

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: P1338324

Luminaire Tested: P3A05R359030D2WDE010 E3A301H

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338324
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: P3A05R359030D2WDE010 E3A301H
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3A301H TRIM
Light Source: -
Ballast/Driver: -

Summary

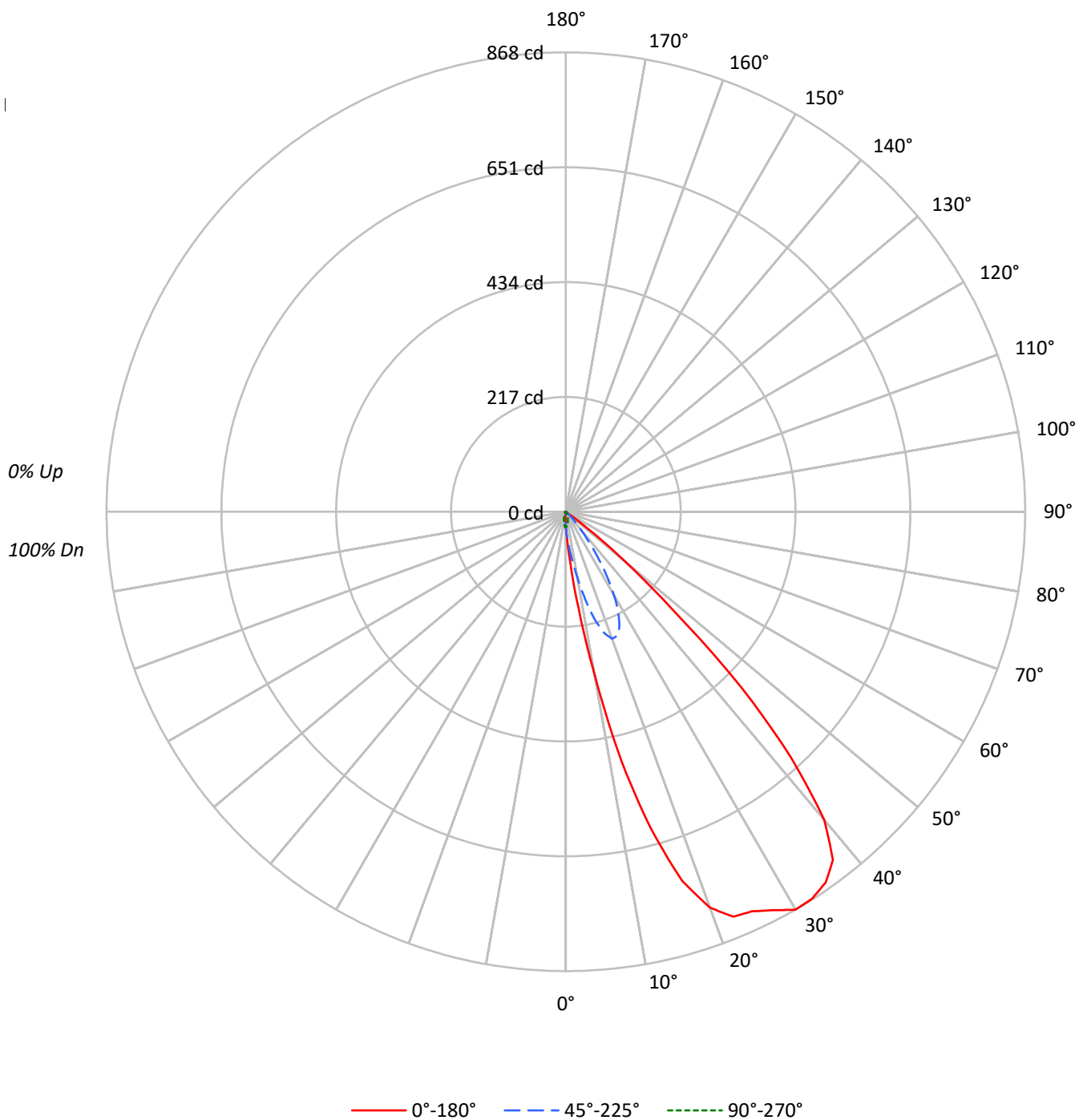
Lumens per Lamp: N/A
Luminaire Lumens: 272.9 lumens
Efficiency: N/A
Efficacy: 24.6 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	84	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°	6293	6293	6293	6293	6293
5°	21418	13911	5877	2487	1827
10°	68914	28211	4631	935	601
15°	140409	47855	3292	341	227
20°	185679	59599	2124	117	117
25°	201471	57923	1186	48	121
30°	219781	46159	506	51	127
35°	229011	28723	134	54	134
40°	217321	12566	57	143	200
45°	145069	5024	62	217	372
50°	48647	853	171	341	512
55°	2714	76	191	459	650
60°	219	88	307	526	746
65°	259	104	363	623	882
70°	128	128	449	769	962
75°	169	169	593	847	1017
80°	0	253	884	884	884
85°	0	503	1761	503	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 145069 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	1.8
10°-20°	39.2	14.4
20°-30°	82.8	30.3
30°-40°	93.9	34.4
40°-50°	46.2	16.9
50°-60°	4.0	1.5
60°-70°	0.8	0.3
70°-80°	0.7	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°	126.9	46.5
0°-40°	220.8	80.9
0°-60°	271.0	99.3
0°-90°	272.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	272.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	29	29	29	29	29	
5°	97	63	27	11	8	16
15°	618	211	14	2	1	176
25°	833	239	5	0	0	387
35°	856	107	0	0	0	527
45°	468	16	0	1	1	346
55°	7	0	0	1	2	28
65°	0	0	1	1	2	0
75°	0	0	1	1	1	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°	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
2.5°	49.7	51.0	50.5	50.2	50.0	49.0	46.8	46.6	44.4	42.9	35.5
5°	97.3	95.3	95.8	93.1	89.7	84.8	81.6	74.7	69.1	63.2	41.4
7.5°	183.3	180.6	175.5	167.6	159.5	149.0	133.1	120.3	105.6	91.7	46.1
10°	309.5	308.0	301.4	281.3	263.7	235.5	209.0	181.1	153.7	126.7	49.3
12.5°	478.1	468.1	456.1	429.3	394.5	359.3	307.1	258.8	214.9	169.8	49.5
15°	618.5	612.2	595.3	560.5	518.6	467.6	405.6	340.6	274.5	210.8	47.1
17.5°	731.5	721.7	699.9	665.8	617.6	551.4	478.9	399.7	319.1	239.9	42.9
20°	795.7	790.6	773.9	739.8	687.2	614.9	532.3	440.1	347.0	255.4	37.5
22.5°	828.1	824.4	812.1	784.9	735.7	662.9	568.3	461.2	355.1	253.6	31.9
25°	832.7	831.7	821.2	800.6	759.4	687.4	584.0	465.1	348.5	239.4	26.5
27.5°	848.9	845.5	833.0	812.4	771.0	691.6	578.6	451.6	327.2	214.4	22.1
30°	868.0	865.6	853.1	831.7	782.7	687.6	559.5	421.8	293.1	182.3	16.4
32.5°	866.5	865.6	855.0	832.5	774.4	664.6	525.4	376.9	246.8	143.9	10.3
35°	855.5	852.1	838.8	804.0	726.9	605.3	460.7	316.1	195.3	107.3	6.6
37.5°	829.0	821.7	799.4	740.3	641.8	513.9	375.2	244.1	138.2	71.8	4.2
40°	759.2	749.9	705.0	633.7	530.6	404.8	279.1	167.9	91.2	43.9	1.7
42.5°	629.8	610.9	566.1	492.8	396.0	286.2	183.3	108.8	53.7	26.5	0.5
45°	467.8	453.4	406.3	339.9	259.5	183.6	111.0	58.8	29.7	16.2	0.2
47.5°	272.5	263.7	239.4	195.8	143.4	96.3	56.9	31.6	17.4	7.8	0.2
50°	142.6	131.6	113.2	85.8	63.2	44.4	27.7	16.9	8.6	2.5	0.2
52.5°	50.0	49.3	44.8	33.8	27.4	19.9	13.5	7.4	2.5	0.5	0.2
55°	7.1	7.1	6.6	7.4	7.8	7.1	4.7	2.0	0.5	0.2	0.2
57.5°	0.5	0.5	0.5	0.7	1.0	1.0	0.7	0.2	0.2	0.2	0.5
60°	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
62.5°	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
65°	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
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	0.2	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°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5
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°	28.7	28.7	28.7	28.7	28.7
2.5°	28.4	22.8	18.1	15.9	15.2
5°	26.7	17.2	11.3	8.8	8.3
7.5°	23.8	12.3	6.9	4.9	4.7
10°	20.8	8.8	4.2	2.9	2.7
12.5°	17.4	6.1	2.7	1.7	1.5
15°	14.5	4.2	1.5	1.2	1.0
17.5°	11.5	2.7	1.0	0.7	1.0
20°	9.1	1.7	0.5	0.5	0.5
22.5°	6.9	1.0	0.5	0.5	0.5
25°	4.9	0.5	0.2	0.2	0.5
27.5°	3.4	0.2	0.2	0.2	0.5
30°	2.0	0.2	0.2	0.2	0.5
32.5°	1.0	0.2	0.2	0.5	0.5
35°	0.5	0.2	0.2	0.5	0.5
37.5°	0.2	0.2	0.2	0.5	0.7
40°	0.2	0.2	0.5	0.7	0.7
42.5°	0.2	0.2	0.5	0.7	1.0
45°	0.2	0.5	0.7	1.0	1.2
47.5°	0.5	0.5	1.0	1.2	1.5
50°	0.5	0.7	1.0	1.5	1.5
52.5°	0.5	0.7	1.2	1.5	1.7
55°	0.5	1.0	1.2	1.7	1.7
57.5°	0.7	1.0	1.2	1.7	1.7
60°	0.7	1.0	1.2	1.7	1.7
62.5°	0.7	1.0	1.2	1.7	1.7
65°	0.7	1.0	1.2	1.7	1.7
67.5°	0.7	1.0	1.2	1.5	1.7
70°	0.7	1.0	1.2	1.5	1.5
72.5°	1.0	1.0	1.2	1.5	1.5
75°	0.7	1.0	1.0	1.2	1.2
77.5°	0.7	0.7	0.7	1.0	1.0
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.5	0.5	0.7	0.7
85°	0.7	0.5	0.2	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)