

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: P1307834

Luminaire Tested: P3SQAS09R309030DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307834
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R309030DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

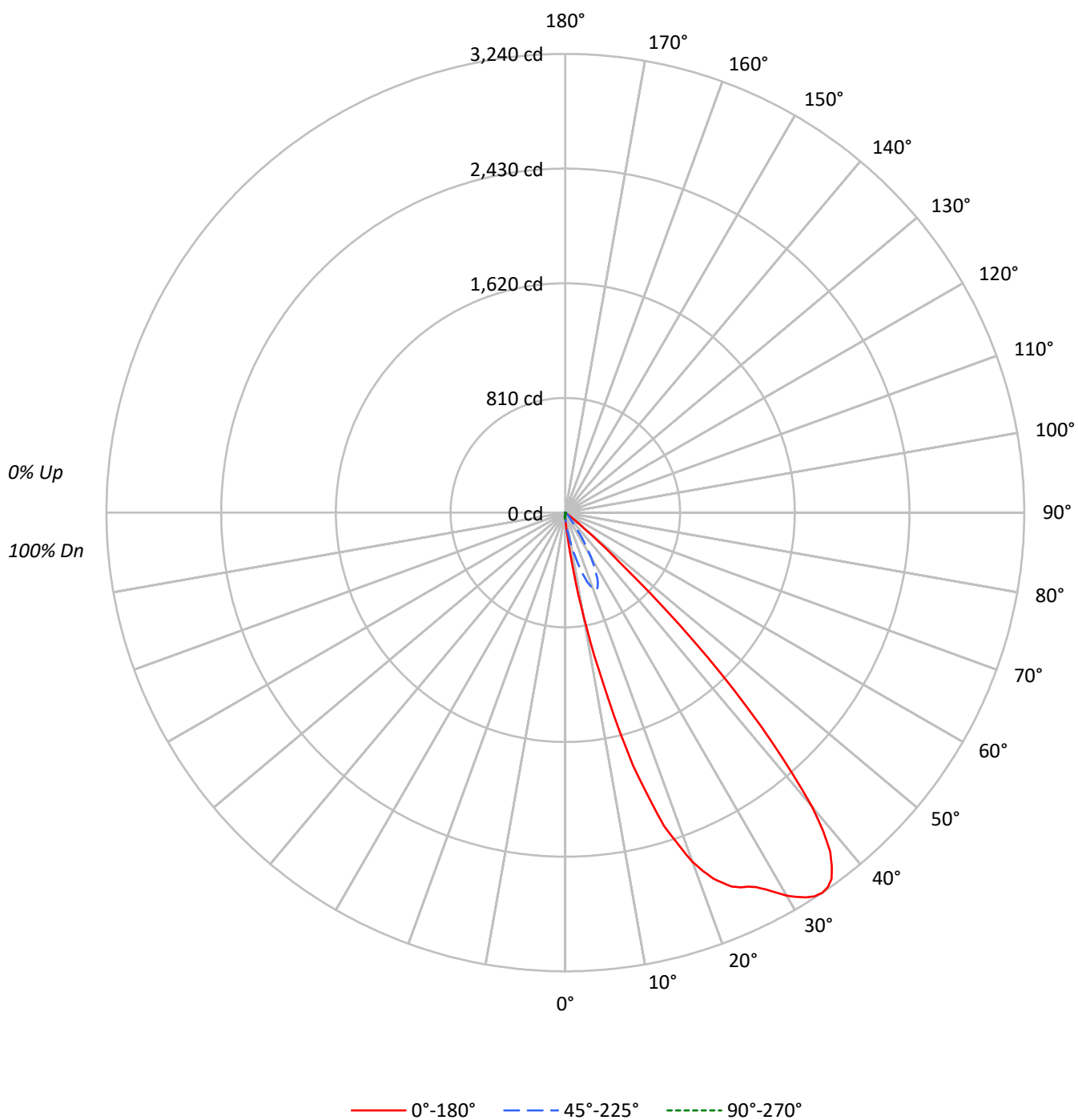
Lumens per Lamp: N/A
Luminaire Lumens: 780.0 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1307834

CATALOG NUMBER: P3SQAS09R309030DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1307834

CATALOG NUMBER: P3SQAS09R309030DE010 E3SQCA301MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
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	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	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	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7182	7182	7182	7182	7182
5°	26070	16199	6587	2662	1902
10°	129026	38788	5124	507	0
15°	329156	73869	3263	0	0
20°	480952	105035	1338	0	0
25°	554859	103070	285	0	0
30°	620998	70736	0	0	0
35°	679154	30465	0	0	0
40°	609556	11848	0	0	0
45°	311294	4822	0	0	0
50°	48040	589	0	0	0
55°	2852	0	210	0	0
60°	0	0	241	0	0
65°	0	0	611	0	0
70°	0	352	755	0	0
75°	0	466	1464	0	0
80°	0	694	2182	0	0
85°	0	1383	4347	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 311294 cd/sqm

TEST NUMBER: P1307834

CATALOG NUMBER: P3SQAS09R309030DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.7	1.1
10°-20°	103.9	13.3
20°-30°	256.8	32.9
30°-40°	295.4	37.9
40°-50°	109.6	14.0
50°-60°	4.0	0.5
60°-70°	0.4	0.0
70°-80°	0.6	0.1
80°-90°	0.6	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°	369.5	47.4
0°-40°	664.8	85.2
0°-60°	778.4	99.8
0°-90°	780.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	780.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	42	42	42	42	42	
5°	151	94	38	15	11	33
15°	1846	414	18	0	0	531
25°	2920	542	2	0	0	1349
35°	3230	145	0	0	0	1958
45°	1278	20	0	0	0	995
55°	10	0	1	0	0	33
65°	0	0	2	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1307834

CATALOG NUMBER: P3SQAS09R309030DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
2.5°	73.9	74.7	74.7	72.5	71.7	71.0	68.8	62.2	52.0	41.7	33.7
5°	150.8	151.5	151.5	147.1	138.3	129.6	122.2	93.7	60.0	38.1	24.9
7.5°	355.7	356.5	341.1	323.5	288.4	270.1	236.4	144.2	68.1	34.4	16.1
10°	737.8	721.7	681.5	630.2	576.1	505.8	434.8	221.8	73.9	29.3	10.2
12.5°	1233.4	1218.0	1166.1	1092.9	986.7	849.1	714.4	311.8	74.7	23.4	5.9
15°	1846.1	1802.9	1740.7	1619.2	1462.5	1249.5	1027.0	414.3	71.7	18.3	1.5
17.5°	2321.1	2281.6	2202.6	2060.5	1865.8	1629.4	1356.4	511.7	63.7	11.7	0.0
20°	2624.2	2582.5	2508.5	2383.4	2176.2	1898.8	1586.2	573.1	52.7	7.3	0.0
21°	2710.5	2670.3	2597.8	2473.4	2267.0	1990.3	1642.6	586.3	47.6	5.9	0.0
22°	2786.7	2755.2	2687.9	2552.4	2342.4	2057.6	1699.7	587.8	43.9	4.4	0.0
23°	2840.1	2817.4	2750.1	2625.6	2416.3	2112.5	1730.4	579.0	39.5	2.9	0.0
24°	2891.4	2863.5	2805.7	2690.1	2474.8	2158.6	1758.2	562.9	35.1	2.2	0.0
25°	2919.9	2887.7	2843.0	2734.7	2523.2	2187.9	1775.1	542.4	30.7	1.5	0.0
26°	2939.7	2914.8	2865.7	2761.1	2543.7	2206.9	1777.3	512.4	27.8	0.7	0.0
27°	2969.7	2944.8	2897.2	2784.5	2552.4	2204.0	1764.1	478.0	24.2	0.0	0.0
28°	3015.1	2982.1	2934.5	2809.4	2556.1	2191.6	1734.8	440.7	20.5	0.0	0.0
29°	3067.0	3033.4	2981.4	2842.3	2556.8	2166.7	1688.7	399.7	18.3	0.0	0.0
30°	3122.7	3093.4	3040.7	2874.5	2564.9	2134.5	1635.3	355.7	14.6	0.0	0.0
31°	3166.6	3140.2	3083.9	2903.8	2571.5	2106.7	1569.4	311.8	12.4	0.0	0.0
32°	3204.6	3181.2	3111.7	2910.4	2558.3	2067.1	1499.1	269.4	10.2	0.0	0.0
33°	3231.0	3201.7	3120.5	2893.5	2520.2	2002.0	1420.8	229.1	8.1	0.0	0.0
34°	3240.5	3205.4	3107.3	2849.6	2443.4	1903.2	1319.0	187.4	6.6	0.0	0.0
35°	3230.3	3187.1	3059.7	2774.2	2339.4	1785.3	1196.8	144.9	5.1	0.0	0.0
36°	3197.3	3142.4	2991.6	2666.6	2190.8	1646.2	1074.6	112.7	3.7	0.0	0.0
37°	3126.3	3065.6	2875.2	2524.6	2043.7	1486.7	935.5	87.8	2.2	0.0	0.0
38°	3039.2	2951.4	2720.1	2345.3	1853.4	1307.3	797.9	72.5	1.5	0.0	0.0
39°	2890.6	2794.0	2535.6	2138.9	1666.7	1136.8	663.9	63.0	0.7	0.0	0.0
40°	2711.3	2596.4	2324.8	1917.8	1446.4	958.2	554.1	52.7	0.7	0.0	0.0
42.5°	2045.2	1947.8	1655.8	1304.4	884.2	565.1	307.4	34.4	0.0	0.0	0.0
45°	1278.1	1176.3	978.7	715.2	478.7	292.8	147.9	19.8	0.0	0.0	0.0
47.5°	521.9	478.7	393.8	303.0	216.7	137.6	61.5	8.8	0.0	0.0	0.0
50°	179.3	159.6	134.0	98.1	69.5	47.6	32.2	2.2	0.0	0.0	0.0
52.5°	52.0	52.7	46.1	39.5	30.7	22.0	16.1	0.0	0.0	0.0	0.0
55°	9.5	8.1	9.5	8.8	9.5	8.1	5.9	0.0	0.0	0.7	0.0
57.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	0.7



TEST NUMBER: P1307834

CATALOG NUMBER: P3SQAS09R309030DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	0.7
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: P1307834

CATALOG NUMBER: P3SQAS09R309030DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	41.7	41.7	41.7
2.5°	27.1	24.2	22.7
5°	15.4	11.7	11.0
7.5°	8.1	5.1	4.4
10°	2.9	0.7	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0

TEST NUMBER: P1307834

CATALOG NUMBER: P3SQAS09R309030DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.0	0.0	0.0
85°	0.0	0.0	0.0
87.5°	0.0	0.0	0.0
90°	0.0	0.0	0.0

(END OF REPORT)