

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: P1344940

Luminaire Tested: P3A13R309035DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344940
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: P3A13R309035DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

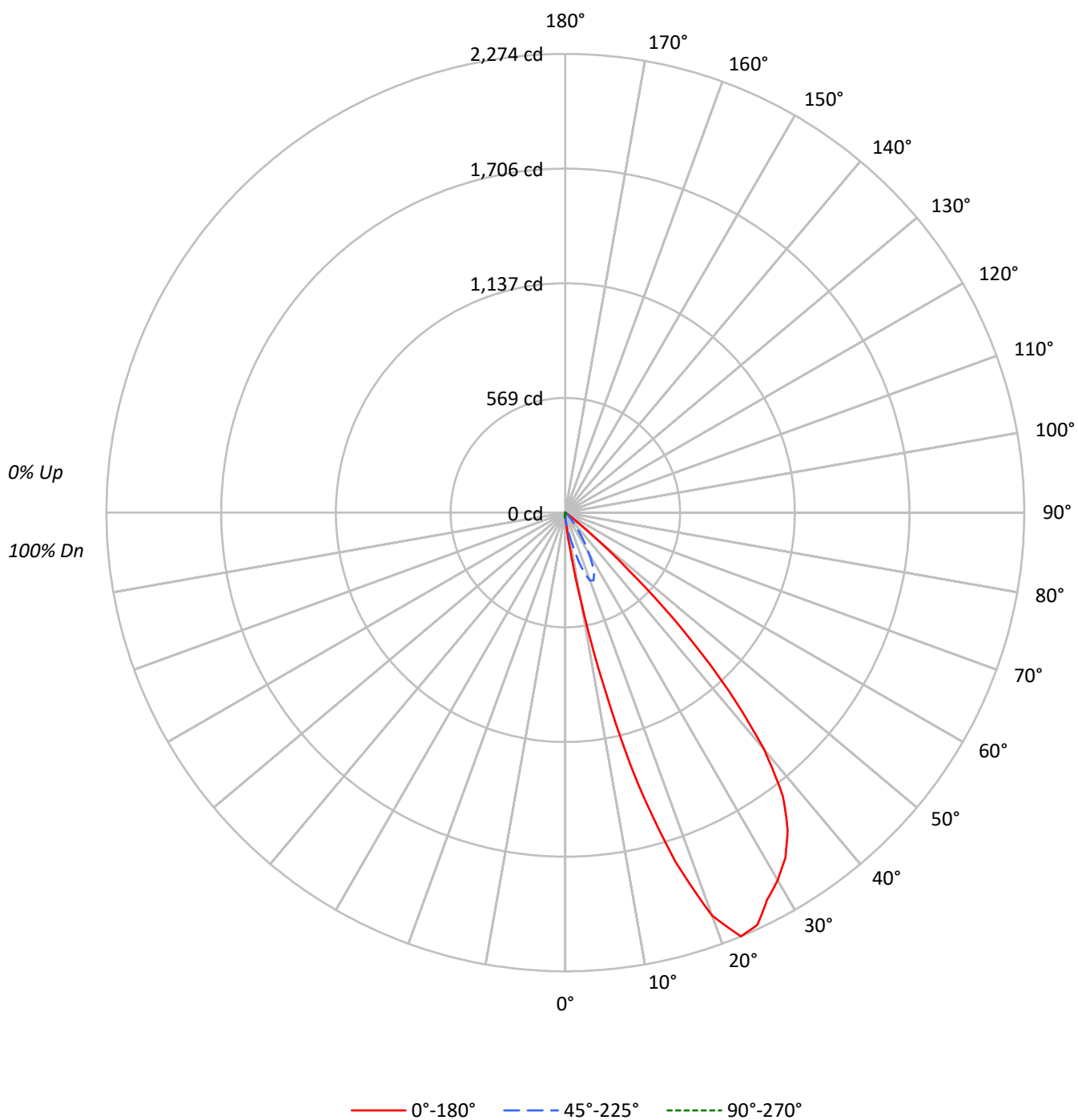
Lumens per Lamp: N/A
Luminaire Lumens: 536.1 lumens
Efficiency: N/A
Efficacy: 36.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	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	66	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°	5592	5592	5592	5592	5592
5°	16817	11204	5283	2377	1937
10°	97393	23780	4142	1091	757
15°	316778	53916	2883	227	114
20°	495690	83424	1820	0	0
25°	545354	81537	944	0	0
30°	532639	58794	380	0	0
35°	514076	33435	134	0	0
40°	438393	14169	0	0	0
45°	257298	5303	155	0	155
50°	62497	989	171	171	512
55°	5429	0	382	573	765
60°	219	0	439	658	1053
65°	259	259	778	778	1245
70°	321	321	962	962	1282
75°	0	424	1271	1271	1271
80°	0	631	1894	1263	1263
85°	0	1258	3774	1258	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 257298 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	0.9
10°-20°	73.7	13.7
20°-30°	187.2	34.9
30°-40°	186.6	34.8
40°-50°	75.6	14.1
50°-60°	5.2	1.0
60°-70°	1.2	0.2
70°-80°	1.2	0.2
80°-90°	0.7	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°	265.6	49.5
0°-40°	452.1	84.3
0°-60°	533.0	99.4
0°-90°	536.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	536.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	76	51	24	11	9	18
15°	1395	238	13	1	0	406
25°	2254	337	4	0	0	1018
35°	1920	125	0	0	0	1177
45°	830	17	0	0	0	633
55°	14	0	1	2	2	37
65°	0	0	2	2	2	0
75°	0	0	2	2	2	0
85°	0	0	2	0	0	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°	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
2.5°	42.1	42.6	42.6	41.6	41.1	41.1	39.7	39.2	37.7	36.2	31.3
5°	76.4	74.9	73.0	73.0	68.6	66.1	62.7	58.8	55.8	50.9	36.2
7.5°	173.4	161.6	158.2	153.8	137.1	123.9	108.7	95.5	83.3	73.0	40.2
10°	437.4	414.4	395.3	356.6	308.1	261.5	218.4	168.5	134.2	106.8	43.1
12.5°	881.1	850.3	813.5	743.0	652.4	536.3	433.5	323.7	227.3	157.2	44.1
15°	1395.4	1343.0	1285.7	1196.0	1047.6	881.1	695.5	520.6	364.9	237.5	43.1
17.5°	1814.6	1794.1	1709.3	1586.9	1405.2	1190.7	961.9	722.9	492.2	311.0	40.2
20°	2124.2	2110.0	2007.6	1877.3	1672.6	1426.7	1136.3	849.3	580.9	357.5	35.8
22.5°	2273.6	2271.1	2197.2	2063.9	1847.0	1568.3	1248.5	922.3	608.3	363.9	29.9
25°	2254.0	2262.8	2220.7	2121.7	1913.6	1626.6	1281.8	922.3	588.2	337.0	25.0
27.5°	2164.8	2170.7	2144.3	2068.3	1874.4	1584.4	1235.2	863.0	529.9	289.5	20.6
30°	2103.6	2106.1	2073.2	1991.9	1786.2	1488.4	1125.5	753.3	441.8	232.2	15.2
32.5°	2029.2	2028.7	1990.5	1897.4	1670.6	1353.8	986.4	622.5	339.4	176.3	8.8
35°	1920.4	1908.2	1856.3	1749.0	1498.2	1172.5	808.6	474.1	244.4	124.9	5.4
37.5°	1771.0	1739.2	1665.7	1522.2	1256.3	919.3	599.5	333.1	167.0	82.8	3.4
40°	1531.5	1497.8	1397.8	1223.5	950.2	661.7	404.1	217.0	105.3	49.5	2.0
42.5°	1200.9	1177.9	1043.2	869.4	627.4	422.2	242.9	128.3	59.3	28.4	0.5
45°	829.7	799.8	694.0	546.6	376.6	234.1	136.2	67.1	33.8	17.1	0.0
47.5°	457.9	421.2	360.0	283.1	189.5	122.9	68.6	36.2	19.1	8.3	0.0
50°	183.2	181.7	144.5	102.9	72.5	55.8	34.3	19.6	9.8	2.9	0.5
52.5°	64.2	64.2	55.3	45.1	35.3	25.5	17.1	9.3	3.4	1.0	0.5
55°	14.2	15.7	14.7	13.7	13.2	11.3	7.3	3.4	1.0	0.0	0.5
57.5°	1.5	1.5	1.5	2.0	2.4	2.4	2.0	1.0	0.0	0.0	0.5
60°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	1.0
62.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5	1.0
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
75°	0.0	0.0	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0
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°	25.5	25.5	25.5	25.5	25.5
2.5°	25.5	20.1	16.7	14.7	14.2
5°	24.0	15.2	10.8	9.3	8.8
7.5°	21.6	11.3	7.3	5.9	5.4
10°	18.6	8.3	4.9	3.4	3.4
12.5°	15.7	6.4	2.9	1.5	1.0
15°	12.7	3.9	1.0	0.5	0.5
17.5°	9.8	2.4	0.0	0.0	0.0
20°	7.8	1.0	0.0	0.0	0.0
22.5°	5.9	0.5	0.0	0.0	0.0
25°	3.9	0.0	0.0	0.0	0.0
27.5°	2.4	0.0	0.0	0.0	0.0
30°	1.5	0.0	0.0	0.0	0.0
32.5°	0.5	0.0	0.0	0.0	0.0
35°	0.5	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°	0.5	0.0	0.0	0.5	0.5
47.5°	0.5	0.5	0.5	1.0	1.0
50°	0.5	0.5	0.5	1.0	1.5
52.5°	1.0	0.5	1.0	1.5	1.5
55°	1.0	1.0	1.5	2.0	2.0
57.5°	1.0	1.0	1.5	2.0	2.0
60°	1.0	1.0	1.5	2.0	2.4
62.5°	1.5	1.5	1.5	2.0	2.0
65°	1.5	1.5	1.5	2.0	2.4
67.5°	1.5	1.5	1.5	2.0	2.4
70°	1.5	1.5	1.5	2.0	2.0
72.5°	2.0	1.5	1.5	2.0	2.0
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.0	1.5	1.5
80°	1.5	1.0	1.0	1.0	1.0
82.5°	1.5	1.0	1.0	1.0	1.0
85°	1.5	1.0	0.5	0.5	0.5
87.5°	1.5	1.0	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)