

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: P1344404

Luminaire Tested: P3A13R259030D2WDE010 E3A301H

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344404
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R259030D2WDE010 E3A301H
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3A301H TRIM
Light Source: -
Ballast/Driver: -

Summary

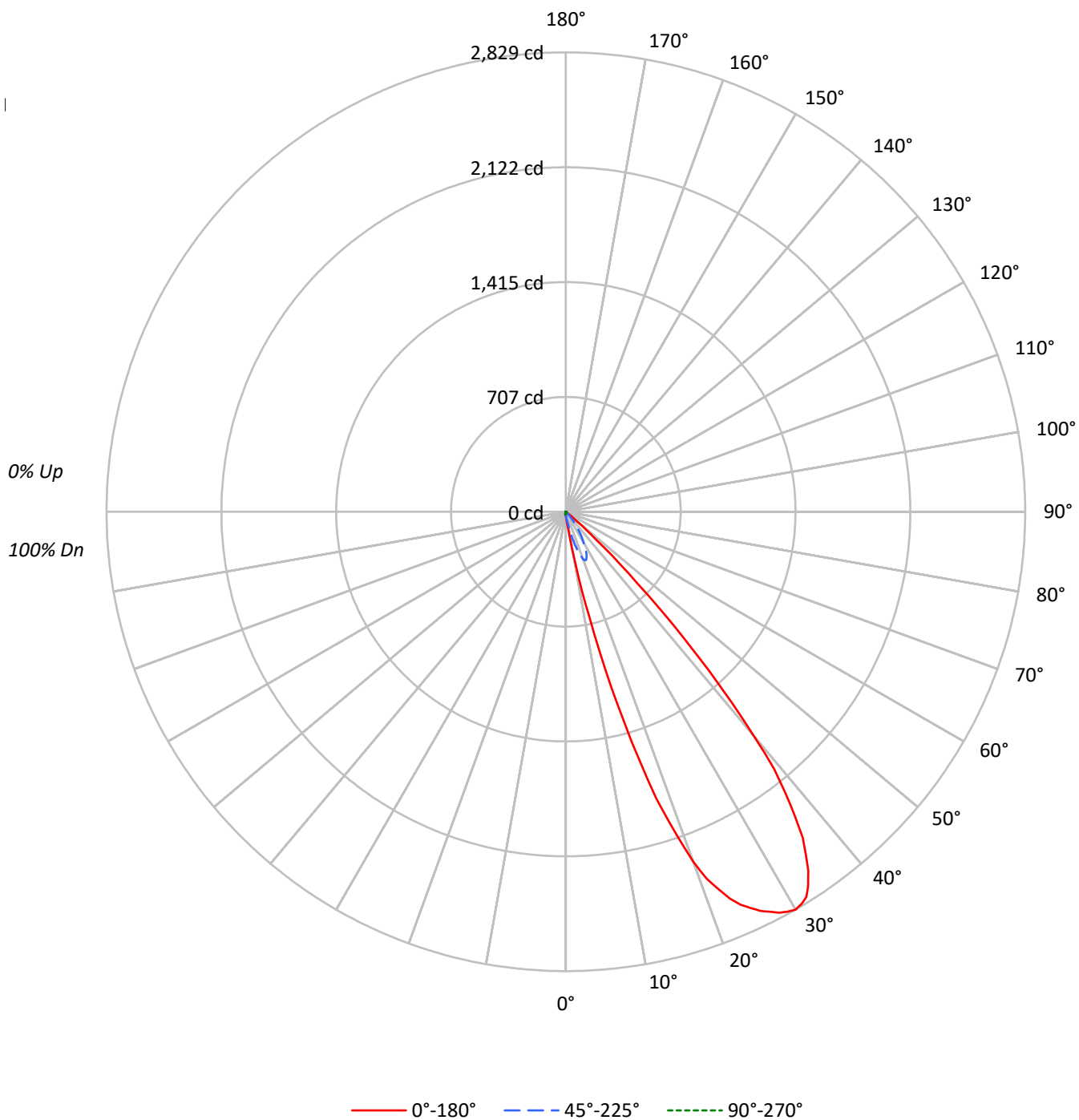
Lumens per Lamp: N/A
Luminaire Lumens: 566.0 lumens
Efficiency: N/A
Efficacy: 28.2 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5329	5329	5329	5329	5329
5°	13361	9883	4997	2553	1981
10°	58449	16811	4119	1180	824
15°	277890	45312	2883	477	363
20°	534940	72573	1843	117	117
25°	651497	73214	1016	0	0
30°	716313	56034	405	0	0
35°	690271	35630	134	0	0
40°	515766	15429	0	0	143
45°	190935	4093	155	155	496
50°	22515	546	375	375	716
55°	2217	0	421	612	994
60°	219	0	702	921	1140
65°	259	259	1090	1349	1660
70°	321	321	1346	1346	2052
75°	424	424	1356	1356	1779
80°	0	631	2020	1389	2020
85°	0	1258	4026	1258	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 190935 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.6
10°-20°	66.0	11.7
20°-30°	207.1	36.6
30°-40°	218.0	38.5
40°-50°	64.1	11.3
50°-60°	3.4	0.6
60°-70°	1.7	0.3
70°-80°	1.4	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°	276.6	48.9
0°-40°	494.7	87.4
0°-60°	562.2	99.3
0°-90°	566.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	566.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	24	24	24	24	24	
5°	61	45	23	12	9	11
15°	1224	200	13	2	2	386
25°	2693	303	4	0	0	1235
35°	2579	133	0	0	0	1556
45°	616	13	0	0	2	560
55°	6	0	1	2	3	15
65°	0	0	2	3	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°	45°	67.5°	90°	112.5°
0°	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
2.5°	37.5	38.0	36.4	37.5	36.4	35.9	35.4	32.7	28.5	24.3	20.1
5°	60.7	60.7	58.1	57.6	56.5	54.4	52.3	44.9	32.2	22.7	15.8
7.5°	95.1	94.5	93.5	90.8	85.5	80.3	75.0	58.6	35.4	21.1	12.1
10°	262.5	258.8	254.0	225.5	193.3	164.8	139.9	75.5	38.0	18.5	9.0
12.5°	652.2	631.1	580.9	523.9	451.0	374.4	299.4	123.0	39.1	15.3	6.3
15°	1224.1	1180.3	1102.1	988.0	839.1	671.7	529.1	199.6	38.0	12.7	4.8
17.5°	1848.3	1806.1	1697.8	1524.6	1305.4	1048.2	795.8	264.6	35.4	10.6	3.2
20°	2292.4	2247.5	2146.1	1962.4	1725.3	1382.5	1047.7	311.0	33.3	7.9	1.6
21°	2422.3	2377.4	2270.2	2092.8	1843.5	1499.8	1128.5	319.0	31.7	6.9	1.1
22°	2504.7	2478.3	2363.2	2191.0	1937.0	1593.8	1197.7	322.7	30.6	6.3	1.1
23°	2587.6	2548.0	2440.3	2258.6	2008.3	1663.5	1248.9	320.0	29.6	5.3	0.5
24°	2648.9	2615.6	2490.4	2310.9	2057.9	1706.2	1279.0	313.2	28.0	4.8	0.5
25°	2692.7	2662.1	2531.6	2346.3	2091.2	1729.5	1288.5	302.6	26.4	4.2	0.5
26°	2734.4	2701.2	2566.0	2366.9	2108.6	1736.9	1279.6	291.0	24.8	3.7	0.0
27°	2764.5	2730.7	2589.7	2379.0	2109.7	1727.9	1255.3	275.1	23.2	3.2	0.0
28°	2796.7	2757.7	2606.1	2385.9	2103.4	1706.8	1220.4	258.2	22.2	2.6	0.0
29°	2816.3	2779.3	2623.0	2393.3	2090.2	1671.4	1169.7	238.2	19.5	1.6	0.0
30°	2829.0	2785.1	2621.4	2385.4	2072.7	1633.4	1109.0	221.3	16.9	1.6	0.0
31°	2818.4	2772.4	2604.5	2363.2	2044.7	1583.7	1046.7	200.1	13.7	1.1	0.0
32°	2795.7	2741.3	2574.9	2324.6	1994.6	1519.8	982.2	182.7	10.0	1.1	0.0
33°	2740.2	2694.3	2521.6	2272.9	1929.1	1433.2	898.3	165.8	6.9	0.5	0.0
34°	2670.5	2624.6	2448.7	2203.7	1841.4	1321.3	796.4	148.4	5.8	0.5	0.0
35°	2578.6	2533.2	2366.3	2107.1	1725.3	1186.6	691.3	133.1	4.8	0.5	0.0
36°	2482.0	2421.8	2262.3	2004.1	1569.5	1033.5	578.8	115.7	3.7	0.5	0.0
37°	2339.9	2299.3	2122.4	1847.2	1401.0	886.7	496.9	99.8	2.6	0.5	0.0
38°	2192.6	2155.1	1982.4	1689.3	1213.0	741.4	416.1	84.5	2.1	0.0	0.0
39°	2040.5	1978.2	1807.6	1487.1	1016.0	621.0	350.1	70.8	1.1	0.0	0.0
40°	1801.8	1754.3	1572.1	1244.2	840.7	503.3	298.4	53.9	1.1	0.0	0.0
42.5°	1194.5	1150.2	959.0	674.9	446.8	294.1	197.0	21.1	0.0	0.5	0.0
45°	615.7	587.8	477.4	353.3	253.5	180.6	126.7	13.2	0.0	0.5	0.5
47.5°	244.5	239.8	216.5	186.9	144.2	107.2	69.2	5.8	0.0	0.5	0.5
50°	66.0	66.5	62.3	57.6	52.3	49.1	29.0	1.6	0.0	1.1	0.5
52.5°	28.0	28.5	27.5	25.9	23.2	17.4	11.6	0.5	0.5	1.1	1.1
55°	5.8	6.3	6.9	7.4	8.4	7.4	4.8	0.0	0.5	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.6	1.6	1.1	0.0	0.5	1.1	1.6
60°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	1.1	1.6	1.6
62.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.6	2.1
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	2.1	2.1
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6	2.1	2.1
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6	2.1	2.1
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6	2.1	1.6
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6	1.6	1.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.1	1.6	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.1	1.6	1.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.1	1.6	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	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):

	135°	157.5°	180°
0°	24.3	24.3	24.3
2.5°	16.9	15.3	14.8
5°	11.6	10.0	9.0
7.5°	7.9	6.3	5.8
10°	5.3	4.2	3.7
12.5°	3.7	2.1	2.1
15°	2.1	1.6	1.6
17.5°	1.1	0.5	0.5
20°	0.5	0.5	0.5
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.5
39°	0.0	0.5	0.5
40°	0.0	0.5	0.5
42.5°	0.0	0.5	1.1
45°	0.5	1.1	1.6
47.5°	1.1	1.6	2.1
50°	1.1	2.1	2.1
52.5°	1.6	2.1	2.6
55°	1.6	2.6	2.6
57.5°	2.1	2.6	3.2
60°	2.1	2.6	2.6
62.5°	2.1	3.2	3.2
65°	2.6	3.2	3.2
67.5°	2.6	3.2	3.2
70°	2.1	2.6	3.2
72.5°	2.1	2.6	2.6
75°	1.6	2.1	2.1
77.5°	1.6	1.6	2.1
80°	1.1	1.6	1.6

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.1	1.1	1.1
85°	0.5	0.5	0.5
87.5°	0.5	0.5	0.5
90°	0.0	0.0	0.0

(END OF REPORT)