

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: P1338836

Luminaire Tested: P3A05R409030D2WDE010 E3A301H

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R409030D2WDE010 E3A301H
Description: 3in Adjustable Dim to Warm LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3A301H TRIM
Light Source: -
Ballast/Driver: -

Summary

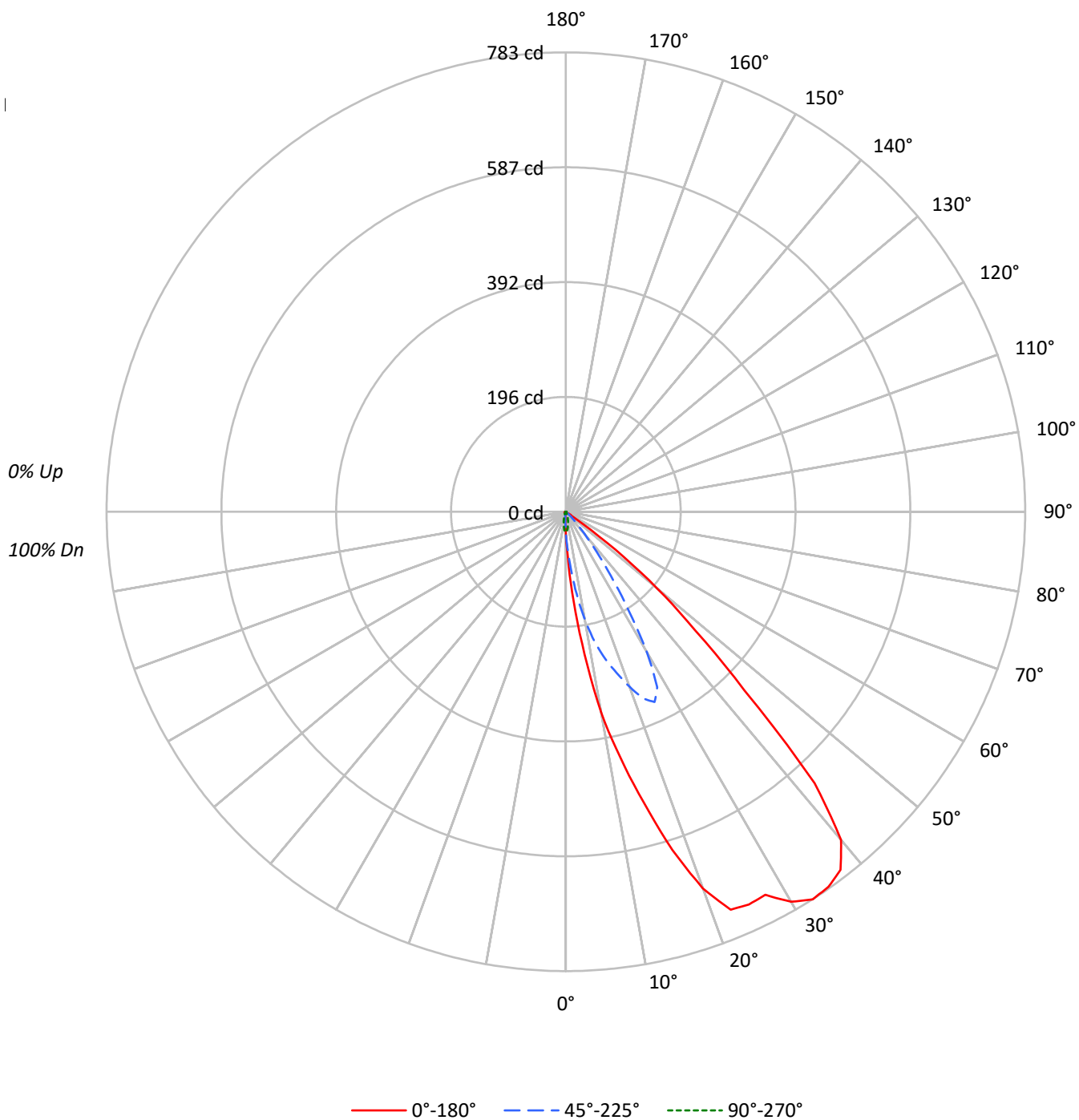
Lumens per Lamp: N/A
Luminaire Lumens: 288.9 lumens
Efficiency: N/A
Efficacy: 26.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	93	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	84	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	76	76	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	68	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	62	62	60
6	80	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	56	56	54
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	51	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	46	46	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	42	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	38	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7499	7499	7499	7499	7499
5°	33810	21550	6714	2575	1871
10°	77554	41660	4743	935	713
15°	116391	59115	2929	499	454
20°	159357	74090	1703	280	350
25°	178655	86570	895	242	290
30°	194334	69884	380	177	304
35°	208854	35764	134	268	402
40°	208906	14255	57	286	487
45°	133378	4776	155	465	682
50°	69251	580	239	580	819
55°	5964	76	268	765	1032
60°	219	88	307	877	1184
65°	259	104	519	882	1245
70°	128	128	641	962	1282
75°	169	169	593	1017	1440
80°	253	253	884	884	1263
85°	0	503	1761	1258	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 133378 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.7	2.3
10°-20°	39.1	13.5
20°-30°	85.7	29.6
30°-40°	97.6	33.8
40°-50°	51.5	17.8
50°-60°	6.1	2.1
60°-70°	1.1	0.4
70°-80°	0.9	0.3
80°-90°	0.4	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°	131.4	45.5
0°-40°	229.0	79.3
0°-60°	286.6	99.2
0°-90°	288.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	288.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	34	34	34	34	34	
5°	154	98	30	12	8	21
15°	513	260	13	2	2	151
25°	738	358	4	1	1	340
35°	780	134	0	1	2	484
45°	430	15	0	2	2	347
55°	16	0	1	2	3	49
65°	0	0	1	2	2	0
75°	0	0	1	1	2	0
85°	0	0	1	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°	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
2.5°	76.2	76.2	76.0	73.8	73.5	73.3	69.4	68.4	63.8	60.6	46.2
5°	153.6	150.2	150.0	146.1	139.5	130.7	125.1	116.0	107.2	97.9	56.9
7.5°	244.7	247.7	239.6	235.5	220.8	210.3	194.2	180.0	160.2	141.7	65.7
10°	348.3	343.2	335.1	327.1	311.2	292.4	268.4	243.3	214.7	187.1	70.6
12.5°	429.2	422.6	417.7	406.7	391.1	366.9	338.3	304.6	266.7	226.9	70.3
15°	512.7	506.1	495.1	485.3	462.1	435.0	404.0	359.5	313.1	260.4	65.2
17.5°	604.5	596.0	583.8	568.9	546.4	516.4	477.0	422.8	357.1	287.7	55.9
20°	682.9	677.8	665.6	648.0	626.0	596.7	551.3	491.2	411.1	317.5	44.5
22.5°	734.2	729.6	721.3	705.9	689.3	658.0	616.5	550.6	456.3	344.6	33.7
25°	738.4	736.4	734.2	729.1	719.1	696.9	656.3	585.2	484.4	357.8	24.9
27.5°	736.2	735.5	735.0	732.3	725.7	703.7	662.2	590.4	480.7	337.3	18.3
30°	767.5	765.3	764.0	755.2	737.9	704.0	649.7	562.8	427.2	276.0	13.2
32.5°	783.3	782.8	781.6	773.1	748.6	704.4	628.7	496.1	338.8	199.3	9.0
35°	780.2	777.7	773.3	757.4	723.5	668.0	560.8	396.2	244.5	133.6	5.9
37.5°	769.4	763.8	755.2	726.7	681.5	605.8	454.8	291.6	166.3	86.5	3.4
40°	729.8	722.3	708.8	673.9	614.6	499.3	336.3	197.1	109.2	49.8	1.0
42.5°	627.5	617.7	608.0	568.9	501.0	372.2	221.3	121.9	62.3	27.4	0.2
45°	430.1	417.9	404.5	376.2	321.7	225.4	131.7	68.6	32.2	15.4	0.2
47.5°	298.7	293.1	269.7	233.5	179.0	119.4	68.1	33.7	17.1	7.1	0.2
50°	203.0	196.6	169.3	134.3	95.3	57.2	31.3	16.9	7.6	1.7	0.2
52.5°	106.5	98.7	81.3	62.0	38.6	23.9	13.7	7.3	2.2	0.2	0.2
55°	15.6	14.4	11.7	9.5	8.5	6.6	3.9	1.7	0.2	0.2	0.5
57.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.5	0.2	0.2	0.2	0.5
60°	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.5
62.5°	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.5
65°	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.5
67.5°	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.5	0.7
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5
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°	34.2	34.2	34.2	34.2	34.2
2.5°	33.7	24.9	19.3	16.6	16.4
5°	30.5	17.8	11.7	9.0	8.5
7.5°	25.9	12.5	6.8	4.9	4.6
10°	21.3	8.5	4.2	3.4	3.2
12.5°	16.9	5.6	2.9	2.7	2.4
15°	12.9	3.7	2.2	2.0	2.0
17.5°	9.8	2.4	1.7	1.7	1.7
20°	7.3	1.7	1.2	1.5	1.5
22.5°	5.1	1.2	1.0	1.2	1.2
25°	3.7	1.0	1.0	1.2	1.2
27.5°	2.4	0.7	0.7	1.0	1.2
30°	1.5	0.5	0.7	1.0	1.2
32.5°	0.7	0.5	0.7	1.2	1.2
35°	0.5	0.7	1.0	1.2	1.5
37.5°	0.2	0.7	1.0	1.5	1.5
40°	0.2	0.7	1.0	1.5	1.7
42.5°	0.5	1.0	1.2	1.7	2.0
45°	0.5	1.0	1.5	2.0	2.2
47.5°	0.5	1.0	1.7	2.2	2.2
50°	0.7	1.2	1.7	2.2	2.4
52.5°	0.7	1.2	1.7	2.4	2.7
55°	0.7	1.2	2.0	2.4	2.7
57.5°	0.7	1.5	2.0	2.4	2.7
60°	0.7	1.2	2.0	2.4	2.7
62.5°	1.0	1.2	1.7	2.4	2.4
65°	1.0	1.2	1.7	2.4	2.4
67.5°	1.0	1.2	1.7	2.2	2.2
70°	1.0	1.2	1.5	2.0	2.0
72.5°	1.0	1.2	1.5	1.7	2.0
75°	0.7	1.0	1.2	1.5	1.7
77.5°	0.7	1.0	1.0	1.5	1.5
80°	0.7	0.7	0.7	1.0	1.0
82.5°	0.7	0.7	0.5	0.7	0.7
85°	0.7	0.5	0.5	0.5	0.5
87.5°	0.5	0.5	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)