

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: P1307335

Luminaire Tested: P3SQAS24R309027D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307335
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R309027D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

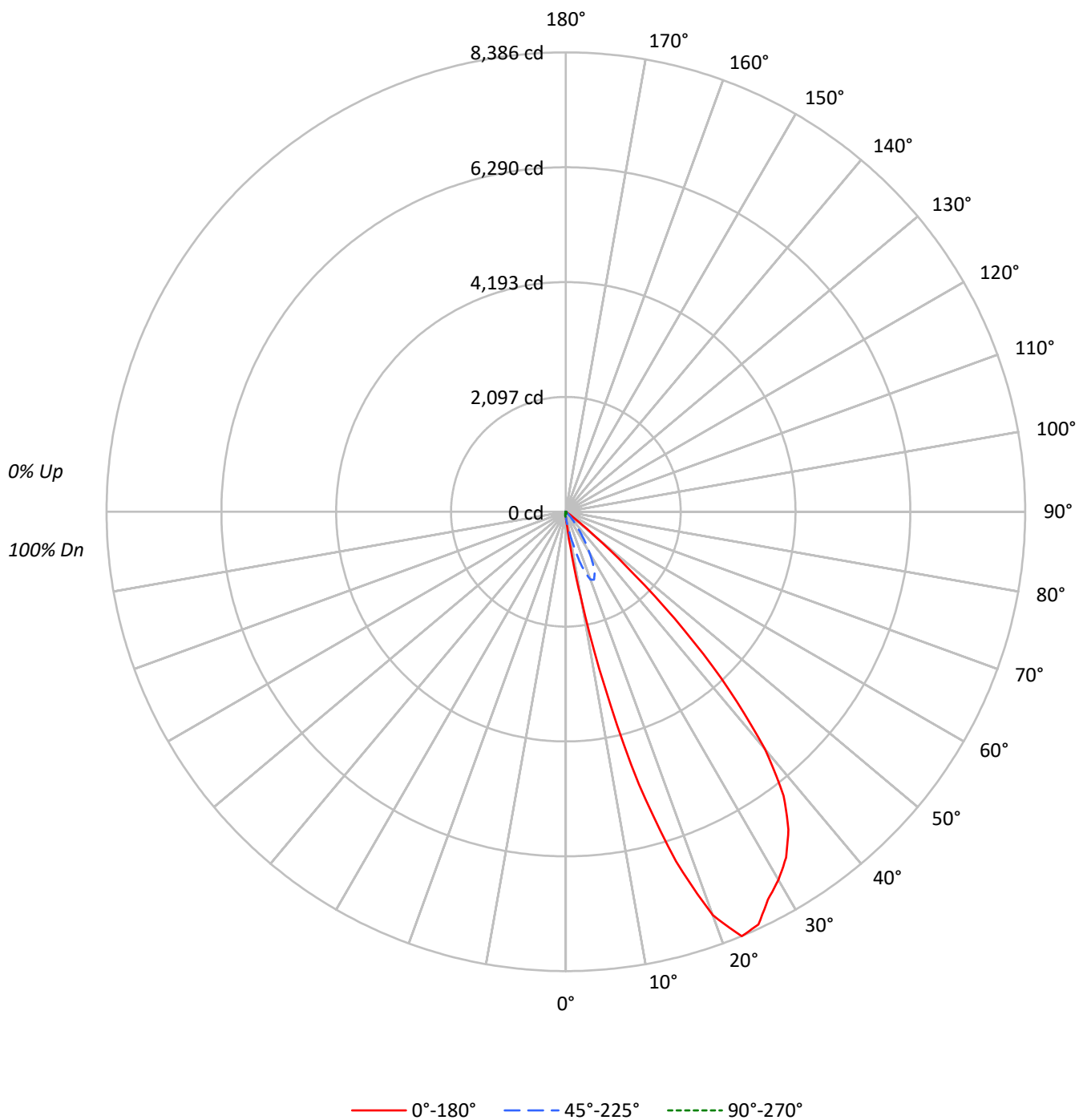
Lumens per Lamp: N/A
Luminaire Lumens: 1976.9 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	16172	16172	16172	16172	16172
5°	48718	32484	15300	6863	5619
10°	282116	68868	11997	3165	2203
15°	917664	156225	8380	642	321
20°	1435945	241704	5297	0	0
25°	1579806	236184	2755	0	0
30°	1542998	170289	1074	0	0
35°	1489250	96860	378	0	0
40°	1270012	41030	0	0	0
45°	745365	15393	438	0	438
50°	181014	2894	482	482	1447
55°	15734	0	1081	1621	2162
60°	620	0	1240	1860	3100
65°	734	734	2201	2201	3668
70°	906	906	2719	2719	3626
75°	0	1198	3593	3593	3593
80°	0	1785	5356	3570	3570
85°	0	3557	10671	3557	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 745365 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.3	0.9
10°-20°	271.7	13.7
20°-30°	690.5	34.9
30°-40°	688.2	34.8
40°-50°	278.8	14.1
50°-60°	19.3	1.0
60°-70°	4.3	0.2
70°-80°	4.3	0.2
80°-90°	2.5	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°	979.5	49.5
0°-40°	1667.7	84.4
0°-60°	1965.8	99.4
0°-90°	1976.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1976.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	94	94	94	94	94	
5°	282	188	88	40	32	65
15°	5147	876	47	4	2	1498
25°	8314	1243	14	0	0	3754
35°	7083	461	2	0	0	4342
45°	3060	63	2	0	2	2335
55°	52	0	4	5	7	137
65°	2	2	5	5	9	2
75°	0	2	5	5	5	1
85°	0	2	5	2	2	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°	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
2.5°	155.4	157.2	157.2	153.6	151.7	151.7	146.3	144.5	139.1	133.7	115.6
5°	281.8	276.4	269.2	269.2	252.9	243.9	231.2	216.8	205.9	187.9	133.7
7.5°	639.5	596.2	583.5	567.2	505.8	457.1	401.0	352.3	307.1	269.2	148.1
10°	1613.2	1528.3	1457.9	1315.2	1136.3	964.7	805.7	621.4	495.0	393.8	159.0
12.5°	3249.9	3136.1	3000.6	2740.5	2406.3	1978.1	1598.8	1194.1	838.2	579.9	162.6
15°	5146.8	4953.5	4742.1	4411.5	3864.2	3249.9	2565.3	1920.3	1345.9	876.2	159.0
17.5°	6693.2	6617.3	6304.8	5853.1	5182.9	4391.7	3548.0	2666.4	1815.6	1147.1	148.1
20°	7834.9	7782.5	7404.9	6924.4	6169.3	5262.4	4191.1	3132.5	2142.5	1318.8	131.9
22.5°	8385.9	8376.9	8104.1	7612.7	6812.4	5784.5	4604.8	3401.7	2243.7	1342.2	110.2
25°	8313.6	8346.1	8190.8	7825.9	7058.1	5999.5	4727.7	3401.7	2169.6	1242.9	92.1
27.5°	7984.8	8006.5	7909.0	7629.0	6913.6	5844.1	4556.1	3183.1	1954.7	1067.7	75.9
30°	7759.0	7768.1	7647.0	7347.1	6588.4	5490.0	4151.4	2778.4	1629.5	856.3	56.0
32.5°	7484.4	7482.6	7341.7	6998.5	6162.1	4993.2	3638.3	2296.1	1251.9	650.3	32.5
35°	7083.4	7038.2	6846.7	6451.1	5526.2	4324.8	2982.6	1748.7	901.5	460.7	19.9
37.5°	6532.4	6415.0	6144.0	5614.7	4633.7	3390.8	2211.2	1228.4	616.0	305.3	12.6
40°	5649.0	5524.4	5155.8	4512.7	3504.7	2440.6	1490.4	800.3	388.4	182.5	7.2
42.5°	4429.6	4344.7	3847.9	3206.6	2314.2	1557.2	896.0	473.3	218.6	104.8	1.8
45°	3060.3	2950.1	2559.8	2016.1	1389.2	863.5	502.2	247.5	124.7	63.2	0.0
47.5°	1689.1	1553.6	1327.8	1044.2	699.1	453.4	252.9	133.7	70.5	30.7	0.0
50°	675.6	670.2	532.9	379.4	267.4	205.9	126.5	72.3	36.1	10.8	1.8
52.5°	236.7	236.7	204.1	166.2	130.1	93.9	63.2	34.3	12.6	3.6	1.8
55°	52.4	57.8	54.2	50.6	48.8	41.6	27.1	12.6	3.6	0.0	1.8
57.5°	5.4	5.4	5.4	7.2	9.0	9.0	7.2	3.6	0.0	0.0	1.8
60°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	3.6
62.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	1.8	1.8	3.6
65°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6
67.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6
70°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.4
72.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.4
75°	0.0	0.0	1.8	1.8	0.0	1.8	1.8	1.8	1.8	1.8	5.4
77.5°	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	3.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	3.6
82.5°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	3.6
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°	93.9	93.9	93.9	93.9	93.9
2.5°	93.9	74.1	61.4	54.2	52.4
5°	88.5	56.0	39.7	34.3	32.5
7.5°	79.5	41.6	27.1	21.7	19.9
10°	68.6	30.7	18.1	12.6	12.6
12.5°	57.8	23.5	10.8	5.4	3.6
15°	47.0	14.5	3.6	1.8	1.8
17.5°	36.1	9.0	0.0	0.0	0.0
20°	28.9	3.6	0.0	0.0	0.0
22.5°	21.7	1.8	0.0	0.0	0.0
25°	14.5	0.0	0.0	0.0	0.0
27.5°	9.0	0.0	0.0	0.0	0.0
30°	5.4	0.0	0.0	0.0	0.0
32.5°	1.8	0.0	0.0	0.0	0.0
35°	1.8	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	1.8	0.0	0.0	1.8	1.8
47.5°	1.8	1.8	1.8	3.6	3.6
50°	1.8	1.8	1.8	3.6	5.4
52.5°	3.6	1.8	3.6	5.4	5.4
55°	3.6	3.6	5.4	7.2	7.2
57.5°	3.6	3.6	5.4	7.2	7.2
60°	3.6	3.6	5.4	7.2	9.0
62.5°	5.4	5.4	5.4	7.2	7.2
65°	5.4	5.4	5.4	7.2	9.0
67.5°	5.4	5.4	5.4	7.2	9.0
70°	5.4	5.4	5.4	7.2	7.2
72.5°	7.2	5.4	5.4	7.2	7.2
75°	5.4	5.4	5.4	5.4	5.4
77.5°	5.4	5.4	3.6	5.4	5.4
80°	5.4	3.6	3.6	3.6	3.6
82.5°	5.4	3.6	3.6	3.6	3.6
85°	5.4	3.6	1.8	1.8	1.8
87.5°	5.4	3.6	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)