

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: P1338372

Luminaire Tested: P3A05R359040DE010 E3A301H

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338372
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: P3A05R359040DE010 E3A301H
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3A301H TRIM
Light Source: -
Ballast/Driver: -

Summary

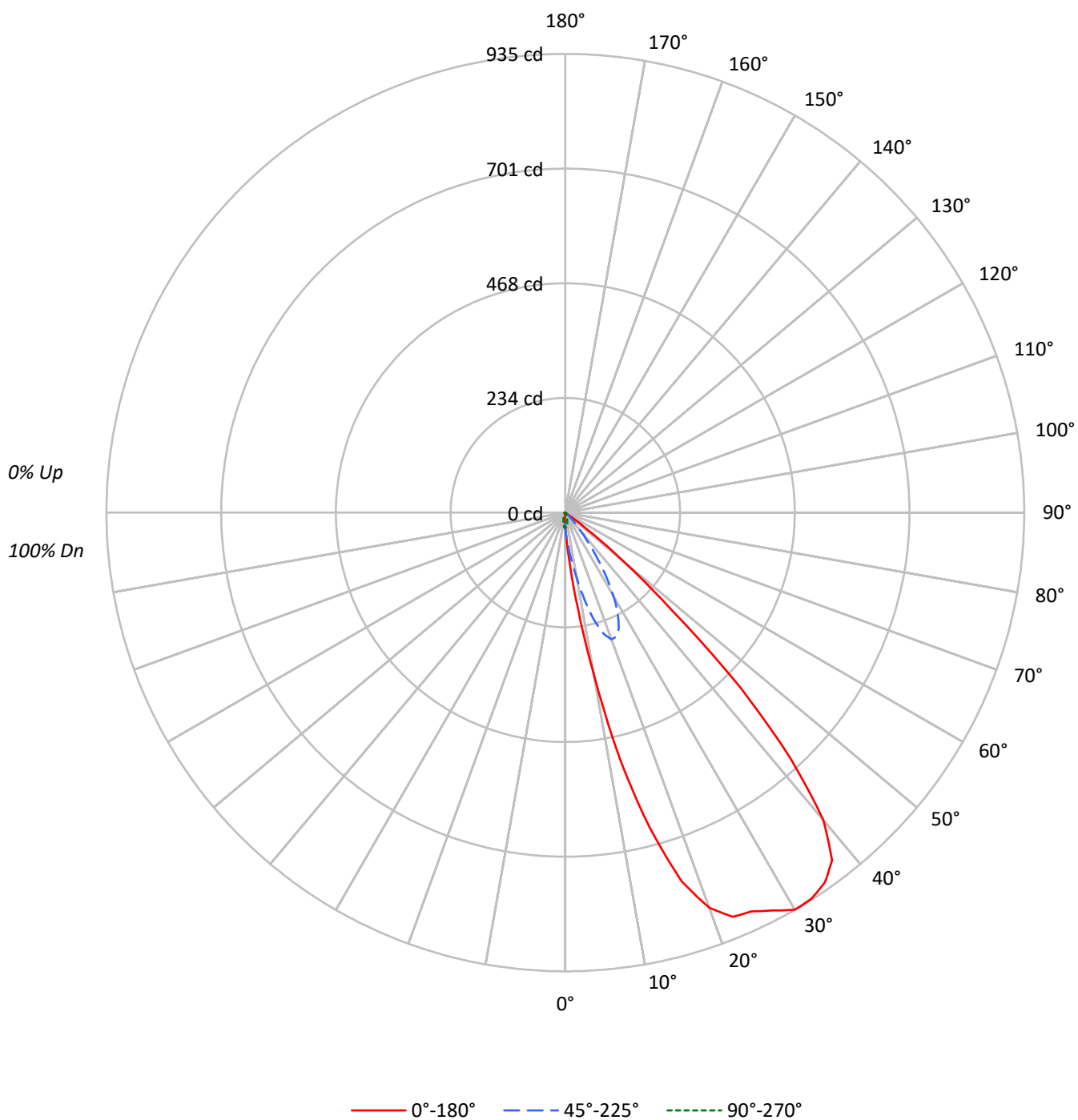
Lumens per Lamp: N/A
Luminaire Lumens: 294.0 lumens
Efficiency: N/A
Efficacy: 40.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6776	6776	6776	6776	6776
5°	23068	14990	6339	2663	1981
10°	74214	30371	4988	1002	646
15°	151215	51533	3541	363	250
20°	199961	64172	2287	117	117
25°	216980	62375	1282	73	121
30°	236695	49729	532	76	127
35°	246625	30945	134	80	134
40°	234038	13511	86	143	229
45°	156233	5396	93	248	403
50°	52399	887	171	375	546
55°	2944	115	191	497	688
60°	219	132	351	570	789
65°	259	156	415	675	934
70°	192	192	513	833	1026
75°	254	254	678	932	1101
80°	0	379	1010	1010	1010
85°	0	755	2013	755	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 156233 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	1.8
10°-20°	42.2	14.4
20°-30°	89.1	30.3
30°-40°	101.1	34.4
40°-50°	49.8	16.9
50°-60°	4.3	1.5
60°-70°	0.9	0.3
70°-80°	0.8	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°	136.7	46.5
0°-40°	237.8	80.9
0°-60°	291.9	99.3
0°-90°	294.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	294.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	31	31	31	31	31	
5°	105	68	29	12	9	17
15°	666	227	16	2	1	189
25°	897	258	5	0	0	417
35°	921	116	0	0	0	568
45°	504	17	0	1	1	372
55°	8	0	0	1	2	30
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°	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
2.5°	53.6	54.9	54.4	54.1	53.8	52.8	50.4	50.1	47.8	46.2	38.3
5°	104.8	102.7	103.2	100.3	96.6	91.3	87.9	80.5	74.4	68.1	44.6
7.5°	197.4	194.5	189.0	180.5	171.8	160.5	143.3	129.6	113.7	98.7	49.6
10°	333.3	331.7	324.6	303.0	284.0	253.6	225.1	195.0	165.5	136.4	53.0
12.5°	514.9	504.1	491.1	462.4	424.9	386.9	330.7	278.7	231.5	182.9	53.3
15°	666.1	659.3	641.0	603.6	558.4	503.5	436.8	366.8	295.6	227.0	50.7
17.5°	787.8	777.2	753.7	717.1	665.1	593.8	515.7	430.4	343.6	258.4	46.2
20°	856.9	851.4	833.4	796.8	740.0	662.2	573.2	474.0	373.7	275.0	40.4
22.5°	891.8	887.8	874.6	845.3	792.3	713.9	612.0	496.7	382.4	273.1	34.3
25°	896.8	895.7	884.4	862.2	817.9	740.3	628.9	500.9	375.3	257.8	28.5
27.5°	914.2	910.5	897.0	874.9	830.3	744.8	623.1	486.4	352.3	230.9	23.8
30°	934.8	932.1	918.7	895.7	842.9	740.5	602.5	454.2	315.6	196.4	17.7
32.5°	933.2	932.1	920.8	896.5	834.0	715.7	565.8	405.9	265.8	154.9	11.1
35°	921.3	917.6	903.4	865.9	782.8	651.9	496.2	340.4	210.3	115.6	7.1
37.5°	892.8	884.9	860.9	797.3	691.2	553.4	404.1	262.9	148.8	77.3	4.5
40°	817.6	807.6	759.3	682.5	571.4	436.0	300.6	180.8	98.2	47.2	1.8
42.5°	678.3	657.9	609.6	530.7	426.5	308.3	197.4	117.2	57.8	28.5	0.5
45°	503.8	488.2	437.6	366.0	279.5	197.7	119.6	63.3	31.9	17.4	0.3
47.5°	293.5	284.0	257.8	210.9	154.4	103.7	61.2	34.0	18.7	8.4	0.3
50°	153.6	141.7	121.9	92.4	68.1	47.8	29.8	18.2	9.2	2.6	0.3
52.5°	53.8	53.0	48.3	36.4	29.6	21.4	14.5	7.9	2.6	0.5	0.3
55°	7.7	7.7	7.1	7.9	8.4	7.7	5.0	2.1	0.5	0.3	0.3
57.5°	0.5	0.5	0.5	0.8	1.1	1.1	0.8	0.3	0.3	0.3	0.5
60°	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
62.5°	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
65°	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
77.5°	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	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°	30.9	30.9	30.9	30.9	30.9
2.5°	30.6	24.5	19.5	17.2	16.4
5°	28.8	18.5	12.1	9.5	9.0
7.5°	25.6	13.2	7.4	5.3	5.0
10°	22.4	9.5	4.5	3.2	2.9
12.5°	18.7	6.6	2.9	1.8	1.6
15°	15.6	4.5	1.6	1.3	1.1
17.5°	12.4	2.9	1.1	0.8	1.1
20°	9.8	1.8	0.5	0.5	0.5
22.5°	7.4	1.1	0.5	0.5	0.5
25°	5.3	0.5	0.3	0.3	0.5
27.5°	3.7	0.3	0.3	0.3	0.5
30°	2.1	0.3	0.3	0.3	0.5
32.5°	1.1	0.3	0.3	0.5	0.5
35°	0.5	0.3	0.3	0.5	0.5
37.5°	0.3	0.3	0.3	0.5	0.8
40°	0.3	0.3	0.5	0.8	0.8
42.5°	0.3	0.3	0.5	0.8	1.1
45°	0.3	0.5	0.8	1.1	1.3
47.5°	0.5	0.5	1.1	1.3	1.6
50°	0.5	0.8	1.1	1.6	1.6
52.5°	0.5	0.8	1.3	1.6	1.8
55°	0.5	1.1	1.3	1.8	1.8
57.5°	0.8	1.1	1.3	1.8	1.8
60°	0.8	1.1	1.3	1.8	1.8
62.5°	0.8	1.1	1.3	1.8	1.8
65°	0.8	1.1	1.3	1.8	1.8
67.5°	0.8	1.1	1.3	1.6	1.8
70°	0.8	1.1	1.3	1.6	1.6
72.5°	1.1	1.1	1.3	1.6	1.6
75°	0.8	1.1	1.1	1.3	1.3
77.5°	0.8	0.8	0.8	1.1	1.1
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.5	0.5	0.8	0.8
85°	0.8	0.5	0.3	0.5	0.5
87.5°	0.5	0.5	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)