

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: P1342057

Luminaire Tested: P3A09R359835DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1342057
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R359835DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

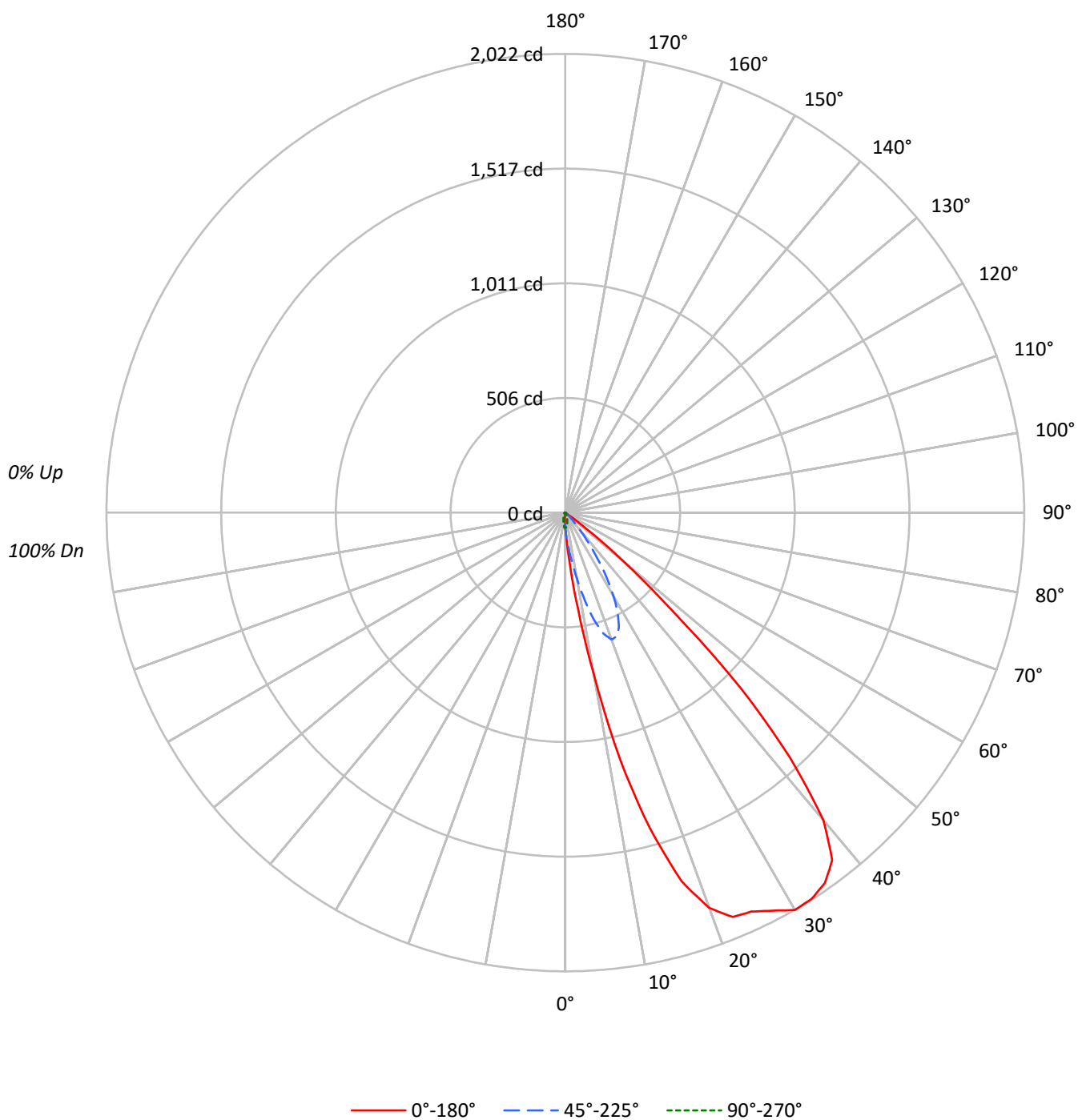
Lumens per Lamp: N/A
Luminaire Lumens: 636.0 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	14648	14648	14648	14648	14648
5°	49901	32423	13691	5789	4270
10°	160563	65730	10799	2160	1403
15°	327130	111465	7650	772	522
20°	432591	138822	4924	257	257
25°	469382	134959	2758	145	266
30°	512028	107561	1165	152	279
35°	533537	66950	294	161	294
40°	506291	29255	172	315	487
45°	337989	11691	186	527	899
50°	113361	1944	375	785	1160
55°	6346	229	421	1109	1529
60°	482	263	746	1272	1754
65°	571	311	882	1505	2075
70°	385	385	1090	1859	2180
75°	508	508	1440	1949	2457
80°	0	758	2147	2147	2147
85°	0	1510	4277	1510	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 337989 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	1.8
10°-20°	91.3	14.4
20°-30°	192.8	30.3
30°-40°	218.7	34.4
40°-50°	107.7	16.9
50°-60°	9.3	1.5
60°-70°	1.9	0.3
70°-80°	1.8	0.3
80°-90°	0.9	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°	295.7	46.5
0°-40°	514.5	80.9
0°-60°	631.5	99.3
0°-90°	636.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	636.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	67	67	67	67	67	
5°	227	147	62	26	19	37
15°	1441	491	34	3	2	410
25°	1940	558	11	1	1	903
35°	1993	250	1	1	1	1228
45°	1090	38	1	2	3	805
55°	17	1	1	3	4	65
65°	1	1	2	3	4	1
75°	1	1	2	2	3	0
85°	0	1	2	1	1	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°	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
2.5°	115.9	118.8	117.6	117.0	116.5	114.2	109.0	108.5	103.3	99.9	82.8
5°	226.7	222.1	223.2	216.9	209.0	197.5	190.1	174.1	161.0	147.3	96.5
7.5°	427.0	420.8	408.8	390.5	371.7	347.1	310.0	280.3	246.1	213.5	107.3
10°	721.1	717.6	702.2	655.4	614.3	548.6	487.0	421.9	358.0	295.2	114.8
12.5°	1113.9	1090.4	1062.5	1000.2	919.2	837.0	715.4	602.9	500.7	395.6	115.3
15°	1441.0	1426.1	1386.7	1305.7	1208.1	1089.3	944.9	793.6	639.4	491.0	109.6
17.5°	1704.2	1681.3	1630.5	1551.2	1438.7	1284.6	1115.6	931.2	743.3	558.9	99.9
20°	1853.8	1841.8	1802.9	1723.6	1600.8	1432.4	1240.0	1025.4	808.4	594.9	87.3
22.5°	1929.1	1920.6	1892.0	1828.6	1713.9	1544.3	1323.9	1074.5	827.3	590.9	74.2
25°	1940.0	1937.7	1913.1	1865.2	1769.3	1601.4	1360.5	1083.6	811.8	557.8	61.7
27.5°	1977.6	1969.7	1940.5	1892.6	1796.1	1611.1	1347.9	1052.2	762.2	499.5	51.4
30°	2022.2	2016.5	1987.4	1937.7	1823.5	1602.0	1303.4	982.5	682.8	424.8	38.3
32.5°	2018.8	2016.5	1991.9	1939.4	1804.1	1548.3	1224.0	878.1	574.9	335.1	24.0
35°	1993.1	1985.1	1954.2	1873.2	1693.3	1410.2	1073.3	736.5	455.0	250.1	15.4
37.5°	1931.4	1914.3	1862.3	1724.7	1495.2	1197.2	874.1	568.6	322.0	167.3	9.7
40°	1768.7	1747.0	1642.5	1476.4	1236.0	943.1	650.3	391.1	212.4	102.2	4.0
42.5°	1467.2	1423.3	1318.8	1148.1	922.6	666.8	427.0	253.5	125.0	61.7	1.1
45°	1089.9	1056.2	946.6	791.9	604.6	427.6	258.6	137.0	69.1	37.7	0.6
47.5°	634.9	614.3	557.8	456.2	334.0	224.4	132.5	73.6	40.5	18.3	0.6
50°	332.3	306.6	263.8	199.8	147.3	103.3	64.5	39.4	20.0	5.7	0.6
52.5°	116.5	114.8	104.5	78.8	63.9	46.2	31.4	17.1	5.7	1.1	0.6
55°	16.6	16.6	15.4	17.1	18.3	16.6	10.8	4.6	1.1	0.6	0.6
57.5°	1.1	1.1	1.1	1.7	2.3	2.3	1.7	0.6	0.6	0.6	1.1
60°	1.1	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1
62.5°	1.1	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1
65°	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7
77.5°	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	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

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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	66.8	66.8	66.8	66.8	66.8
2.5°	66.2	53.1	42.2	37.1	35.4
5°	62.2	40.0	26.3	20.6	19.4
7.5°	55.4	28.5	16.0	11.4	10.8
10°	48.5	20.6	9.7	6.9	6.3
12.5°	40.5	14.3	6.3	4.0	3.4
15°	33.7	9.7	3.4	2.9	2.3
17.5°	26.8	6.3	2.3	1.7	2.3
20°	21.1	4.0	1.1	1.1	1.1
22.5°	16.0	2.3	1.1	1.1	1.1
25°	11.4	1.1	0.6	0.6	1.1
27.5°	8.0	0.6	0.6	0.6	1.1
30°	4.6	0.6	0.6	0.6	1.1
32.5°	2.3	0.6	0.6	1.1	1.1
35°	1.1	0.6	0.6	1.1	1.1
37.5°	0.6	0.6	0.6	1.1	1.7
40°	0.6	0.6	1.1	1.7	1.7
42.5°	0.6	0.6	1.1	1.7	2.3
45°	0.6	1.1	1.7	2.3	2.9
47.5°	1.1	1.1	2.3	2.9	3.4
50°	1.1	1.7	2.3	3.4	3.4
52.5°	1.1	1.7	2.9	3.4	4.0
55°	1.1	2.3	2.9	4.0	4.0
57.5°	1.7	2.3	2.9	4.0	4.0
60°	1.7	2.3	2.9	4.0	4.0
62.5°	1.7	2.3	2.9	4.0	4.0
65°	1.7	2.3	2.9	4.0	4.0
67.5°	1.7	2.3	2.9	3.4	4.0
70°	1.7	2.3	2.9	3.4	3.4
72.5°	2.3	2.3	2.9	3.4	3.4
75°	1.7	2.3	2.3	2.9	2.9
77.5°	1.7	1.7	1.7	2.3	2.3
80°	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.1	1.1	1.7	1.7
85°	1.7	1.1	0.6	1.1	1.1
87.5°	1.1	1.1	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)