

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: P1344972

Luminaire Tested: P3A13R309050DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344972
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: P3A13R309050DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

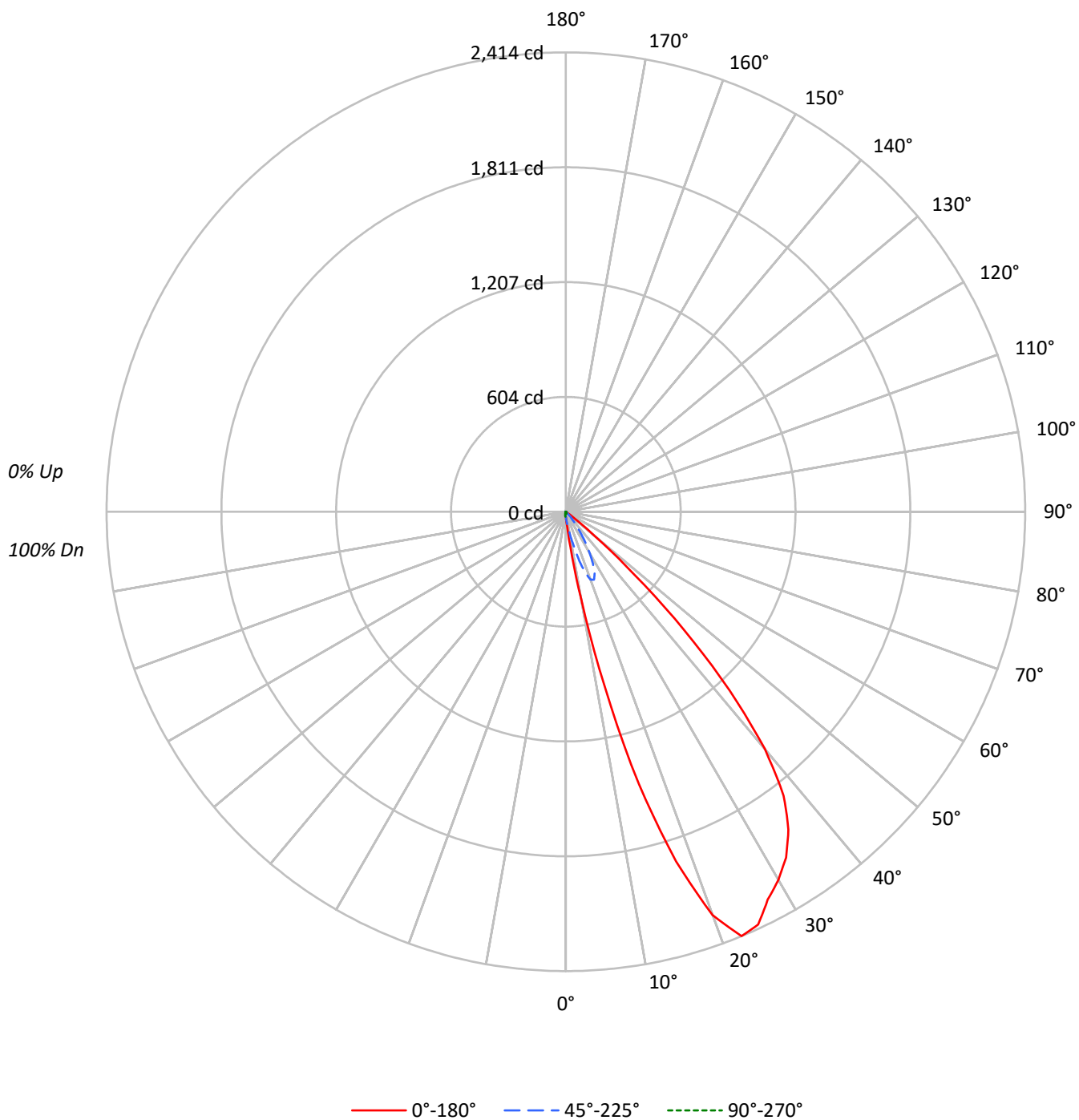
Lumens per Lamp: N/A
Luminaire Lumens: 569.0 lumens
Efficiency: N/A
Efficacy: 39.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5921	5921	5921	5921	5921
5°	17852	11908	5613	2509	2069
10°	103383	25228	4409	1158	802
15°	336279	57253	3065	227	114
20°	526212	88581	1937	0	0
25°	578912	86545	1016	0	0
30°	565429	62389	405	0	0
35°	545744	35496	134	0	0
40°	465386	15028	0	0	0
45°	273145	5644	155	0	155
50°	66352	1058	171	171	546
55°	5773	0	382	612	803
60°	219	0	439	702	1140
65°	259	259	830	830	1349
70°	321	321	1026	1026	1346
75°	0	424	1356	1356	1356
80°	0	631	2020	1263	1263
85°	0	1258	4026	1258	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 273145 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.9
10°-20°	78.2	13.7
20°-30°	198.7	34.9
30°-40°	198.1	34.8
40°-50°	80.2	14.1
50°-60°	5.5	1.0
60°-70°	1.3	0.2
70°-80°	1.3	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°	281.9	49.5
0°-40°	480.0	84.4
0°-60°	565.8	99.4
0°-90°	569.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	569.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	27	27	27	27	27	
5°	81	54	26	11	9	19
15°	1481	252	14	1	0	431
25°	2393	358	4	0	0	1080
35°	2039	133	0	0	0	1250
45°	881	18	0	0	0	672
55°	15	0	1	2	2	39
65°	0	0	2	2	3	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°	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
2.5°	44.7	45.2	45.2	44.2	43.7	43.7	42.1	41.6	40.0	38.5	33.3
5°	81.1	79.6	77.5	77.5	72.8	70.2	66.6	62.4	59.3	54.1	38.5
7.5°	184.1	171.6	167.9	163.3	145.6	131.5	115.4	101.4	88.4	77.5	42.6
10°	464.3	439.9	419.6	378.5	327.0	277.6	231.9	178.9	142.5	113.3	45.8
12.5°	935.4	902.6	863.6	788.7	692.6	569.3	460.1	343.7	241.3	166.9	46.8
15°	1481.3	1425.7	1364.8	1269.7	1112.1	935.4	738.3	552.7	387.4	252.2	45.8
17.5°	1926.4	1904.5	1814.6	1684.6	1491.7	1264.0	1021.2	767.4	522.5	330.2	42.6
20°	2255.0	2239.9	2131.2	1992.9	1775.6	1514.6	1206.3	901.6	616.6	379.6	38.0
22.5°	2413.5	2410.9	2332.4	2191.0	1960.7	1664.8	1325.3	979.0	645.8	386.3	31.7
25°	2392.7	2402.1	2357.4	2252.4	2031.4	1726.7	1360.7	979.0	624.4	357.7	26.5
27.5°	2298.1	2304.4	2276.3	2195.7	1989.8	1682.0	1311.3	916.1	562.6	307.3	21.8
30°	2233.1	2235.7	2200.9	2114.6	1896.2	1580.1	1194.8	799.7	469.0	246.4	16.1
32.5°	2154.1	2153.6	2113.0	2014.2	1773.5	1437.1	1047.2	660.8	360.3	187.2	9.4
35°	2038.7	2025.7	1970.6	1856.7	1590.5	1244.7	858.4	503.3	259.4	132.6	5.7
37.5°	1880.1	1846.3	1768.3	1616.0	1333.6	975.9	636.4	353.6	177.3	87.9	3.6
40°	1625.8	1590.0	1483.9	1298.8	1008.7	702.4	428.9	230.3	111.8	52.5	2.1
42.5°	1274.9	1250.4	1107.5	922.9	666.0	448.2	257.9	136.2	62.9	30.2	0.5
45°	880.8	849.1	736.7	580.2	399.8	248.5	144.5	71.2	35.9	18.2	0.0
47.5°	486.1	447.1	382.2	300.5	201.2	130.5	72.8	38.5	20.3	8.8	0.0
50°	194.5	192.9	153.4	109.2	77.0	59.3	36.4	20.8	10.4	3.1	0.5
52.5°	68.1	68.1	58.8	47.8	37.4	27.0	18.2	9.9	3.6	1.0	0.5
55°	15.1	16.6	15.6	14.6	14.0	12.0	7.8	3.6	1.0	0.0	0.5
57.5°	1.6	1.6	1.6	2.1	2.6	2.6	2.1	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	1.6
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
75°	0.0	0.0	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	1.6
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°	27.0	27.0	27.0	27.0	27.0
2.5°	27.0	21.3	17.7	15.6	15.1
5°	25.5	16.1	11.4	9.9	9.4
7.5°	22.9	12.0	7.8	6.2	5.7
10°	19.8	8.8	5.2	3.6	3.6
12.5°	16.6	6.8	3.1	1.6	1.0
15°	13.5	4.2	1.0	0.5	0.5
17.5°	10.4	2.6	0.0	0.0	0.0
20°	8.3	1.0	0.0	0.0	0.0
22.5°	6.2	0.5	0.0	0.0	0.0
25°	4.2	0.0	0.0	0.0	0.0
27.5°	2.6	0.0	0.0	0.0	0.0
30°	1.6	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	1.6
52.5°	1.0	0.5	1.0	1.6	1.6
55°	1.0	1.0	1.6	2.1	2.1
57.5°	1.0	1.0	1.6	2.1	2.1
60°	1.0	1.0	1.6	2.1	2.6
62.5°	1.6	1.6	1.6	2.1	2.1
65°	1.6	1.6	1.6	2.1	2.6
67.5°	1.6	1.6	1.6	2.1	2.6
70°	1.6	1.6	1.6	2.1	2.1
72.5°	2.1	1.6	1.6	2.1	2.1
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.0	1.6	1.6
80°	1.6	1.0	1.0	1.0	1.0
82.5°	1.6	1.0	1.0	1.0	1.0
85°	1.6	1.0	0.5	0.5	0.5
87.5°	1.6	1.0	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)