

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: P1306234

Luminaire Tested: P3SQAS20R359024D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306234
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359024D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

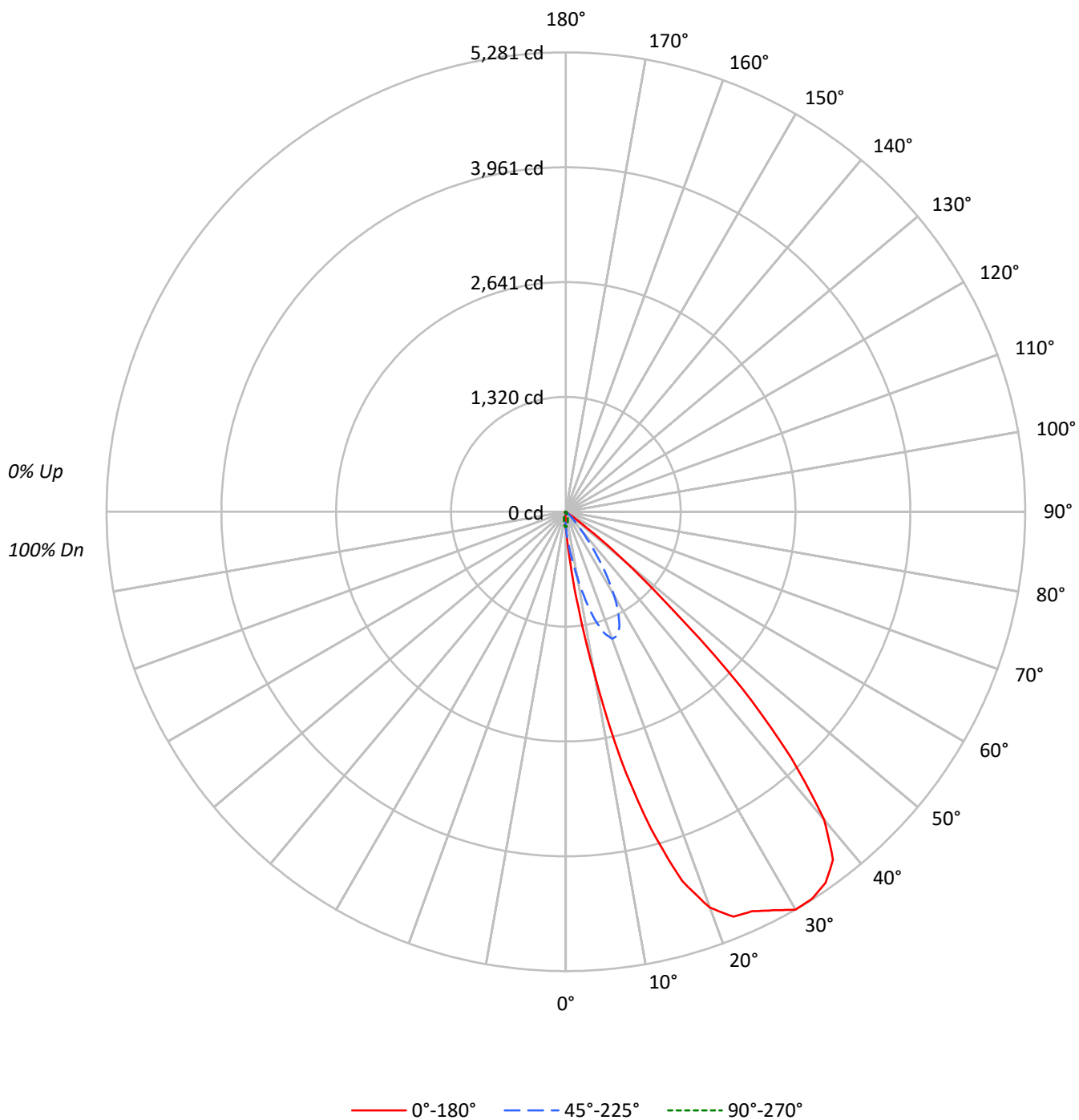
Lumens per Lamp: N/A
Luminaire Lumens: 1661.1 lumens
Efficiency: N/A
Efficacy: 57.7 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	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	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	30036	30036	30036	30036	30036
5°	102328	66507	28093	11860	8765
10°	329333	134815	22157	4424	2868
15°	670989	228632	15690	1587	1070
20°	887292	284737	10117	550	550
25°	962770	276812	5663	285	570
30°	1050249	220602	2367	298	597
35°	1094346	137311	631	315	631
40°	1038492	60005	337	674	1012
45°	693268	23966	365	1096	1827
50°	232510	3992	804	1608	2385
55°	12971	450	901	2252	3123
60°	1033	517	1550	2583	3582
65°	1223	611	1834	3056	4238
70°	755	755	2266	3777	4482
75°	998	998	2994	3993	4991
80°	0	1488	4463	4463	4463
85°	0	2964	8892	2964	5928

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 693268 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.3	1.8
10°-20°	238.5	14.4
20°-30°	503.5	30.3
30°-40°	571.3	34.4
40°-50°	281.2	16.9
50°-60°	24.4	1.5
60°-70°	5.0	0.3
70°-80°	4.6	0.3
80°-90°	2.3	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°	772.3	46.5
0°-40°	1343.6	80.9
0°-60°	1649.2	99.3
0°-90°	1661.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1661.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	174	174	174	174	174	
5°	592	385	162	69	51	97
15°	3763	1282	88	9	6	1070
25°	5066	1457	30	2	3	2358
35°	5205	653	3	2	3	3208
45°	2846	98	2	4	8	2103
55°	43	2	3	8	10	170
65°	3	2	4	8	10	2
75°	2	2	4	6	8	1
85°	0	2	4	2	3	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	174.4	174.4	174.4	174.4	174.4	174.4	174.4	174.4	174.4	174.4	174.4
2.5°	302.7	310.1	307.1	305.7	304.2	298.2	284.8	283.3	269.9	260.9	216.2
5°	591.9	580.0	583.0	566.6	545.7	515.9	496.5	454.8	420.5	384.7	252.0
7.5°	1115.3	1098.9	1067.6	1019.9	970.7	906.5	809.6	732.1	642.6	557.6	280.3
10°	1883.2	1874.2	1834.0	1711.7	1604.3	1432.9	1271.8	1101.9	934.9	770.9	299.7
12.5°	2909.0	2847.8	2774.8	2612.3	2400.5	2185.8	1868.2	1574.5	1307.6	1033.3	301.2
15°	3763.3	3724.6	3621.7	3410.0	3155.0	2844.9	2467.6	2072.5	1669.9	1282.3	286.3
17.5°	4450.7	4391.0	4258.3	4051.1	3757.4	3354.8	2913.4	2431.9	1941.3	1459.7	260.9
20°	4841.3	4810.0	4708.6	4501.4	4180.8	3741.0	3238.5	2677.9	2111.3	1553.6	228.1
22.5°	5038.1	5015.8	4941.2	4775.7	4476.0	4033.2	3457.7	2806.1	2160.5	1543.2	193.8
25°	5066.5	5060.5	4996.4	4871.2	4620.7	4182.3	3553.1	2830.0	2120.2	1456.7	161.0
27.5°	5164.9	5144.0	5068.0	4942.7	4690.7	4207.7	3520.3	2747.9	1990.5	1304.6	134.2
30°	5281.2	5266.3	5190.2	5060.5	4762.3	4183.8	3404.0	2566.0	1783.3	1109.3	99.9
32.5°	5272.2	5266.3	5202.2	5065.0	4711.6	4043.6	3196.7	2293.2	1501.5	875.2	62.6
35°	5205.1	5184.3	5103.8	4892.0	4422.4	3682.8	2803.1	1923.4	1188.3	653.1	40.3
37.5°	5044.1	4999.4	4863.7	4504.4	3905.0	3126.7	2282.7	1485.1	840.9	436.9	25.3
40°	4619.2	4562.5	4289.7	3855.8	3228.1	2463.2	1698.3	1021.3	554.7	266.9	10.4
42.5°	3831.9	3717.1	3444.3	2998.4	2409.5	1741.5	1115.3	662.0	326.5	161.0	3.0
45°	2846.4	2758.4	2472.1	2068.0	1579.0	1116.8	675.4	357.8	180.4	98.4	1.5
47.5°	1658.0	1604.3	1456.7	1191.3	872.2	586.0	345.9	192.3	105.9	47.7	1.5
50°	867.8	800.7	688.9	521.9	384.7	269.9	168.5	102.9	52.2	14.9	1.5
52.5°	304.2	299.7	272.9	205.8	167.0	120.8	82.0	44.7	14.9	3.0	1.5
55°	43.2	43.2	40.3	44.7	47.7	43.2	28.3	11.9	3.0	1.5	1.5
57.5°	3.0	3.0	3.0	4.5	6.0	6.0	4.5	1.5	1.5	1.5	3.0
60°	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
62.5°	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
65°	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
67.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5
77.5°	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	3.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	3.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	3.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	3.0
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):

	90°	112.5°	135°	157.5°	180°
0°	174.4	174.4	174.4	174.4	174.4
2.5°	173.0	138.7	110.3	96.9	92.4
5°	162.5	104.4	68.6	53.7	50.7
7.5°	144.6	74.6	41.7	29.8	28.3
10°	126.7	53.7	25.3	17.9	16.4
12.5°	105.9	37.3	16.4	10.4	8.9
15°	88.0	25.3	8.9	7.5	6.0
17.5°	70.1	16.4	6.0	4.5	6.0
20°	55.2	10.4	3.0	3.0	3.0
22.5°	41.7	6.0	3.0	3.0	3.0
25°	29.8	3.0	1.5	1.5	3.0
27.5°	20.9	1.5	1.5	1.5	3.0
30°	11.9	1.5	1.5	1.5	3.0
32.5°	6.0	1.5	1.5	3.0	3.0
35°	3.0	1.5	1.5	3.0	3.0
37.5°	1.5	1.5	1.5	3.0	4.5
40°	1.5	1.5	3.0	4.5	4.5
42.5°	1.5	1.5	3.0	4.5	6.0
45°	1.5	3.0	4.5	6.0	7.5
47.5°	3.0	3.0	6.0	7.5	8.9
50°	3.0	4.5	6.0	8.9	8.9
52.5°	3.0	4.5	7.5	8.9	10.4
55°	3.0	6.0	7.5	10.4	10.4
57.5°	4.5	6.0	7.5	10.4	10.4
60°	4.5	6.0	7.5	10.4	10.4
62.5°	4.5	6.0	7.5	10.4	10.4
65°	4.5	6.0	7.5	10.4	10.4
67.5°	4.5	6.0	7.5	8.9	10.4
70°	4.5	6.0	7.5	8.9	8.9
72.5°	6.0	6.0	7.5	8.9	8.9
75°	4.5	6.0	6.0	7.5	7.5
77.5°	4.5	4.5	4.5	6.0	6.0
80°	4.5	4.5	4.5	4.5	4.5
82.5°	4.5	3.0	3.0	4.5	4.5
85°	4.5	3.0	1.5	3.0	3.0
87.5°	3.0	3.0	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)