

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: P1338008

Luminaire Tested: P3A05R309840DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338008
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: P3A05R309840DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

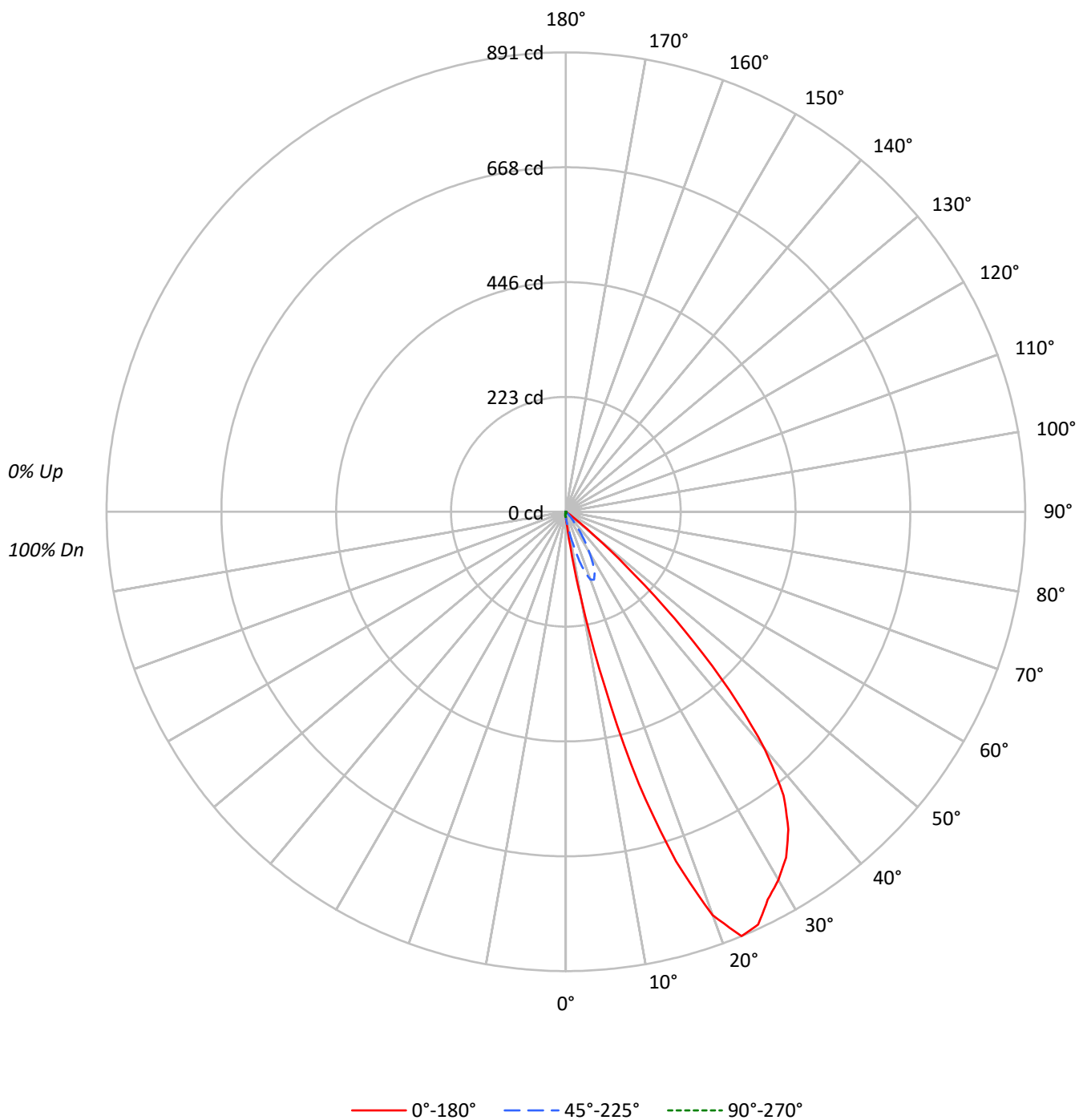
Lumens per Lamp: N/A
Luminaire Lumens: 210.1 lumens
Efficiency: N/A
Efficacy: 29.2 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	63	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2193	2193	2193	2193	2193
5°	6582	4402	2069	924	770
10°	38165	9307	1625	423	289
15°	124110	21135	1135	91	45
20°	194197	32693	723	0	0
25°	213666	31937	363	0	0
30°	208690	23042	152	0	0
35°	201412	13090	54	0	0
40°	171750	5553	0	0	0
45°	100817	2078	62	0	62
50°	24494	409	68	68	205
55°	2141	0	153	229	306
60°	88	0	175	263	439
65°	104	104	311	311	519
70°	128	128	385	385	513
75°	0	169	508	508	508
80°	0	253	758	505	505
85°	0	503	1510	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 100817 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.9
10°-20°	28.9	13.7
20°-30°	73.3	34.9
30°-40°	73.1	34.8
40°-50°	29.6	14.1
50°-60°	2.1	1.0
60°-70°	0.5	0.2
70°-80°	0.5	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°	104.0	49.5
0°-40°	177.1	84.3
0°-60°	208.8	99.4
0°-90°	210.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	210.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	30	20	9	4	4	7
15°	547	93	5	0	0	159
25°	883	132	2	0	0	399
35°	752	49	0	0	0	461
45°	325	7	0	0	0	248
55°	6	0	0	1	1	15
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°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
2.5°	16.5	16.7	16.7	16.3	16.1	16.1	15.5	15.4	14.8	14.2	12.3
5°	29.9	29.4	28.6	28.6	26.9	25.9	24.6	23.0	21.9	20.0	14.2
7.5°	67.9	63.3	62.0	60.3	53.7	48.5	42.6	37.4	32.6	28.6	15.7
10°	171.4	162.3	154.9	139.7	120.7	102.5	85.6	66.0	52.6	41.8	16.9
12.5°	345.2	333.1	318.7	291.1	255.6	210.1	169.8	126.8	89.0	61.6	17.3
15°	546.7	526.2	503.7	468.6	410.5	345.2	272.5	204.0	143.0	93.1	16.9
17.5°	711.0	702.9	669.7	621.7	550.5	466.5	376.9	283.2	192.9	121.9	15.7
20°	832.2	826.7	786.6	735.5	655.3	559.0	445.2	332.7	227.6	140.1	14.0
22.5°	890.8	889.8	860.8	808.6	723.6	614.4	489.1	361.3	238.3	142.6	11.7
25°	883.1	886.5	870.0	831.3	749.7	637.3	502.2	361.3	230.5	132.0	9.8
27.5°	848.2	850.5	840.1	810.4	734.4	620.8	484.0	338.1	207.6	113.4	8.1
30°	824.2	825.1	812.3	780.4	699.8	583.2	441.0	295.1	173.1	91.0	5.9
32.5°	795.0	794.8	779.8	743.4	654.5	530.4	386.5	243.9	133.0	69.1	3.5
35°	752.4	747.6	727.3	685.2	587.0	459.4	316.8	185.8	95.8	48.9	2.1
37.5°	693.9	681.4	652.6	596.4	492.2	360.2	234.9	130.5	65.4	32.4	1.3
40°	600.0	586.8	547.7	479.3	372.3	259.2	158.3	85.0	41.3	19.4	0.8
42.5°	470.5	461.5	408.7	340.6	245.8	165.4	95.2	50.3	23.2	11.1	0.2
45°	325.1	313.4	271.9	214.2	147.6	91.7	53.3	26.3	13.2	6.7	0.0
47.5°	179.4	165.0	141.0	110.9	74.3	48.2	26.9	14.2	7.5	3.3	0.0
50°	71.8	71.2	56.6	40.3	28.4	21.9	13.4	7.7	3.8	1.2	0.2
52.5°	25.1	25.1	21.7	17.7	13.8	10.0	6.7	3.6	1.3	0.4	0.2
55°	5.6	6.1	5.8	5.4	5.2	4.4	2.9	1.3	0.4	0.0	0.2
57.5°	0.6	0.6	0.6	0.8	1.0	1.0	0.8	0.4	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	0.4
62.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.4
65°	0.2	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°	0.0	0.0	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.6
77.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	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	0.0	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°	10.0	10.0	10.0	10.0	10.0
2.5°	10.0	7.9	6.5	5.8	5.6
5°	9.4	5.9	4.2	3.6	3.5
7.5°	8.4	4.4	2.9	2.3	2.1
10°	7.3	3.3	1.9	1.3	1.3
12.5°	6.1	2.5	1.2	0.6	0.4
15°	5.0	1.5	0.4	0.2	0.2
17.5°	3.8	1.0	0.0	0.0	0.0
20°	3.1	0.4	0.0	0.0	0.0
22.5°	2.3	0.2	0.0	0.0	0.0
25°	1.5	0.0	0.0	0.0	0.0
27.5°	1.0	0.0	0.0	0.0	0.0
30°	0.6	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	0.4	0.4
50°	0.2	0.2	0.2	0.4	0.6
52.5°	0.4	0.2	0.4	0.6	0.6
55°	0.4	0.4	0.6	0.8	0.8
57.5°	0.4	0.4	0.6	0.8	0.8
60°	0.4	0.4	0.6	0.8	1.0
62.5°	0.6	0.6	0.6	0.8	0.8
65°	0.6	0.6	0.6	0.8	1.0
67.5°	0.6	0.6	0.6	0.8	1.0
70°	0.6	0.6	0.6	0.8	0.8
72.5°	0.8	0.6	0.6	0.8	0.8
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.4	0.6	0.6
80°	0.6	0.4	0.4	0.4	0.4
82.5°	0.6	0.4	0.4	0.4	0.4
85°	0.6	0.4	0.2	0.2	0.2
87.5°	0.6	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)