

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: P1342018

Luminaire Tested: P3A09R359827DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1342018
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: P3A09R359827DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

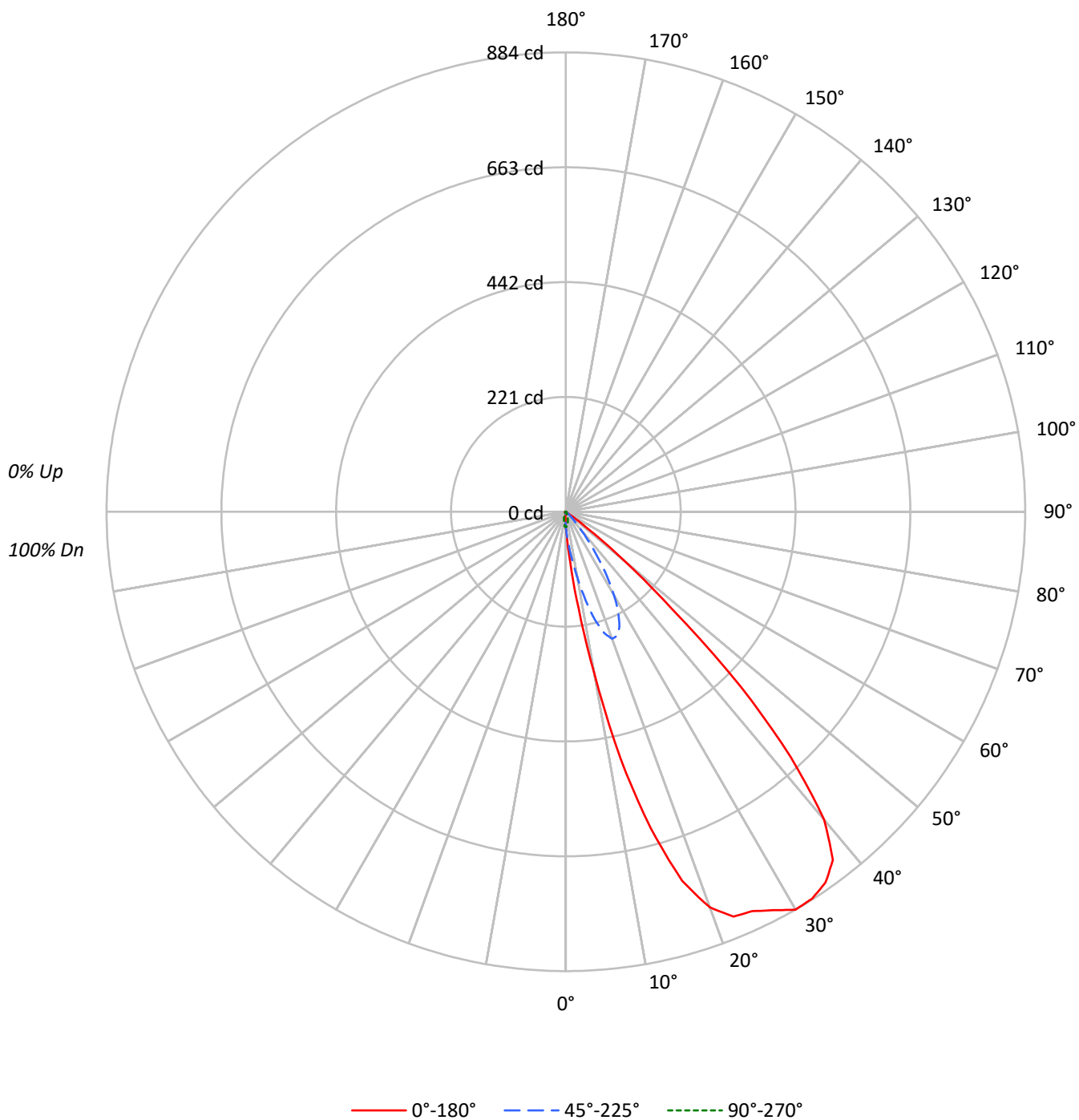
Lumens per Lamp: N/A
Luminaire Lumens: 277.9 lumens
Efficiency: N/A
Efficacy: 25.3 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	63	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°	6403	6403	6403	6403	6403
5°	21814	14176	5987	2531	1871
10°	70184	28724	4720	935	601
15°	142997	48718	3337	341	227
20°	189086	60672	2147	117	117
25°	205173	58987	1210	48	121
30°	223807	47020	506	51	127
35°	233214	29259	134	54	134
40°	221300	12795	57	143	200
45°	147736	5117	62	217	372
50°	49534	853	171	341	512
55°	2753	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: 147736 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	1.8
10°-20°	39.9	14.4
20°-30°	84.3	30.3
30°-40°	95.6	34.4
40°-50°	47.0	16.9
50°-60°	4.1	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°	129.3	46.5
0°-40°	224.9	80.9
0°-60°	276.0	99.3
0°-90°	277.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	277.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	29	29	29	29	29	
5°	99	64	27	12	8	16
15°	630	215	15	2	1	179
25°	848	244	5	0	0	395
35°	871	109	0	0	0	537
45°	476	16	0	1	1	352
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°	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
2.5°	50.7	51.9	51.4	51.2	50.9	49.9	47.7	47.4	45.2	43.7	36.2
5°	99.1	97.1	97.6	94.8	91.3	86.3	83.1	76.1	70.4	64.4	42.2
7.5°	186.7	183.9	178.7	170.7	162.5	151.7	135.5	122.5	107.6	93.3	46.9
10°	315.2	313.7	306.9	286.5	268.5	239.8	212.9	184.4	156.5	129.0	50.2
12.5°	486.9	476.6	464.4	437.2	401.8	365.8	312.7	263.5	218.9	172.9	50.4
15°	629.9	623.4	606.2	570.7	528.0	476.1	413.0	346.9	279.5	214.6	47.9
17.5°	744.9	734.9	712.7	678.0	628.9	561.5	487.6	407.0	324.9	244.3	43.7
20°	810.3	805.0	788.1	753.4	699.7	626.1	542.0	448.2	353.4	260.0	38.2
22.5°	843.2	839.5	827.0	799.3	749.1	675.0	578.7	469.7	361.6	258.3	32.4
25°	848.0	847.0	836.2	815.3	773.4	700.0	594.7	473.6	354.9	243.8	27.0
27.5°	864.4	860.9	848.2	827.3	785.1	704.2	589.2	459.9	333.1	218.4	22.5
30°	883.9	881.4	868.7	847.0	797.1	700.2	569.7	429.5	298.5	185.7	16.7
32.5°	882.4	881.4	870.7	847.7	788.6	676.8	535.0	383.8	251.3	146.5	10.5
35°	871.2	867.7	854.2	818.8	740.2	616.4	469.2	321.9	198.9	109.3	6.7
37.5°	844.2	836.7	814.0	753.9	653.6	523.3	382.1	248.6	140.7	73.1	4.2
40°	773.1	763.6	718.0	645.3	540.3	412.3	284.2	170.9	92.8	44.7	1.7
42.5°	641.3	622.1	576.5	501.8	403.3	291.5	186.7	110.8	54.7	27.0	0.5
45°	476.4	461.7	413.8	346.1	264.3	186.9	113.0	59.9	30.2	16.5	0.2
47.5°	277.5	268.5	243.8	199.4	146.0	98.1	57.9	32.2	17.7	8.0	0.2
50°	145.2	134.0	115.3	87.3	64.4	45.2	28.2	17.2	8.7	2.5	0.2
52.5°	50.9	50.2	45.7	34.4	27.9	20.2	13.7	7.5	2.5	0.5	0.2
55°	7.2	7.2	6.7	7.5	8.0	7.2	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°	29.2	29.2	29.2	29.2	29.2
2.5°	28.9	23.2	18.5	16.2	15.5
5°	27.2	17.5	11.5	9.0	8.5
7.5°	24.2	12.5	7.0	5.0	4.7
10°	21.2	9.0	4.2	3.0	2.7
12.5°	17.7	6.2	2.7	1.7	1.5
15°	14.7	4.2	1.5	1.2	1.0
17.5°	11.7	2.7	1.0	0.7	1.0
20°	9.2	1.7	0.5	0.5	0.5
22.5°	7.0	1.0	0.5	0.5	0.5
25°	5.0	0.5	0.2	0.2	0.5
27.5°	3.5	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)