

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: P1345091

Luminaire Tested: P3A13R309835DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R309835DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

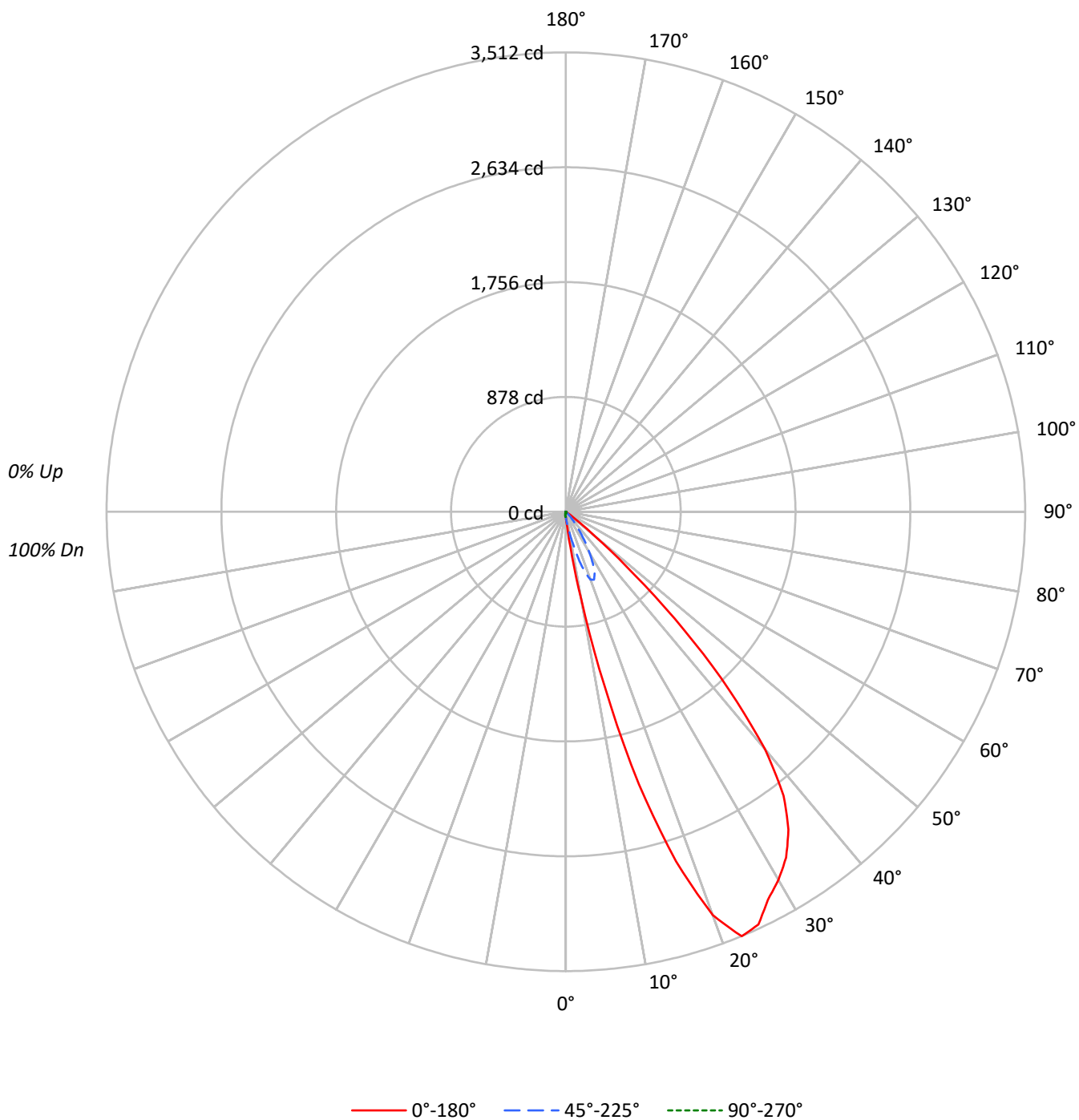
Lumens per Lamp: N/A
Luminaire Lumens: 828.1 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1345091

CATALOG NUMBER: P3A13R309835DE010 E3CA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1345091

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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	87	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°	8618	8618	8618	8618	8618
5°	25974	17323	8166	3654	2994
10°	150431	36717	6413	1692	1180
15°	489356	83315	4472	341	182
20°	765727	128881	2824	0	0
25°	842444	125935	1476	0	0
30°	822810	90799	582	0	0
35°	794136	51638	214	0	0
40°	677240	21870	0	0	0
45°	397468	8218	248	0	248
50°	96543	1535	273	273	785
55°	8372	0	573	879	1147
60°	351	0	658	1009	1667
65°	415	415	1193	1193	1972
70°	513	513	1475	1475	1923
75°	0	678	1949	1949	1949
80°	0	1010	2904	1894	1894
85°	0	2013	5787	2013	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 397468 cd/sqm

TEST NUMBER: P1345091

CATALOG NUMBER: P3A13R309835DE010 E3CA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.9
10°-20°	113.8	13.7
20°-30°	289.2	34.9
30°-40°	288.2	34.8
40°-50°	116.8	14.1
50°-60°	8.1	1.0
60°-70°	1.8	0.2
70°-80°	1.8	0.2
80°-90°	1.1	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°	410.2	49.5
0°-40°	698.5	84.3
0°-60°	823.3	99.4
0°-90°	828.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	828.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	39	39	39	39	39	
5°	118	79	37	17	14	27
15°	2156	367	20	2	1	627
25°	3482	520	6	0	0	1572
35°	2967	193	1	0	0	1818
45°	1282	26	1	0	1	978
55°	22	0	2	2	3	57
65°	1	1	2	2	4	1
75°	0	1	2	2	2	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1345091

CATALOG NUMBER: P3A13R309835DE010 E3CA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
2.5°	65.1	65.8	65.8	64.3	63.6	63.6	61.3	60.5	58.3	56.0	48.4
5°	118.0	115.8	112.7	112.7	105.9	102.1	96.8	90.8	86.3	78.7	56.0
7.5°	267.8	249.7	244.4	237.6	211.8	191.4	168.0	147.5	128.6	112.7	62.0
10°	675.6	640.1	610.6	550.8	475.9	404.0	337.4	260.3	207.3	164.9	66.6
12.5°	1361.1	1313.5	1256.7	1147.8	1007.8	828.5	669.6	500.1	351.1	242.9	68.1
15°	2155.6	2074.6	1986.1	1847.6	1618.4	1361.1	1074.4	804.3	563.7	367.0	66.6
17.5°	2803.2	2771.4	2640.5	2451.4	2170.7	1839.3	1486.0	1116.7	760.4	480.4	62.0
20°	3281.4	3259.4	3101.3	2900.1	2583.8	2204.0	1755.3	1311.9	897.3	552.3	55.2
22.5°	3512.1	3508.4	3394.1	3188.3	2853.1	2422.6	1928.6	1424.7	939.7	562.2	46.2
25°	3481.9	3495.5	3430.4	3277.6	2956.0	2512.7	1980.0	1424.7	908.7	520.5	38.6
27.5°	3344.2	3353.3	3312.4	3195.1	2895.5	2447.6	1908.2	1333.1	818.6	447.2	31.8
30°	3249.6	3253.4	3202.7	3077.1	2759.3	2299.3	1738.7	1163.7	682.5	358.6	23.5
32.5°	3134.6	3133.8	3074.8	2931.1	2580.8	2091.2	1523.8	961.6	524.3	272.4	13.6
35°	2966.6	2947.7	2867.5	2701.8	2314.4	1811.3	1249.2	732.4	377.5	192.9	8.3
37.5°	2735.9	2686.7	2573.2	2351.5	1940.7	1420.1	926.1	514.5	258.0	127.9	5.3
40°	2365.9	2313.7	2159.3	1890.0	1467.8	1022.2	624.2	335.2	162.7	76.4	3.0
42.5°	1855.2	1819.6	1611.6	1343.0	969.2	652.2	375.3	198.2	91.5	43.9	0.8
45°	1281.7	1235.5	1072.1	844.4	581.8	361.7	210.3	103.7	52.2	26.5	0.0
47.5°	707.4	650.7	556.1	437.3	292.8	189.9	105.9	56.0	29.5	12.9	0.0
50°	283.0	280.7	223.2	158.9	112.0	86.3	53.0	30.3	15.1	4.5	0.8
52.5°	99.1	99.1	85.5	69.6	54.5	39.3	26.5	14.4	5.3	1.5	0.8
55°	21.9	24.2	22.7	21.2	20.4	17.4	11.3	5.3	1.5	0.0	0.8
57.5°	2.3	2.3	2.3	3.0	3.8	3.8	3.0	1.5	0.0	0.0	0.8
60°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	1.5
62.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	1.5
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
75°	0.0	0.0	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8	2.3
77.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.5
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: P1345091

CATALOG NUMBER: P3A13R309835DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	39.3	39.3	39.3	39.3	39.3
2.5°	39.3	31.0	25.7	22.7	21.9
5°	37.1	23.5	16.6	14.4	13.6
7.5°	33.3	17.4	11.3	9.1	8.3
10°	28.8	12.9	7.6	5.3	5.3
12.5°	24.2	9.8	4.5	2.3	1.5
15°	19.7	6.1	1.5	0.8	0.8
17.5°	15.1	3.8	0.0	0.0	0.0
20°	12.1	1.5	0.0	0.0	0.0
22.5°	9.1	0.8	0.0	0.0	0.0
25°	6.1	0.0	0.0	0.0	0.0
27.5°	3.8	0.0	0.0	0.0	0.0
30°	2.3	0.0	0.0	0.0	0.0
32.5°	0.8	0.0	0.0	0.0	0.0
35°	0.8	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°	0.8	0.0	0.0	0.8	0.8
47.5°	0.8	0.8	0.8	1.5	1.5
50°	0.8	0.8	0.8	1.5	2.3
52.5°	1.5	0.8	1.5	2.3	2.3
55°	1.5	1.5	2.3	3.0	3.0
57.5°	1.5	1.5	2.3	3.0	3.0
60°	1.5	1.5	2.3	3.0	3.8
62.5°	2.3	2.3	2.3	3.0	3.0
65°	2.3	2.3	2.3	3.0	3.8
67.5°	2.3	2.3	2.3	3.0	3.8
70°	2.3	2.3	2.3	3.0	3.0
72.5°	3.0	2.3	2.3	3.0	3.0
75°	2.3	2.3	2.3	2.3	2.3
77.5°	2.3	2.3	1.5	2.3	2.3
80°	2.3	1.5	1.5	1.5	1.5
82.5°	2.3	1.5	1.5	1.5	1.5
85°	2.3	1.5	0.8	0.8	0.8
87.5°	2.3	1.5	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)