

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: P1345468

Luminaire Tested: P3A13R359040DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345468
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: P3A13R359040DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

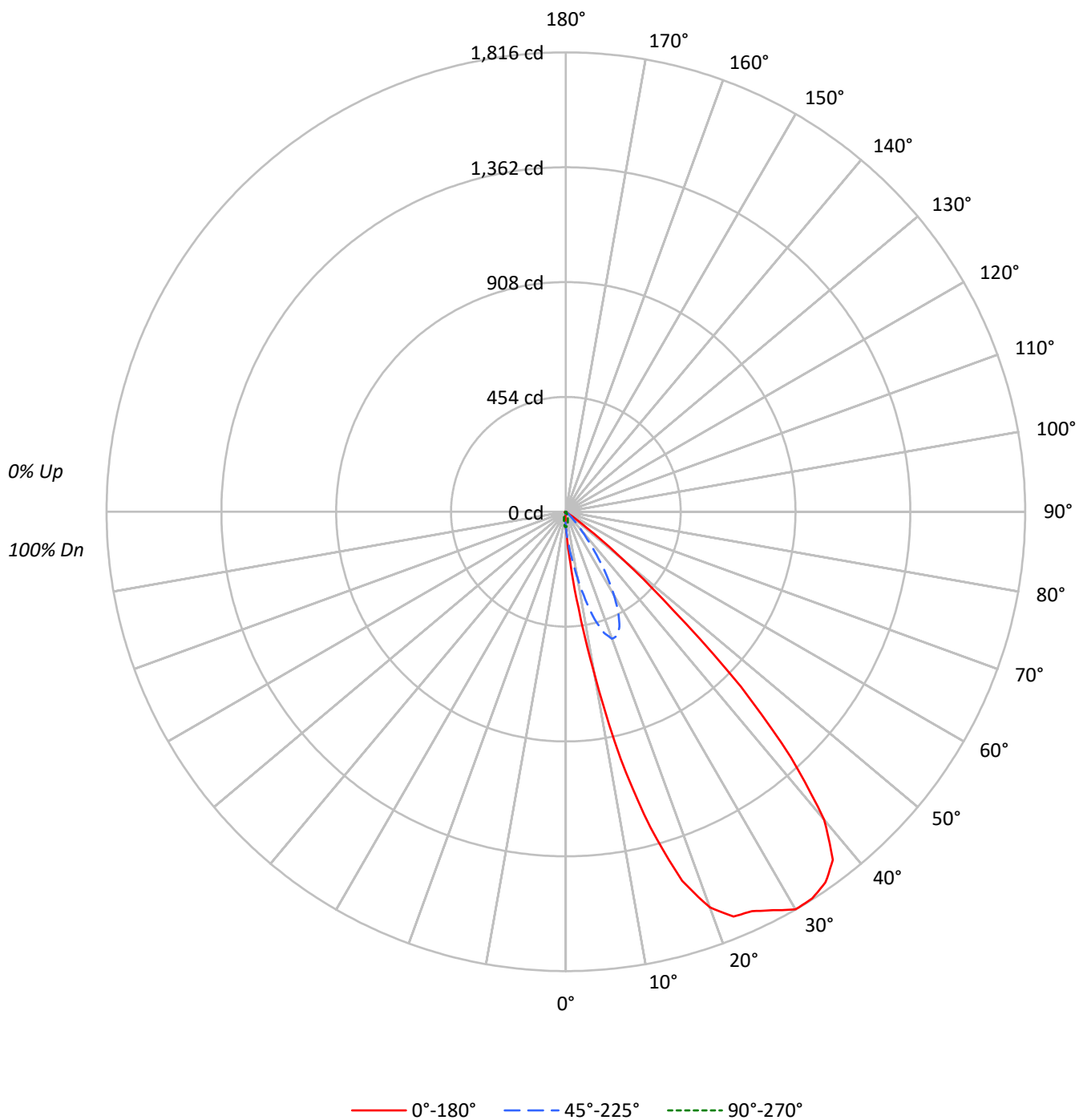
Lumens per Lamp: N/A
Luminaire Lumens: 571.0 lumens
Efficiency: N/A
Efficacy: 39.1 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	51	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°	13157	13157	13157	13157	13157
5°	44794	29100	12305	5195	3830
10°	144152	59006	9708	1937	1247
15°	293691	100069	6856	704	477
20°	388370	124634	4434	233	233
25°	421403	121168	2492	121	242
30°	459691	96547	1038	127	253
35°	479009	60097	268	134	268
40°	454537	26249	143	286	429
45°	303442	10482	155	465	806
50°	101762	1740	341	716	1058
55°	5696	191	382	994	1376
60°	439	219	658	1140	1579
65°	519	259	778	1349	1868
70°	321	321	962	1667	1988
75°	424	424	1271	1779	2203
80°	0	631	1894	1894	1894
85°	0	1258	3774	1258	2516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 303442 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	1.8
10°-20°	82.0	14.4
20°-30°	173.1	30.3
30°-40°	196.4	34.4
40°-50°	96.7	16.9
50°-60°	8.4	1.5
60°-70°	1.7	0.3
70°-80°	1.6	0.3
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°	265.5	46.5
0°-40°	461.9	80.9
0°-60°	566.9	99.3
0°-90°	571.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	571.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	60	60	60	60	60	
5°	204	132	56	24	17	33
15°	1294	441	30	3	2	368
25°	1742	501	10	0	1	810
35°	1789	224	1	0	1	1103
45°	978	34	0	2	3	723
55°	15	0	1	3	4	58
65°	1	0	2	3	4	1
75°	0	0	2	2	3	0
85°	0	0	2	0	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°	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
2.5°	104.1	106.6	105.6	105.1	104.6	102.5	97.9	97.4	92.8	89.7	74.3
5°	203.5	199.4	200.4	194.8	187.6	177.3	170.7	156.3	144.5	132.2	86.6
7.5°	383.4	377.8	367.0	350.6	333.7	311.6	278.3	251.7	220.9	191.7	96.4
10°	647.4	644.3	630.5	588.4	551.5	492.6	437.2	378.8	321.4	265.0	103.0
12.5°	1000.0	979.0	953.9	898.0	825.2	751.4	642.2	541.3	449.5	355.2	103.5
15°	1293.7	1280.4	1245.0	1172.2	1084.6	978.0	848.3	712.5	574.1	440.8	98.4
17.5°	1530.0	1509.5	1463.9	1392.6	1291.7	1153.3	1001.6	836.0	667.4	501.8	89.7
20°	1664.3	1653.5	1618.7	1547.4	1437.2	1286.0	1113.3	920.6	725.8	534.1	78.4
22.5°	1732.0	1724.3	1698.6	1641.7	1538.7	1386.5	1188.6	964.6	742.7	530.5	66.6
25°	1741.7	1739.6	1717.6	1674.6	1588.4	1437.7	1221.4	972.8	728.9	500.8	55.4
27.5°	1775.5	1768.4	1742.2	1699.2	1612.5	1446.5	1210.2	944.7	684.3	448.5	46.1
30°	1815.5	1810.4	1784.2	1739.6	1637.1	1438.3	1170.2	882.1	613.0	381.3	34.3
32.5°	1812.4	1810.4	1788.3	1741.2	1619.7	1390.1	1098.9	788.3	516.2	300.9	21.5
35°	1789.4	1782.2	1754.5	1681.7	1520.3	1266.0	963.6	661.2	408.5	224.5	13.8
37.5°	1734.0	1718.6	1672.0	1548.5	1342.4	1074.8	784.7	510.5	289.1	150.2	8.7
40°	1587.9	1568.5	1474.7	1325.5	1109.7	846.8	583.8	351.1	190.7	91.7	3.6
42.5°	1317.3	1277.8	1184.0	1030.8	828.3	598.7	383.4	227.6	112.3	55.4	1.0
45°	978.5	948.2	849.8	710.9	542.8	383.9	232.2	123.0	62.0	33.8	0.5
47.5°	570.0	551.5	500.8	409.5	299.9	201.4	118.9	66.1	36.4	16.4	0.5
50°	298.3	275.2	236.8	179.4	132.2	92.8	57.9	35.4	17.9	5.1	0.5
52.5°	104.6	103.0	93.8	70.7	57.4	41.5	28.2	15.4	5.1	1.0	0.5
55°	14.9	14.9	13.8	15.4	16.4	14.9	9.7	4.1	1.0	0.5	0.5
57.5°	1.0	1.0	1.0	1.5	2.1	2.1	1.5	0.5	0.5	0.5	1.0
60°	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
62.5°	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
65°	1.0	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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
77.5°	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	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	0.5	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°	60.0	60.0	60.0	60.0	60.0
2.5°	59.5	47.7	37.9	33.3	31.8
5°	55.9	35.9	23.6	18.5	17.4
7.5°	49.7	25.6	14.4	10.3	9.7
10°	43.6	18.5	8.7	6.2	5.6
12.5°	36.4	12.8	5.6	3.6	3.1
15°	30.2	8.7	3.1	2.6	2.1
17.5°	24.1	5.6	2.1	1.5	2.1
20°	19.0	3.6	1.0	1.0	1.0
22.5°	14.4	2.1	1.0	1.0	1.0
25°	10.3	1.0	0.5	0.5	1.0
27.5°	7.2	0.5	0.5	0.5	1.0
30°	4.1	0.5	0.5	0.5	1.0
32.5°	2.1	0.5	0.5	1.0	1.0
35°	1.0	0.5	0.5	1.0	1.0
37.5°	0.5	0.5	0.5	1.0	1.5
40°	0.5	0.5	1.0	1.5	1.5
42.5°	0.5	0.5	1.0	1.5	2.1
45°	0.5	1.0	1.5	2.1	2.6
47.5°	1.0	1.0	2.1	2.6	3.1
50°	1.0	1.5	2.1	3.1	3.1
52.5°	1.0	1.5	2.6	3.1	3.6
55°	1.0	2.1	2.6	3.6	3.6
57.5°	1.5	2.1	2.6	3.6	3.6
60°	1.5	2.1	2.6	3.6	3.6
62.5°	1.5	2.1	2.6	3.6	3.6
65°	1.5	2.1	2.6	3.6	3.6
67.5°	1.5	2.1	2.6	3.1	3.6
70°	1.5	2.1	2.6	3.1	3.1
72.5°	2.1	2.1	2.6	3.1	3.1
75°	1.5	2.1	2.1	2.6	2.6
77.5°	1.5	1.5	1.5	2.1	2.1
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.0	1.0	1.5	1.5
85°	1.5	1.0	0.5	1.0	1.0
87.5°	1.0	1.0	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)