.4	4094.3	3972.2
39°	4116.6	4122.9	4100.6	4102.8	4064.6	4025.3	3976.5	3912.8	3827.9	3731.3	3632.6
40°	3740.9	3650.7	3666.6	3612.5	3615.7	3557.3	3493.6	3437.4	3383.2	3298.3	3163.6
42.5°	2588.4	2574.6	2526.8	2492.9	2507.7	2432.4	2348.5	2270.0	2194.7	2099.1	1981.3
45°	1398.7	1366.9	1376.4	1321.2	1321.2	1287.3	1263.9	1198.1	1128.1	1084.6	1016.7
47.5°	520.0	526.4	538.1	515.8	490.3	505.2	482.9	482.9	471.2	457.4	438.3
50°	141.1	143.3	141.1	141.1	138.0	135.8	131.6	130.5	129.5	126.3	121.0
52.5°	57.3	54.1	54.1	55.2	55.2	53.1	54.1	54.1	53.1	52.0	52.0
55°	9.6	10.6	10.6	10.6	10.6	9.6	9.6	10.6	11.7	10.6	10.6
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: P1311298

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQCA301MB

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: P1311298

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
2.5°	59.4	52.0	43.5	36.1	28.7	24.4	22.3	23.3
5°	100.8	76.4	49.9	31.8	22.3	17.0	13.8	12.7
7.5°	154.9	105.1	56.2	27.6	17.0	8.5	5.3	4.2
10°	237.7	136.9	60.5	23.3	10.6	2.1	0.0	0.0
12.5°	610.2	167.7	61.6	19.1	4.2	0.0	0.0	0.0
15°	1254.4	255.8	59.4	13.8	1.1	0.0	0.0	0.0
17.5°	2085.3	391.6	52.0	9.6	0.0	0.0	0.0	0.0
20°	2893.0	485.0	41.4	4.2	0.0	0.0	0.0	0.0
21°	3136.0	512.6	37.1	3.2	0.0	0.0	0.0	0.0
22°	3334.4	532.7	32.9	2.1	0.0	0.0	0.0	0.0
23°	3500.0	543.4	28.7	1.1	0.0	0.0	0.0	0.0
24°	3615.7	545.5	26.5	1.1	0.0	0.0	0.0	0.0
25°	3670.8	538.1	23.3	0.0	0.0	0.0	0.0	0.0
26°	3692.1	523.2	21.2	0.0	0.0	0.0	0.0	0.0
27°	3676.2	504.1	19.1	0.0	0.0	0.0	0.0	0.0
28°	3647.5	475.4	15.9	0.0	0.0	0.0	0.0	0.0
29°	3591.3	437.2	13.8	0.0	0.0	0.0	0.0	0.0
30°	3537.1	398.0	11.7	0.0	0.0	0.0	0.0	0.0
31°	3475.6	362.9	9.6	0.0	0.0	0.0	0.0	0.0
32°	3400.2	322.6	7.4	0.0	0.0	0.0	0.0	0.0
33°	3275.0	285.5	5.3	0.0	0.0	0.0	0.0	0.0
34°	3099.9	250.5	4.2	0.0	0.0	0.0	0.0	0.0
35°	2865.4	213.3	3.2	0.0	0.0	0.0	0.0	0.0
36°	2608.5	174.0	2.1	0.0	0.0	0.0	0.0	0.0
37°	2294.4	126.3	2.1	0.0	0.0	0.0	0.0	0.0
38°	1966.5	79.6	1.1	0.0	0.0	0.0	0.0	0.0
39°	1631.1	60.5	1.1	0.0	0.0	0.0	0.0	0.0
40°	1324.4	52.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	708.9	35.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	418.1	21.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	233.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0
50°	83.8	2.1	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	32.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	11.7	0.0	0.0	1.1	0.0	0.0	0.0	0.0
57.5°	1.1	0.0	1.1	1.1	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.1	1.1	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.1	2.1	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.1	2.1	1.1	0.0	0.0	0.0
67.5°	0.0	1.1	2.1	2.1	1.1	0.0	0.0	0.0
70°	0.0	1.1	2.1	2.1	1.1	0.0	0.0	0.0
72.5°	0.0	1.1	2.1	3.2	1.1	0.0	0.0	0.0
75°	0.0	1.1	2.1	3.2	1.1	0.0	0.0	0.0
77.5°	0.0	1.1	2.1	3.2	1.1	0.0	0.0	0.0
80°	0.0	1.1	2.1	3.2	1.1	0.0	0.0	0.0



TEST NUMBER: P1311298

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	1.1	2.1	3.2	1.1	0.0	0.0	0.0
85°	0.0	1.1	2.1	3.2	1.1	0.0	0.0	0.0
87.5°	0.0	1.1	2.1	3.2	1.1	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)