

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: P1308453

Luminaire Tested: P3SQAS24R309030D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308453
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: P3SQAS24R309030D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

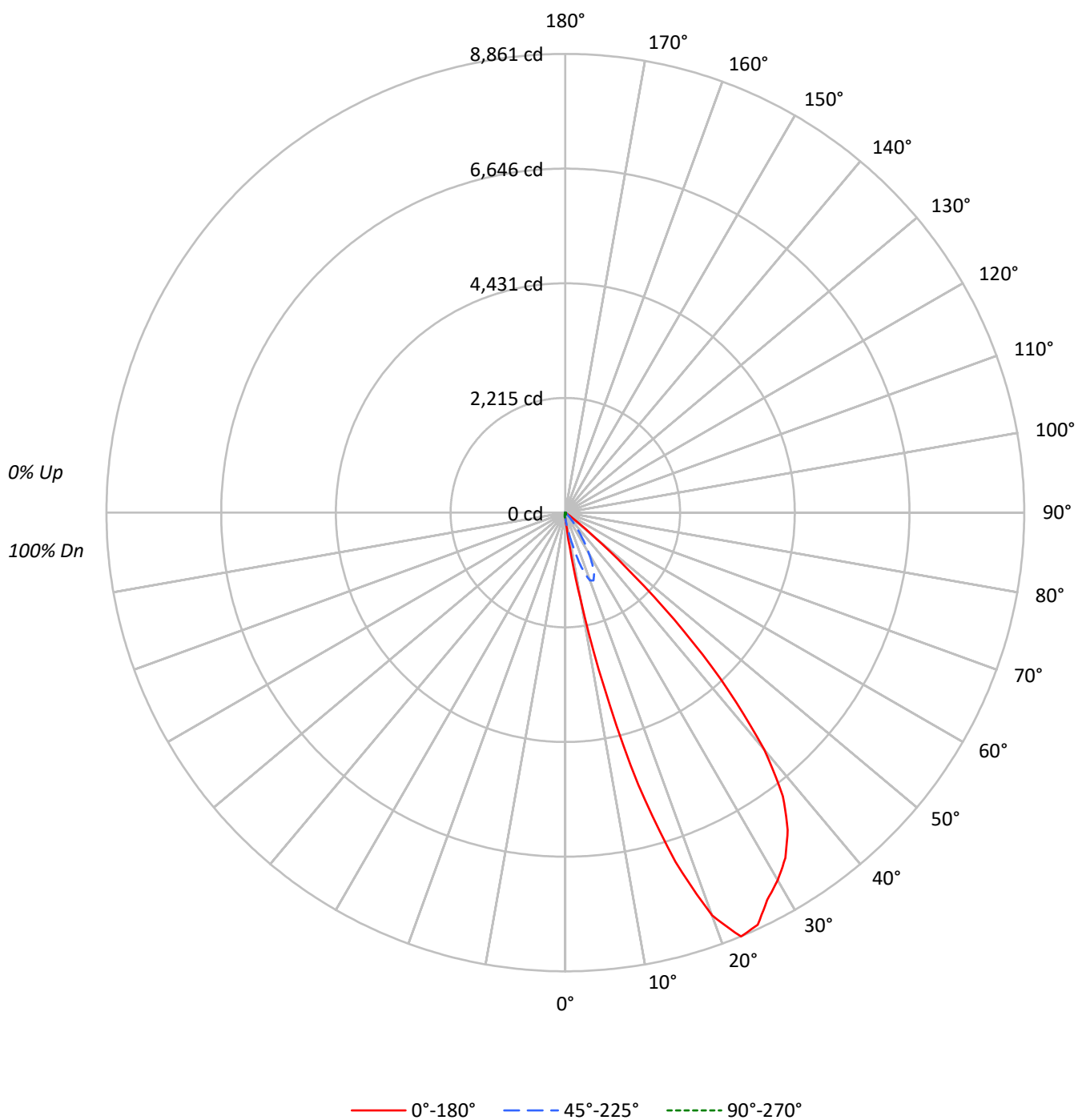
Lumens per Lamp: N/A
Luminaire Lumens: 2088.9 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	17102	17102	17102	17102	17102
5°	51484	34317	16164	7261	5947
10°	298100	72767	12679	3340	2343
15°	969656	165068	8844	678	339
20°	1517301	255394	5590	0	0
25°	1669308	249562	2907	0	0
30°	1630419	179934	1134	0	0
35°	1573621	102347	399	0	0
40°	1341955	43345	0	0	0
45°	787574	16270	463	0	463
50°	191276	3081	509	509	1527
55°	16634	0	1141	1711	2282
60°	654	0	1309	1963	3272
65°	774	774	2323	2323	3871
70°	957	957	2870	2870	3827
75°	0	1264	3793	3793	3793
80°	0	1884	5653	3769	3769
85°	0	3754	11263	3754	3754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 787574 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.2	0.9
10°-20°	287.1	13.7
20°-30°	729.6	34.9
30°-40°	727.2	34.8
40°-50°	294.6	14.1
50°-60°	20.3	1.0
60°-70°	4.6	0.2
70°-80°	4.6	0.2
80°-90°	2.6	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°	1035.0	49.5
0°-40°	1762.2	84.4
0°-60°	2077.1	99.4
0°-90°	2088.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2088.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	99	99	99	99	99	
5°	298	198	94	42	34	69
15°	5438	926	50	4	2	1583
25°	8785	1313	15	0	0	3966
35°	7485	487	2	0	0	4588
45°	3234	67	2	0	2	2467
55°	55	0	4	6	8	145
65°	2	2	6	6	10	2
75°	0	2	6	6	6	1
85°	0	2	6	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°	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2.5°	164.2	166.1	166.1	162.3	160.3	160.3	154.6	152.7	147.0	141.3	122.2
5°	297.8	292.1	284.4	284.4	267.2	257.7	244.3	229.1	217.6	198.5	141.3
7.5°	675.7	629.9	616.6	599.4	534.5	482.9	423.8	372.2	324.5	284.4	156.5
10°	1704.6	1614.9	1540.5	1389.7	1200.7	1019.3	851.4	656.7	523.0	416.1	168.0
12.5°	3434.1	3313.8	3170.6	2895.8	2542.6	2090.2	1689.3	1261.8	885.7	612.7	171.8
15°	5438.4	5234.1	5010.8	4661.5	4083.1	3434.1	2710.6	2029.1	1422.1	925.8	168.0
17.5°	7072.4	6992.2	6661.9	6184.7	5476.5	4640.5	3749.0	2817.5	1918.4	1212.1	156.5
20°	8278.8	8223.4	7824.4	7316.7	6518.8	5560.5	4428.6	3310.0	2263.9	1393.5	139.3
22.5°	8861.0	8851.4	8563.2	8044.0	7198.3	6112.2	4865.7	3594.4	2370.8	1418.3	116.4
25°	8784.6	8819.0	8654.8	8269.2	7457.9	6339.3	4995.5	3594.4	2292.6	1313.3	97.4
27.5°	8437.2	8460.1	8357.0	8061.1	7305.2	6175.2	4814.2	3363.4	2065.4	1128.1	80.2
30°	8198.6	8208.1	8080.2	7763.4	6961.6	5801.0	4386.6	2935.8	1721.8	904.8	59.2
32.5°	7908.4	7906.5	7757.6	7395.0	6511.1	5276.1	3844.5	2426.2	1322.8	687.2	34.4
35°	7484.7	7436.9	7234.6	6816.6	5839.2	4569.8	3151.5	1847.8	952.5	486.8	21.0
37.5°	6902.5	6778.4	6492.1	5932.8	4896.2	3582.9	2336.5	1298.0	650.9	322.6	13.4
40°	5969.0	5837.3	5447.9	4768.4	3703.2	2578.9	1574.8	845.6	410.4	192.8	7.6
42.5°	4680.5	4590.8	4065.9	3388.2	2445.3	1645.4	946.8	500.1	231.0	110.7	1.9
45°	3233.6	3117.2	2704.9	2130.3	1467.9	912.4	530.7	261.5	131.7	66.8	0.0
47.5°	1784.8	1641.6	1403.0	1103.3	738.7	479.1	267.2	141.3	74.4	32.5	0.0
50°	713.9	708.2	563.1	400.9	282.5	217.6	133.6	76.4	38.2	11.5	1.9
52.5°	250.1	250.1	215.7	175.6	137.4	99.3	66.8	36.3	13.4	3.8	1.9
55°	55.4	61.1	57.3	53.4	51.5	43.9	28.6	13.4	3.8	0.0	1.9
57.5°	5.7	5.7	5.7	7.6	9.5	9.5	7.6	3.8	0.0	0.0	1.9
60°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	3.8
62.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	1.9	1.9	3.8
65°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8
67.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8
70°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	5.7
72.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	5.7
75°	0.0	0.0	1.9	1.9	0.0	1.9	1.9	1.9	1.9	1.9	5.7
77.5°	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	3.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	3.8
82.5°	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	3.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	3.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	3.8
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°	99.3	99.3	99.3	99.3	99.3
2.5°	99.3	78.3	64.9	57.3	55.4
5°	93.5	59.2	42.0	36.3	34.4
7.5°	84.0	43.9	28.6	22.9	21.0
10°	72.5	32.5	19.1	13.4	13.4
12.5°	61.1	24.8	11.5	5.7	3.8
15°	49.6	15.3	3.8	1.9	1.9
17.5°	38.2	9.5	0.0	0.0	0.0
20°	30.5	3.8	0.0	0.0	0.0
22.5°	22.9	1.9	0.0	0.0	0.0
25°	15.3	0.0	0.0	0.0	0.0
27.5°	9.5	0.0	0.0	0.0	0.0
30°	5.7	0.0	0.0	0.0	0.0
32.5°	1.9	0.0	0.0	0.0	0.0
35°	1.9	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°	1.9	0.0	0.0	1.9	1.9
47.5°	1.9	1.9	1.9	3.8	3.8
50°	1.9	1.9	1.9	3.8	5.7
52.5°	3.8	1.9	3.8	5.7	5.7
55°	3.8	3.8	5.7	7.6	7.6
57.5°	3.8	3.8	5.7	7.6	7.6
60°	3.8	3.8	5.7	7.6	9.5
62.5°	5.7	5.7	5.7	7.6	7.6
65°	5.7	5.7	5.7	7.6	9.5
67.5°	5.7	5.7	5.7	7.6	9.5
70°	5.7	5.7	5.7	7.6	7.6
72.5°	7.6	5.7	5.7	7.6	7.6
75°	5.7	5.7	5.7	5.7	5.7
77.5°	5.7	5.7	3.8	5.7	5.7
80°	5.7	3.8	3.8	3.8	3.8
82.5°	5.7	3.8	3.8	3.8	3.8
85°	5.7	3.8	1.9	1.9	1.9
87.5°	5.7	3.8	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)