

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: P1341021

Luminaire Tested: P3A09R259830DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1341021
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R259830DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

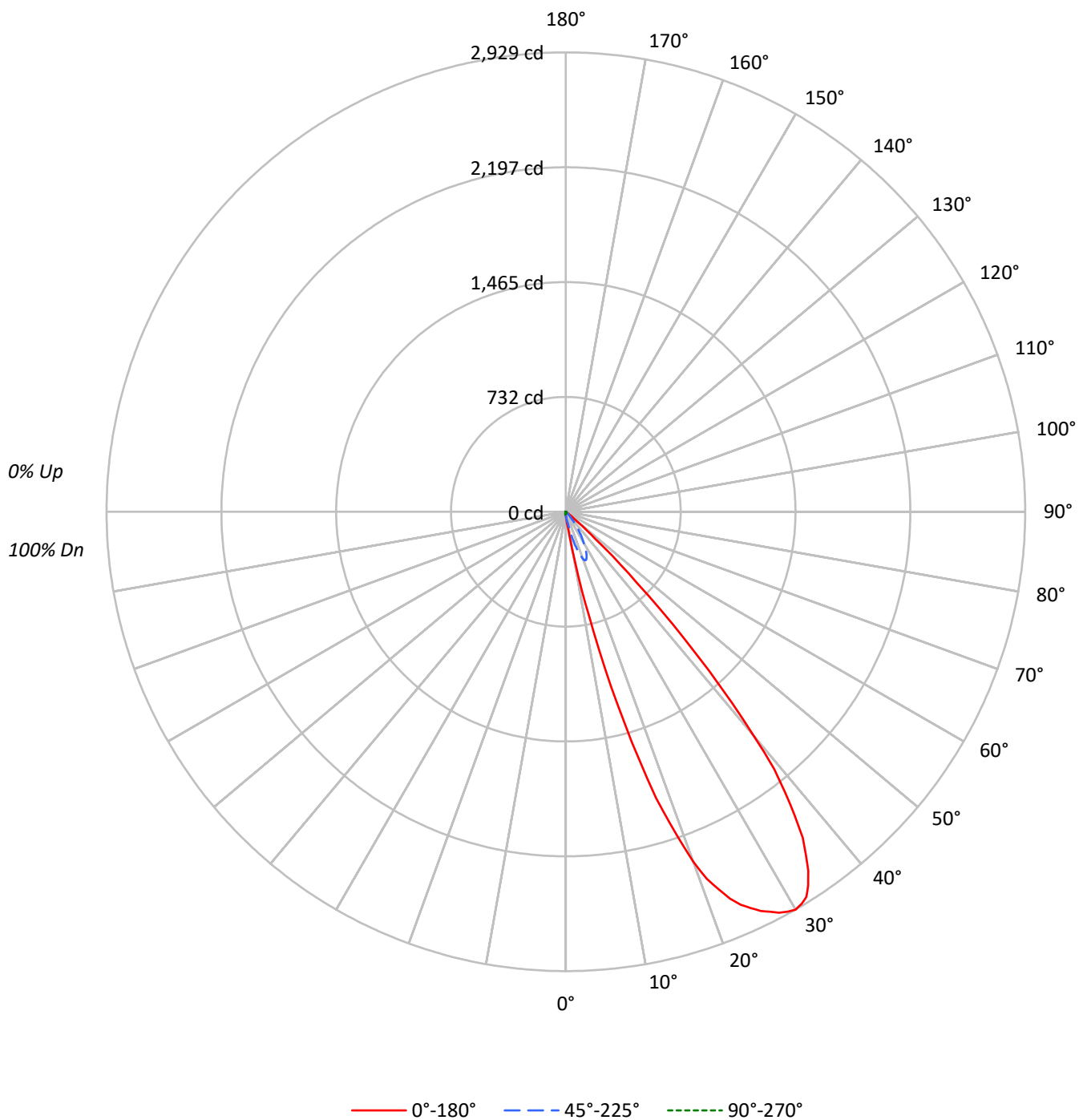
Lumens per Lamp: N/A
Luminaire Lumens: 585.9 lumens
Efficiency: N/A
Efficacy: 53.3 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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: P1341021

CATALOG NUMBER: P3A09R259830DE010 E3CA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1341021

CATALOG NUMBER: P3A09R259830DE010 E3CA301MW

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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5526	5526	5526	5526	5526
5°	13845	10236	5173	2641	2047
10°	60498	17412	4253	1225	846
15°	287720	46924	2974	499	363
20°	553841	75140	1913	117	117
25°	674531	75803	1065	0	0
30°	741608	58009	405	0	0
35°	714685	36888	134	0	0
40°	534000	15973	0	0	143
45°	197695	4249	155	155	496
50°	23300	546	375	375	751
55°	2294	0	421	612	1032
60°	219	0	702	965	1184
65°	259	259	1141	1401	1712
70°	321	321	1410	1410	2116
75°	424	424	1356	1356	1864
80°	0	631	2020	1389	2020
85°	0	1258	4026	1258	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 197695 cd/sqm

TEST NUMBER: P1341021

CATALOG NUMBER: P3A09R259830DE010 E3CA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.6
10°-20°	68.3	11.7
20°-30°	214.4	36.6
30°-40°	225.7	38.5
40°-50°	66.3	11.3
50°-60°	3.5	0.6
60°-70°	1.7	0.3
70°-80°	1.5	0.2
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°	286.4	48.9
0°-40°	512.1	87.4
0°-60°	582.0	99.3
0°-90°	585.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	585.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	25	25	25	25	25	
5°	63	46	24	12	9	11
15°	1267	207	13	2	2	399
25°	2788	313	4	0	0	1279
35°	2670	138	0	0	0	1611
45°	638	14	0	0	2	579
55°	6	0	1	2	3	15
65°	0	0	2	3	3	0
75°	0	0	2	2	2	0
85°	0	0	2	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1341021

CATALOG NUMBER: P3A09R259830DE010 E3CA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
2.5°	38.8	39.4	37.7	38.8	37.7	37.2	36.6	33.9	29.5	25.2	20.8
5°	62.9	62.9	60.1	59.6	58.5	56.3	54.1	46.5	33.4	23.5	16.4
7.5°	98.4	97.9	96.8	94.0	88.6	83.1	77.6	60.7	36.6	21.9	12.6
10°	271.7	267.9	263.0	233.5	200.1	170.6	144.9	78.2	39.4	19.1	9.3
12.5°	675.2	653.4	601.4	542.4	466.9	387.6	310.0	127.4	40.5	15.9	6.6
15°	1267.4	1222.0	1141.1	1023.0	868.8	695.5	547.8	206.7	39.4	13.1	4.9
17.5°	1913.6	1869.9	1757.8	1578.5	1351.6	1085.3	823.9	273.9	36.6	10.9	3.3
20°	2373.4	2326.9	2222.0	2031.7	1786.2	1431.4	1084.7	322.0	34.4	8.2	1.6
21°	2507.9	2461.4	2350.5	2166.8	1908.7	1552.8	1168.4	330.2	32.8	7.1	1.1
22°	2593.2	2565.9	2446.7	2268.4	2005.5	1650.1	1240.0	334.1	31.7	6.6	1.1
23°	2679.1	2638.0	2526.5	2338.4	2079.3	1722.2	1293.1	331.3	30.6	5.5	0.5
24°	2742.5	2708.0	2578.5	2392.6	2130.7	1766.5	1324.2	324.2	29.0	4.9	0.5
25°	2787.9	2756.1	2621.1	2429.2	2165.1	1790.6	1334.1	313.3	27.3	4.4	0.5
26°	2831.0	2796.6	2656.6	2450.5	2183.2	1798.2	1324.8	301.3	25.7	3.8	0.0
27°	2862.2	2827.2	2681.2	2463.1	2184.2	1789.0	1299.6	284.9	24.1	3.3	0.0
28°	2895.6	2855.1	2698.2	2470.2	2177.7	1767.1	1263.5	267.4	23.0	2.7	0.0
29°	2915.8	2877.5	2715.7	2477.9	2164.0	1730.4	1211.0	246.6	20.2	1.6	0.0
30°	2928.9	2883.5	2714.0	2469.6	2146.0	1691.1	1148.2	229.1	17.5	1.6	0.0
31°	2918.0	2870.4	2696.5	2446.7	2117.0	1639.7	1083.6	207.2	14.2	1.1	0.0
32°	2894.5	2838.2	2665.9	2406.8	2065.1	1573.5	1016.9	189.2	10.4	1.1	0.0
33°	2837.1	2789.5	2610.7	2353.2	1997.3	1483.9	930.0	171.7	7.1	0.5	0.0
34°	2764.9	2717.3	2535.3	2281.6	1906.5	1368.0	824.5	153.6	6.0	0.5	0.0
35°	2669.8	2622.7	2450.0	2181.5	1786.2	1228.5	715.7	137.8	4.9	0.5	0.0
36°	2569.7	2507.4	2342.3	2074.9	1624.9	1070.0	599.2	119.7	3.8	0.5	0.0
37°	2422.6	2380.5	2197.4	1912.5	1450.5	918.0	514.5	103.3	2.7	0.5	0.0
38°	2270.1	2231.3	2052.5	1749.0	1255.9	767.6	430.8	87.5	2.2	0.0	0.0
39°	2112.6	2048.1	1871.5	1539.6	1051.9	643.0	362.5	73.3	1.1	0.0	0.0
40°	1865.5	1816.3	1627.7	1288.1	870.4	521.0	308.9	55.8	1.1	0.0	0.0
42.5°	1236.7	1190.8	992.9	698.7	462.5	304.5	203.9	21.9	0.0	0.5	0.0
45°	637.5	608.5	494.3	365.8	262.4	187.0	131.2	13.7	0.0	0.5	0.5
47.5°	253.1	248.2	224.2	193.5	149.3	111.0	71.6	6.0	0.0	0.5	0.5
50°	68.3	68.9	64.5	59.6	54.1	50.8	30.1	1.6	0.0	1.1	0.5
52.5°	29.0	29.5	28.4	26.8	24.1	18.0	12.0	0.5	0.5	1.1	1.1
55°	6.0	6.6	7.1	7.7	8.7	7.7	4.9	0.0	0.5	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.6	1.6	1.1	0.0	0.5	1.1	1.6
60°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	1.1	1.6	1.6
62.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.6	2.2
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	2.2	2.2
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6	2.2	2.2
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6	2.2	2.2
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6	2.2	1.6
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6	1.6	1.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.1	1.6	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.1	1.6	1.1



TEST NUMBER: P1341021

CATALOG NUMBER: P3A09R259830DE010 E3CA301MW

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	0.5	0.5	1.1	1.6	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	1.1
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: P1341021

CATALOG NUMBER: P3A09R259830DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	25.2	25.2	25.2
2.5°	17.5	15.9	15.3
5°	12.0	10.4	9.3
7.5°	8.2	6.6	6.0
10°	5.5	4.4	3.8
12.5°	3.8	2.2	2.2
15°	2.2	1.6	1.6
17.5°	1.1	0.5	0.5
20°	0.5	0.5	0.5
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	0.5
39°	0.0	0.5	0.5
40°	0.0	0.5	0.5
42.5°	0.0	0.5	1.1
45°	0.5	1.1	1.6
47.5°	1.1	1.6	2.2
50°	1.1	2.2	2.2
52.5°	1.6	2.2	2.7
55°	1.6	2.7	2.7
57.5°	2.2	2.7	3.3
60°	2.2	2.7	2.7
62.5°	2.2	3.3	3.3
65°	2.7	3.3	3.3
67.5°	2.7	3.3	3.3
70°	2.2	2.7	3.3
72.5°	2.2	2.7	2.7
75°	1.6	2.2	2.2
77.5°	1.6	1.6	2.2
80°	1.1	1.6	1.6



TEST NUMBER: P1341021

CATALOG NUMBER: P3A09R259830DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.1	1.1	1.1
85°	0.5	0.5	0.5
87.5°	0.5	0.5	0.5
90°	0.0	0.0	0.0

(END OF REPORT)