

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: P1337928

Luminaire Tested: P3A05R309735DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337928
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R309735DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

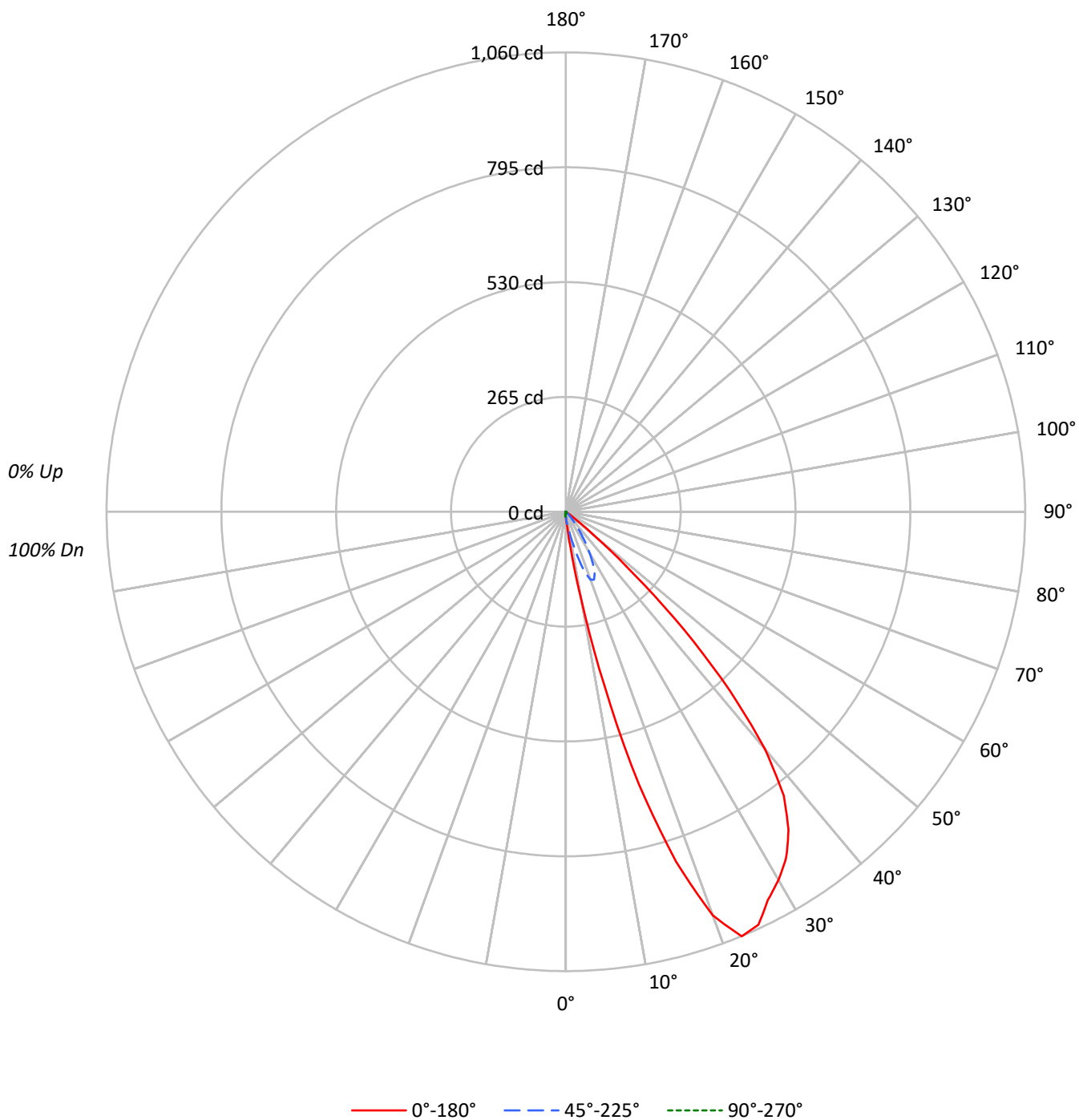
Lumens per Lamp: N/A
Luminaire Lumens: 250.0 lumens
Efficiency: N/A
Efficacy: 34.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2609	2609	2609	2609	2609
5°	7836	5239	2465	1101	902
10°	45423	11089	1937	512	356
15°	147742	25153	1339	114	45
20°	231207	38923	863	0	0
25°	254361	38034	436	0	0
30°	248443	27422	177	0	0
35°	239772	15606	54	0	0
40°	204469	6612	0	0	0
45°	120012	2481	62	0	62
50°	29133	478	68	68	239
55°	2523	0	191	268	344
60°	88	0	219	307	482
65°	104	104	363	363	571
70°	128	128	449	449	577
75°	0	169	593	593	593
80°	0	253	884	631	631
85°	0	503	1761	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 120012 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	0.9
10°-20°	34.4	13.7
20°-30°	87.3	34.9
30°-40°	87.0	34.8
40°-50°	35.3	14.1
50°-60°	2.4	1.0
60°-70°	0.5	0.2
70°-80°	0.6	0.2
80°-90°	0.3	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°	123.9	49.5
0°-40°	210.9	84.4
0°-60°	248.6	99.4
0°-90°	250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	250.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	36	24	11	5	4	8
15°	651	111	6	0	0	189
25°	1051	157	2	0	0	475
35°	896	58	0	0	0	549
45°	387	8	0	0	0	295
55°	7	0	0	1	1	17
65°	0	0	1	1	1	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°	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
2.5°	19.6	19.9	19.9	19.4	19.2	19.2	18.5	18.3	17.6	16.9	14.6
5°	35.6	35.0	34.0	34.0	32.0	30.8	29.2	27.4	26.0	23.8	16.9
7.5°	80.9	75.4	73.8	71.7	64.0	57.8	50.7	44.5	38.8	34.0	18.7
10°	204.0	193.3	184.4	166.3	143.7	122.0	101.9	78.6	62.6	49.8	20.1
12.5°	411.0	396.6	379.4	346.5	304.3	250.1	202.2	151.0	106.0	73.3	20.6
15°	650.8	626.4	599.7	557.9	488.6	411.0	324.4	242.8	170.2	110.8	20.1
17.5°	846.4	836.8	797.3	740.2	655.4	555.3	448.7	337.2	229.6	145.1	18.7
20°	990.8	984.1	936.4	875.6	780.1	665.5	530.0	396.1	270.9	166.8	16.7
22.5°	1060.4	1059.3	1024.8	962.7	861.5	731.5	582.3	430.2	283.7	169.7	13.9
25°	1051.3	1055.4	1035.8	989.6	892.5	758.7	597.8	430.2	274.4	157.2	11.7
27.5°	1009.7	1012.5	1000.1	964.7	874.3	739.0	576.1	402.5	247.2	135.0	9.6
30°	981.2	982.3	967.0	929.1	833.1	694.2	525.0	351.3	206.1	108.3	7.1
32.5°	946.4	946.2	928.4	885.0	779.2	631.4	460.1	290.4	158.3	82.2	4.1
35°	895.7	890.0	865.8	815.8	698.8	546.9	377.2	221.1	114.0	58.3	2.5
37.5°	826.0	811.2	776.9	710.0	586.0	428.8	279.6	155.3	77.9	38.6	1.6
40°	714.3	698.6	652.0	570.7	443.2	308.6	188.5	101.2	49.1	23.1	0.9
42.5°	560.1	549.4	486.6	405.5	292.6	196.9	113.3	59.9	27.6	13.2	0.2
45°	387.0	373.0	323.7	254.9	175.7	109.2	63.5	31.3	15.8	8.0	0.0
47.5°	213.6	196.5	167.9	132.0	88.4	57.3	32.0	16.9	8.9	3.9	0.0
50°	85.4	84.8	67.4	48.0	33.8	26.0	16.0	9.1	4.6	1.4	0.2
52.5°	29.9	29.9	25.8	21.0	16.4	11.9	8.0	4.3	1.6	0.5	0.2
55°	6.6	7.3	6.9	6.4	6.2	5.3	3.4	1.6	0.5	0.0	0.2
57.5°	0.7	0.7	0.7	0.9	1.1	1.1	0.9	0.5	0.0	0.0	0.2
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.5
62.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.5
65°	0.2	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°	0.0	0.0	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.7
77.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	11.9	11.9	11.9	11.9	11.9
2.5°	11.9	9.4	7.8	6.9	6.6
5°	11.2	7.1	5.0	4.3	4.1
7.5°	10.1	5.3	3.4	2.7	2.5
10°	8.7	3.9	2.3	1.6	1.6
12.5°	7.3	3.0	1.4	0.7	0.5
15°	5.9	1.8	0.5	0.2	0.2
17.5°	4.6	1.1	0.0	0.0	0.0
20°	3.7	0.5	0.0	0.0	0.0
22.5°	2.7	0.2	0.0	0.0	0.0
25°	1.8	0.0	0.0	0.0	0.0
27.5°	1.1	0.0	0.0	0.0	0.0
30°	0.7	0.0	0.0	0.0	0.0
32.5°	0.2	0.0	0.0	0.0	0.0
35°	0.2	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.2	0.0	0.0	0.2	0.2
47.5°	0.2	0.2	0.2	0.5	0.5
50°	0.2	0.2	0.2	0.5	0.7
52.5°	0.5	0.2	0.5	0.7	0.7
55°	0.5	0.5	0.7	0.9	0.9
57.5°	0.5	0.5	0.7	0.9	0.9
60°	0.5	0.5	0.7	0.9	1.1
62.5°	0.7	0.7	0.7	0.9	0.9
65°	0.7	0.7	0.7	0.9	1.1
67.5°	0.7	0.7	0.7	0.9	1.1
70°	0.7	0.7	0.7	0.9	0.9
72.5°	0.9	0.7	0.7	0.9	0.9
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.5	0.7	0.7
80°	0.7	0.5	0.5	0.5	0.5
82.5°	0.7	0.5	0.5	0.5	0.5
85°	0.7	0.5	0.2	0.2	0.2
87.5°	0.7	0.5	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)