

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: P1345436

Luminaire Tested: P3A13R359030DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345436
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: P3A13R359030DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

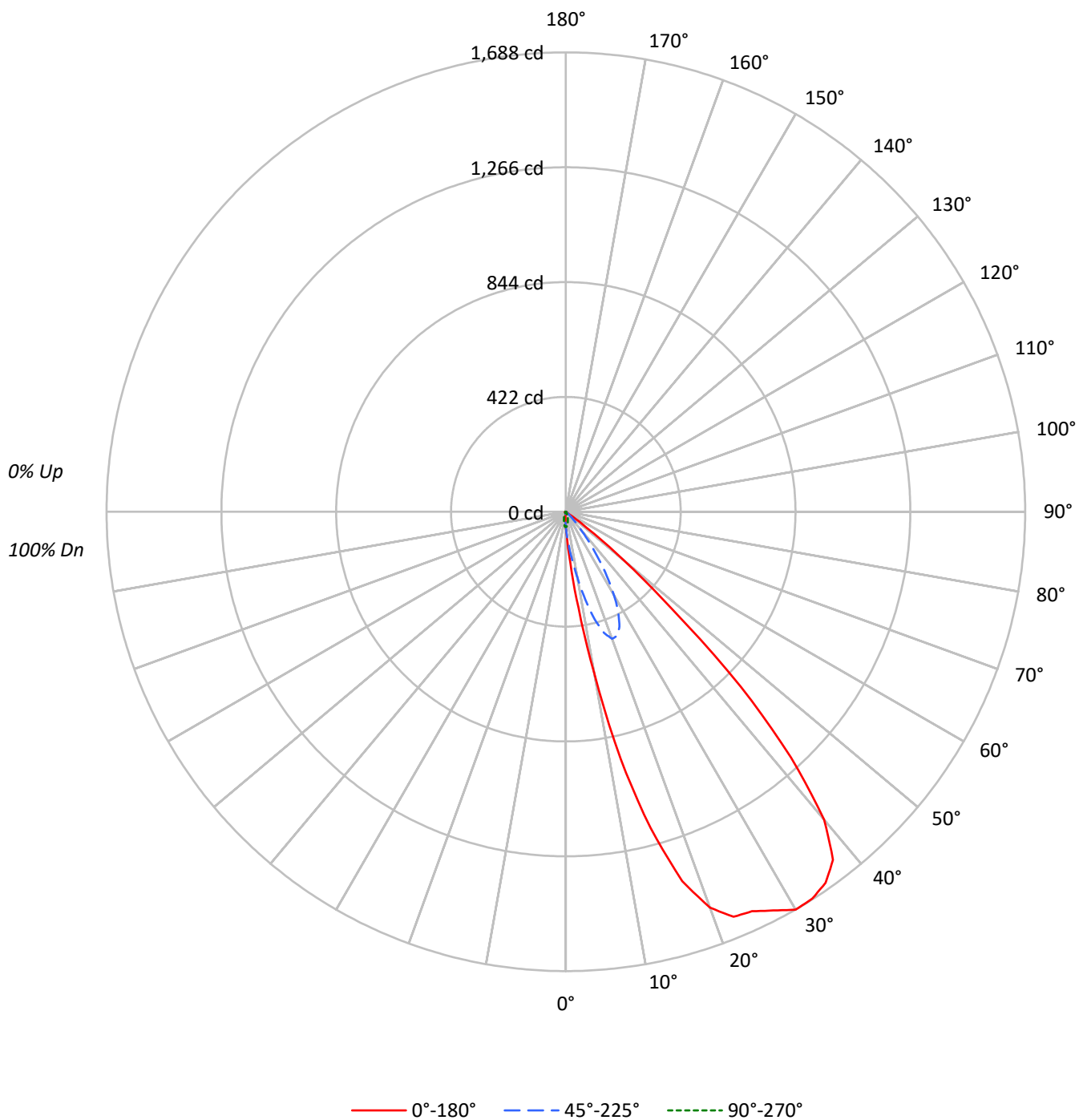
Lumens per Lamp: N/A
Luminaire Lumens: 531.1 lumens
Efficiency: N/A
Efficacy: 36.4 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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°	12236	12236	12236	12236	12236
5°	41646	27075	11446	4821	3566
10°	134043	54864	9018	1804	1158
15°	273123	93054	6379	658	431
20°	361161	115907	4107	233	233
25°	391886	112676	2299	121	242
30°	427483	89786	962	127	253
35°	445440	55894	268	134	268
40°	422706	24417	143	286	401
45°	282169	9768	155	434	744
50°	94632	1637	341	648	989
55°	5276	191	382	918	1262
60°	439	219	614	1053	1447
65°	519	259	726	1245	1712
70°	321	321	898	1539	1859
75°	424	424	1186	1610	2033
80°	0	631	1768	1768	1768
85°	0	1258	3522	1258	2516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 282169 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	1.8
10°-20°	76.3	14.4
20°-30°	161.0	30.3
30°-40°	182.6	34.4
40°-50°	89.9	16.9
50°-60°	7.8	1.5
60°-70°	1.6	0.3
70°-80°	1.5	0.3
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°	246.9	46.5
0°-40°	429.6	80.9
0°-60°	527.2	99.3
0°-90°	531.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	531.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	56	56	56	56	56	
5°	189	123	52	22	16	31
15°	1203	410	28	3	2	342
25°	1620	466	10	0	1	754
35°	1664	209	1	0	1	1026
45°	910	32	0	1	2	672
55°	14	0	1	2	3	54
65°	1	0	1	2	3	1
75°	0	0	1	2	2	0
85°	0	0	1	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°	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
2.5°	96.8	99.1	98.2	97.7	97.2	95.3	91.0	90.6	86.3	83.4	69.1
5°	189.2	185.4	186.4	181.1	174.5	164.9	158.7	145.4	134.4	123.0	80.6
7.5°	356.5	351.3	341.3	326.0	310.3	289.8	258.8	234.0	205.4	178.3	89.6
10°	602.0	599.2	586.3	547.2	512.9	458.1	406.6	352.3	298.9	246.4	95.8
12.5°	930.0	910.4	887.1	835.1	767.4	698.8	597.3	503.4	418.0	330.3	96.3
15°	1203.1	1190.7	1157.8	1090.1	1008.6	909.5	788.9	662.6	533.9	409.9	91.5
17.5°	1422.8	1403.8	1361.3	1295.1	1201.2	1072.5	931.4	777.4	620.6	466.6	83.4
20°	1547.7	1537.7	1505.3	1439.0	1336.6	1195.9	1035.3	856.1	674.9	496.7	72.9
22.5°	1610.6	1603.5	1579.6	1526.7	1430.9	1289.4	1105.4	897.1	690.7	493.3	62.0
25°	1619.7	1617.8	1597.3	1557.2	1477.2	1337.0	1135.9	904.7	677.8	465.7	51.5
27.5°	1651.1	1644.5	1620.2	1580.1	1499.6	1345.1	1125.4	878.5	636.3	417.1	42.9
30°	1688.3	1683.6	1659.2	1617.8	1522.4	1337.5	1088.2	820.3	570.1	354.6	31.9
32.5°	1685.5	1683.6	1663.1	1619.2	1506.2	1292.7	1022.0	733.1	480.0	279.8	20.0
35°	1664.0	1657.3	1631.6	1563.9	1413.8	1177.3	896.1	614.9	379.9	208.8	12.9
37.5°	1612.5	1598.2	1554.9	1440.0	1248.4	999.6	729.8	474.8	268.8	139.7	8.1
40°	1476.7	1458.6	1371.3	1232.6	1032.0	787.4	542.9	326.5	177.3	85.3	3.3
42.5°	1225.0	1188.3	1101.1	958.6	770.3	556.7	356.5	211.6	104.4	51.5	1.0
45°	909.9	881.8	790.3	661.1	504.8	357.0	215.9	114.4	57.7	31.5	0.5
47.5°	530.0	512.9	465.7	380.9	278.8	187.3	110.6	61.5	33.8	15.3	0.5
50°	277.4	256.0	220.2	166.8	123.0	86.3	53.9	32.9	16.7	4.8	0.5
52.5°	97.2	95.8	87.2	65.8	53.4	38.6	26.2	14.3	4.8	1.0	0.5
55°	13.8	13.8	12.9	14.3	15.3	13.8	9.1	3.8	1.0	0.5	0.5
57.5°	1.0	1.0	1.0	1.4	1.9	1.9	1.4	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	1.4
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4
77.5°	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4
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°	55.8	55.8	55.8	55.8	55.8
2.5°	55.3	44.3	35.3	31.0	29.6
5°	52.0	33.4	21.9	17.2	16.2
7.5°	46.2	23.8	13.3	9.5	9.1
10°	40.5	17.2	8.1	5.7	5.2
12.5°	33.8	11.9	5.2	3.3	2.9
15°	28.1	8.1	2.9	2.4	1.9
17.5°	22.4	5.2	1.9	1.4	1.9
20°	17.6	3.3	1.0	1.0	1.0
22.5°	13.3	1.9	1.0	1.0	1.0
25°	9.5	1.0	0.5	0.5	1.0
27.5°	6.7	0.5	0.5	0.5	1.0
30°	3.8	0.5	0.5	0.5	1.0
32.5°	1.9	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	1.4
40°	0.5	0.5	1.0	1.4	1.4
42.5°	0.5	0.5	1.0	1.4	1.9
45°	0.5	1.0	1.4	1.9	2.4
47.5°	1.0	1.0	1.9	2.4	2.9
50°	1.0	1.4	1.9	2.9	2.9
52.5°	1.0	1.4	2.4	2.9	3.3
55°	1.0	1.9	2.4	3.3	3.3
57.5°	1.4	1.9	2.4	3.3	3.3
60°	1.4	1.9	2.4	3.3	3.3
62.5°	1.4	1.9	2.4	3.3	3.3
65°	1.4	1.9	2.4	3.3	3.3
67.5°	1.4	1.9	2.4	2.9	3.3
70°	1.4	1.9	2.4	2.9	2.9
72.5°	1.9	1.9	2.4	2.9	2.9
75°	1.4	1.9	1.9	2.4	2.4
77.5°	1.4	1.4	1.4	1.9	1.9
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.0	1.0	1.4	1.4
85°	1.4	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)