

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: P1335509

Luminaire Tested: P3A02R359840DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335509
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: P3A02R359840DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

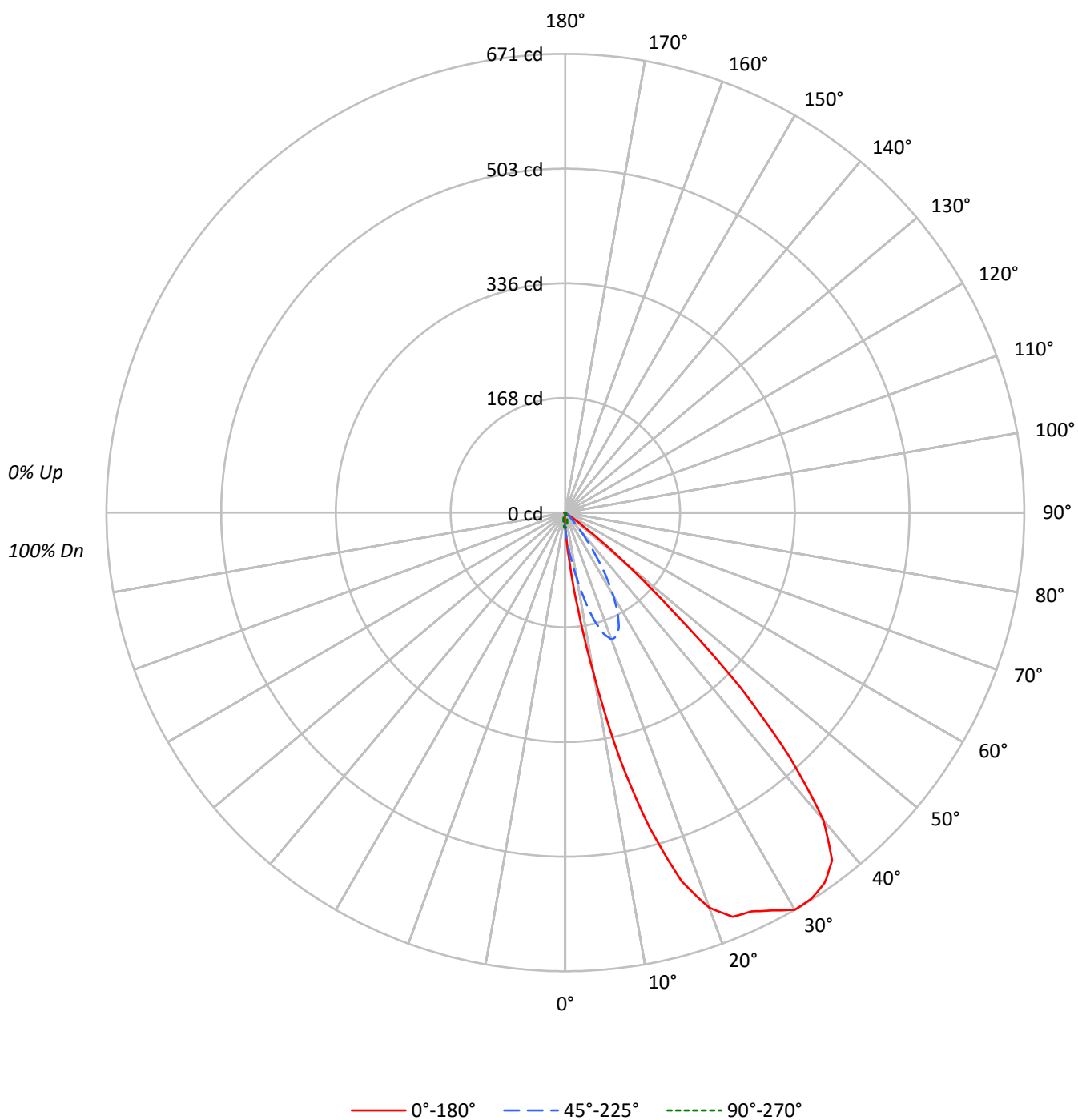
Lumens per Lamp: N/A
Luminaire Lumens: 211.1 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	98	96	96	94	93	93	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	84	84	83
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	76	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	69	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	60
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	56	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	51	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	46	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	42	42	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4868	4868	4868	4868	4868
5°	16553	10764	4534	1915	1409
10°	53261	21799	3585	713	468
15°	108536	36981	2543	250	182
20°	143512	46064	1633	93	93
25°	155719	44785	919	48	97
30°	169874	35676	380	51	101
35°	176998	22218	107	54	107
40°	167972	9704	57	115	172
45°	112136	3876	62	186	279
50°	37594	648	136	273	375
55°	2103	76	153	344	497
60°	175	88	263	395	570
65°	208	104	311	467	675
70°	128	128	385	577	705
75°	169	169	508	678	763
80°	0	253	758	758	758
85°	0	503	1510	503	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 112136 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	1.8
10°-20°	30.3	14.4
20°-30°	64.0	30.3
30°-40°	72.6	34.4
40°-50°	35.7	16.9
50°-60°	3.1	1.5
60°-70°	0.6	0.3
70°-80°	0.6	0.3
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°	98.1	46.5
0°-40°	170.7	80.9
0°-60°	209.5	99.3
0°-90°	211.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	211.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	22	22	22	22	22	
5°	75	49	21	9	6	12
15°	478	163	11	1	1	136
25°	644	185	4	0	0	299
35°	661	83	0	0	0	408
45°	362	12	0	1	1	267
55°	6	0	0	1	1	22
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°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
2.5°	38.4	39.4	39.0	38.8	38.6	37.9	36.2	36.0	34.3	33.1	27.5
5°	75.2	73.7	74.1	72.0	69.3	65.5	63.1	57.8	53.4	48.9	32.0
7.5°	141.7	139.6	135.6	129.6	123.3	115.2	102.8	93.0	81.6	70.8	35.6
10°	239.2	238.1	233.0	217.4	203.8	182.0	161.6	140.0	118.8	97.9	38.1
12.5°	369.5	361.8	352.5	331.8	304.9	277.7	237.3	200.0	166.1	131.3	38.3
15°	478.1	473.1	460.1	433.2	400.8	361.4	313.5	263.3	212.1	162.9	36.4
17.5°	565.4	557.8	540.9	514.6	477.3	426.2	370.1	308.9	246.6	185.4	33.1
20°	615.0	611.0	598.1	571.8	531.1	475.2	411.4	340.2	268.2	197.4	29.0
22.5°	640.0	637.2	627.7	606.7	568.6	512.3	439.2	356.5	274.5	196.0	24.6
25°	643.6	642.8	634.7	618.8	587.0	531.3	451.4	359.5	269.3	185.1	20.5
27.5°	656.1	653.5	643.8	627.9	595.9	534.5	447.2	349.1	252.9	165.7	17.0
30°	670.9	669.0	659.3	642.8	605.0	531.5	432.4	326.0	226.5	140.9	12.7
32.5°	669.7	669.0	660.8	643.4	598.5	513.7	406.1	291.3	190.7	111.2	8.0
35°	661.2	658.6	648.3	621.4	561.8	467.8	356.1	244.3	151.0	83.0	5.1
37.5°	640.8	635.1	617.8	572.2	496.1	397.2	290.0	188.6	106.8	55.5	3.2
40°	586.8	579.6	544.9	489.8	410.1	312.9	215.7	129.7	70.5	33.9	1.3
42.5°	486.8	472.2	437.5	380.9	306.1	221.2	141.7	84.1	41.5	20.5	0.4
45°	361.6	350.4	314.0	262.7	200.6	141.9	85.8	45.5	22.9	12.5	0.2
47.5°	210.6	203.8	185.1	151.3	110.8	74.4	43.9	24.4	13.4	6.1	0.2
50°	110.2	101.7	87.5	66.3	48.9	34.3	21.4	13.1	6.6	1.9	0.2
52.5°	38.6	38.1	34.7	26.1	21.2	15.3	10.4	5.7	1.9	0.4	0.2
55°	5.5	5.5	5.1	5.7	6.1	5.5	3.6	1.5	0.4	0.2	0.2
57.5°	0.4	0.4	0.4	0.6	0.8	0.8	0.6	0.2	0.2	0.2	0.4
60°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
62.5°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
65°	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
77.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
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°	22.2	22.2	22.2	22.2	22.2
2.5°	22.0	17.6	14.0	12.3	11.7
5°	20.6	13.3	8.7	6.8	6.4
7.5°	18.4	9.5	5.3	3.8	3.6
10°	16.1	6.8	3.2	2.3	2.1
12.5°	13.4	4.7	2.1	1.3	1.1
15°	11.2	3.2	1.1	0.9	0.8
17.5°	8.9	2.1	0.8	0.6	0.8
20°	7.0	1.3	0.4	0.4	0.4
22.5°	5.3	0.8	0.4	0.4	0.4
25°	3.8	0.4	0.2	0.2	0.4
27.5°	2.7	0.2	0.2	0.2	0.4
30°	1.5	0.2	0.2	0.2	0.4
32.5°	0.8	0.2	0.2	0.4	0.4
35°	0.4	0.2	0.2	0.4	0.4
37.5°	0.2	0.2	0.2	0.4	0.6
40°	0.2	0.2	0.4	0.6	0.6
42.5°	0.2	0.2	0.4	0.6	0.8
45°	0.2	0.4	0.6	0.8	0.9
47.5°	0.4	0.4	0.8	0.9	1.1
50°	0.4	0.6	0.8	1.1	1.1
52.5°	0.4	0.6	0.9	1.1	1.3
55°	0.4	0.8	0.9	1.3	1.3
57.5°	0.6	0.8	0.9	1.3	1.3
60°	0.6	0.8	0.9	1.3	1.3
62.5°	0.6	0.8	0.9	1.3	1.3
65°	0.6	0.8	0.9	1.3	1.3
67.5°	0.6	0.8	0.9	1.1	1.3
70°	0.6	0.8	0.9	1.1	1.1
72.5°	0.8	0.8	0.9	1.1	1.1
75°	0.6	0.8	0.8	0.9	0.9
77.5°	0.6	0.6	0.6	0.8	0.8
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.4	0.4	0.6	0.6
85°	0.6	0.4	0.2	0.4	0.4
87.5°	0.4	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)