

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: P1309103

Luminaire Tested: P3SQAS13R259035DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309103
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: P3SQAS13R259035DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

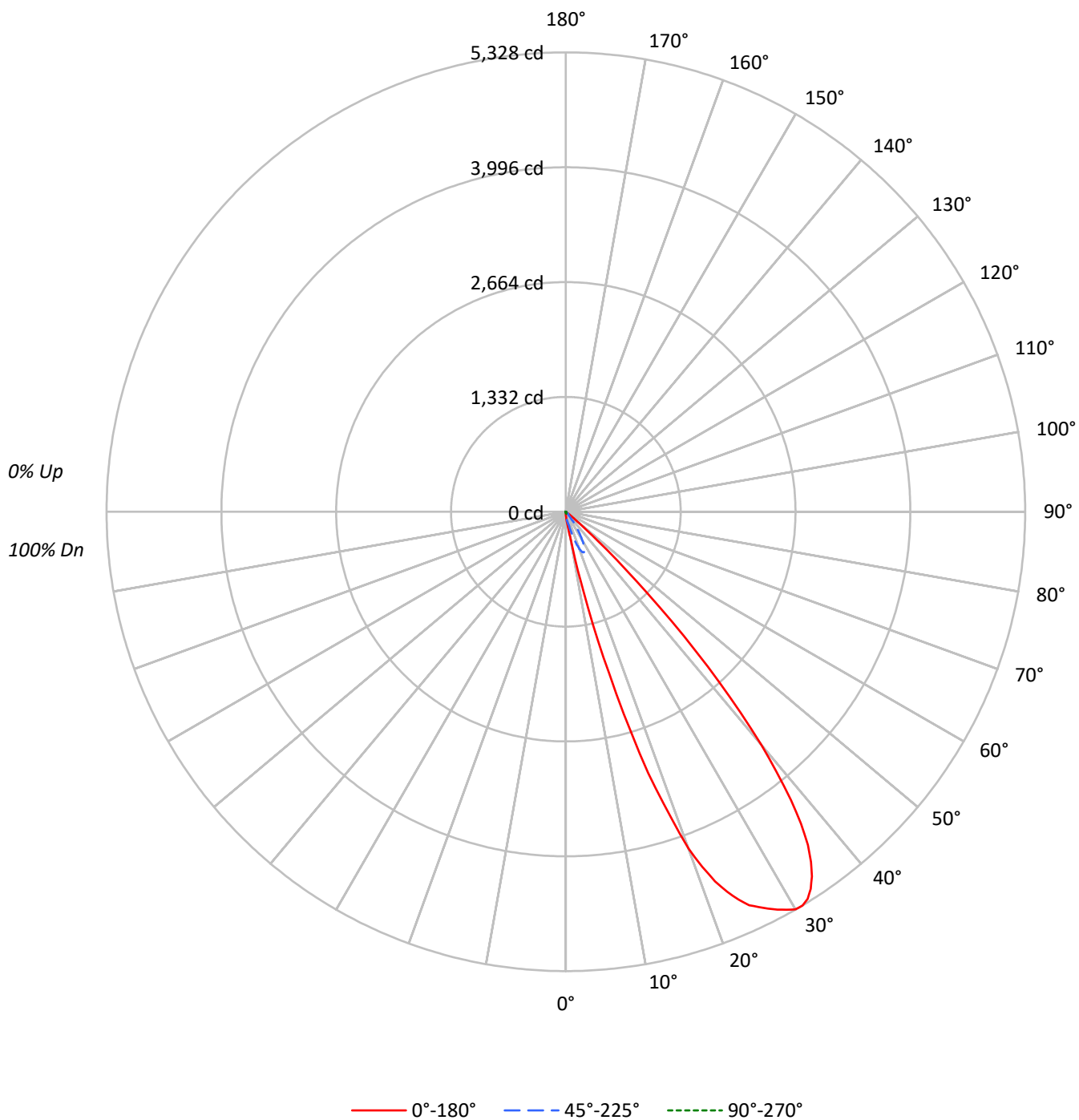
Lumens per Lamp: N/A
Luminaire Lumens: 1044.0 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	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°	5683	5683	5683	5683	5683
5°	17807	12447	5186	2766	2075
10°	56136	22559	3847	350	0
15°	347128	42970	2318	0	0
20°	761107	83757	733	0	0
25°	956727	96344	0	0	0
30°	1059098	74575	0	0	0
35°	1042542	42259	0	0	0
40°	792448	11016	0	0	0
45°	320987	4871	0	0	0
50°	35635	536	0	0	0
55°	2702	0	300	0	0
60°	0	0	344	0	0
65°	0	0	815	0	0
70°	0	504	1007	0	0
75°	0	665	1996	0	0
80°	0	992	2975	0	0
85°	0	1976	5928	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 320987 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.2	0.5
10°-20°	107.8	10.3
20°-30°	376.9	36.1
30°-40°	420.5	40.3
40°-50°	127.0	12.2
50°-60°	4.2	0.4
60°-70°	0.6	0.1
70°-80°	0.9	0.1
80°-90°	0.8	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°	489.9	46.9
0°-40°	910.5	87.2
0°-60°	1041.7	99.8
0°-90°	1044.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1044.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	33	33	33	33	33	
5°	103	72	30	16	12	16
15°	1947	241	13	0	0	647
25°	5035	507	0	0	0	2297
35°	4959	201	0	0	0	2977
45°	1318	20	0	0	0	1138
55°	9	0	1	0	0	28
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	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
2.5°	57.0	59.0	58.0	59.0	58.0	58.0	58.0	59.0	58.0	58.0	58.0
5°	103.0	104.0	104.0	103.0	103.0	105.0	103.0	104.0	101.0	103.0	102.0
7.5°	169.0	167.0	167.0	168.0	168.0	166.0	165.0	163.0	165.0	165.0	162.0
10°	321.0	319.0	314.0	312.0	314.0	314.0	304.0	306.0	307.0	298.0	295.0
12.5°	942.9	935.9	949.9	927.9	914.9	894.0	906.0	865.0	856.0	850.0	836.0
15°	1946.9	1999.9	1976.9	1978.9	1982.9	1932.9	1949.9	1887.9	1835.9	1819.9	1808.9
17.5°	3174.8	3190.8	3169.8	3159.8	3155.8	3131.8	3102.8	3071.8	3031.8	2996.8	2967.8
20°	4152.8	4140.8	4104.8	4108.8	4065.8	4043.8	4018.8	3987.8	3956.8	3905.8	3856.8
21°	4410.8	4375.8	4376.8	4352.8	4351.8	4323.8	4279.8	4247.8	4219.8	4161.8	4130.8
22°	4622.7	4614.7	4596.7	4578.7	4559.7	4545.8	4496.8	4480.8	4423.8	4375.8	4331.8
23°	4787.7	4790.7	4774.7	4762.7	4736.7	4730.7	4667.7	4645.7	4606.7	4533.8	4488.8
24°	4924.7	4919.7	4901.7	4880.7	4865.7	4851.7	4803.7	4767.7	4724.7	4664.7	4620.7
25°	5034.7	5022.7	5010.7	4994.7	4970.7	4954.7	4905.7	4865.7	4828.7	4761.7	4701.7
26°	5099.7	5102.7	5083.7	5071.7	5050.7	5034.7	4983.7	4936.7	4890.7	4818.7	4764.7
27°	5165.7	5162.7	5145.7	5127.7	5105.7	5099.7	5040.7	4991.7	4944.7	4868.7	4804.7
28°	5226.7	5218.7	5204.7	5183.7	5159.7	5141.7	5084.7	5033.7	4982.7	4901.7	4831.7
29°	5277.7	5269.7	5260.7	5233.7	5202.7	5190.7	5129.7	5067.7	5016.7	4933.7	4859.7
30°	5325.7	5310.7	5289.7	5266.7	5236.7	5213.7	5149.7	5095.7	5035.7	4943.7	4872.7
31°	5327.7	5307.7	5292.7	5268.7	5234.7	5206.7	5139.7	5084.7	5014.7	4928.7	4851.7
32°	5292.7	5282.7	5258.7	5232.7	5199.7	5171.7	5097.7	5039.7	4973.7	4881.7	4804.7
33°	5213.7	5203.7	5189.7	5162.7	5119.7	5093.7	5027.7	4963.7	4898.7	4815.7	4727.7
34°	5104.7	5092.7	5074.7	5047.7	5003.7	4976.7	4923.7	4857.7	4788.7	4702.7	4620.7
35°	4958.7	4935.7	4930.7	4890.7	4849.7	4842.7	4779.7	4710.7	4640.7	4545.8	4474.8
36°	4777.7	4750.7	4732.7	4718.7	4691.7	4658.7	4596.7	4541.8	4451.8	4390.8	4290.8
37°	4530.8	4497.8	4514.8	4476.8	4434.8	4420.8	4341.8	4291.8	4215.8	4132.8	4047.8
38°	4242.8	4239.8	4235.8	4218.8	4146.8	4109.8	4076.8	4023.8	3957.8	3857.8	3742.8
39°	3878.8	3884.8	3863.8	3865.8	3829.8	3792.8	3746.8	3686.8	3606.8	3515.8	3422.8
40°	3524.8	3439.8	3454.8	3403.8	3406.8	3351.8	3291.8	3238.8	3187.8	3107.8	2980.8
42.5°	2438.9	2425.9	2380.9	2348.9	2362.9	2291.9	2212.9	2138.9	2067.9	1977.9	1866.9
45°	1317.9	1287.9	1296.9	1244.9	1244.9	1212.9	1190.9	1128.9	1062.9	1021.9	957.9
47.5°	490.0	496.0	507.0	486.0	462.0	476.0	455.0	455.0	444.0	431.0	413.0
50°	133.0	135.0	133.0	133.0	130.0	128.0	124.0	123.0	122.0	119.0	114.0
52.5°	54.0	51.0	51.0	52.0	52.0	50.0	51.0	51.0	50.0	49.0	49.0
55°	9.0	10.0	10.0	10.0	10.0	9.0	9.0	10.0	11.0	10.0	10.0
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°	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
2.5°	56.0	49.0	41.0	34.0	27.0	23.0	21.0	22.0
5°	95.0	72.0	47.0	30.0	21.0	16.0	13.0	12.0
7.5°	146.0	99.0	53.0	26.0	16.0	8.0	5.0	4.0
10°	224.0	129.0	57.0	22.0	10.0	2.0	0.0	0.0
12.5°	575.0	158.0	58.0	18.0	4.0	0.0	0.0	0.0
15°	1181.9	241.0	56.0	13.0	1.0	0.0	0.0	0.0
17.5°	1964.9	369.0	49.0	9.0	0.0	0.0	0.0	0.0
20°	2725.9	457.0	39.0	4.0	0.0	0.0	0.0	0.0
21°	2954.8	483.0	35.0	3.0	0.0	0.0	0.0	0.0
22°	3141.8	502.0	31.0	2.0	0.0	0.0	0.0	0.0
23°	3297.8	512.0	27.0	1.0	0.0	0.0	0.0	0.0
24°	3406.8	514.0	25.0	1.0	0.0	0.0	0.0	0.0
25°	3458.8	507.0	22.0	0.0	0.0	0.0	0.0	0.0
26°	3478.8	493.0	20.0	0.0	0.0	0.0	0.0	0.0
27°	3463.8	475.0	18.0	0.0	0.0	0.0	0.0	0.0
28°	3436.8	448.0	15.0	0.0	0.0	0.0	0.0	0.0
29°	3383.8	412.0	13.0	0.0	0.0	0.0	0.0	0.0
30°	3332.8	375.0	11.0	0.0	0.0	0.0	0.0	0.0
31°	3274.8	342.0	9.0	0.0	0.0	0.0	0.0	0.0
32°	3203.8	304.0	7.0	0.0	0.0	0.0	0.0	0.0
33°	3085.8	269.0	5.0	0.0	0.0	0.0	0.0	0.0
34°	2920.8	236.0	4.0	0.0	0.0	0.0	0.0	0.0
35°	2699.9	201.0	3.0	0.0	0.0	0.0	0.0	0.0
36°	2457.9	164.0	2.0	0.0	0.0	0.0	0.0	0.0
37°	2161.9	119.0	2.0	0.0	0.0	0.0	0.0	0.0
38°	1852.9	75.0	1.0	0.0	0.0	0.0	0.0	0.0
39°	1536.9	57.0	1.0	0.0	0.0	0.0	0.0	0.0
40°	1247.9	49.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	668.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	394.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	220.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	79.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	11.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
57.5°	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.0	2.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.0	2.0	1.0	0.0	0.0	0.0
67.5°	0.0	1.0	2.0	2.0	1.0	0.0	0.0	0.0
70°	0.0	1.0	2.0	2.0	1.0	0.0	0.0	0.0
72.5°	0.0	1.0	2.0	3.0	1.0	0.0	0.0	0.0
75°	0.0	1.0	2.0	3.0	1.0	0.0	0.0	0.0
77.5°	0.0	1.0	2.0	3.0	1.0	0.0	0.0	0.0
80°	0.0	1.0	2.0	3.0	1.0	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°
82.5°	0.0	1.0	2.0	3.0	1.0	0.0	0.0	0.0
85°	0.0	1.0	2.0	3.0	1.0	0.0	0.0	0.0
87.5°	0.0	1.0	2.0	3.0	1.0	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)