

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: P1337500

Luminaire Tested: P3A05R259840DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R259840DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

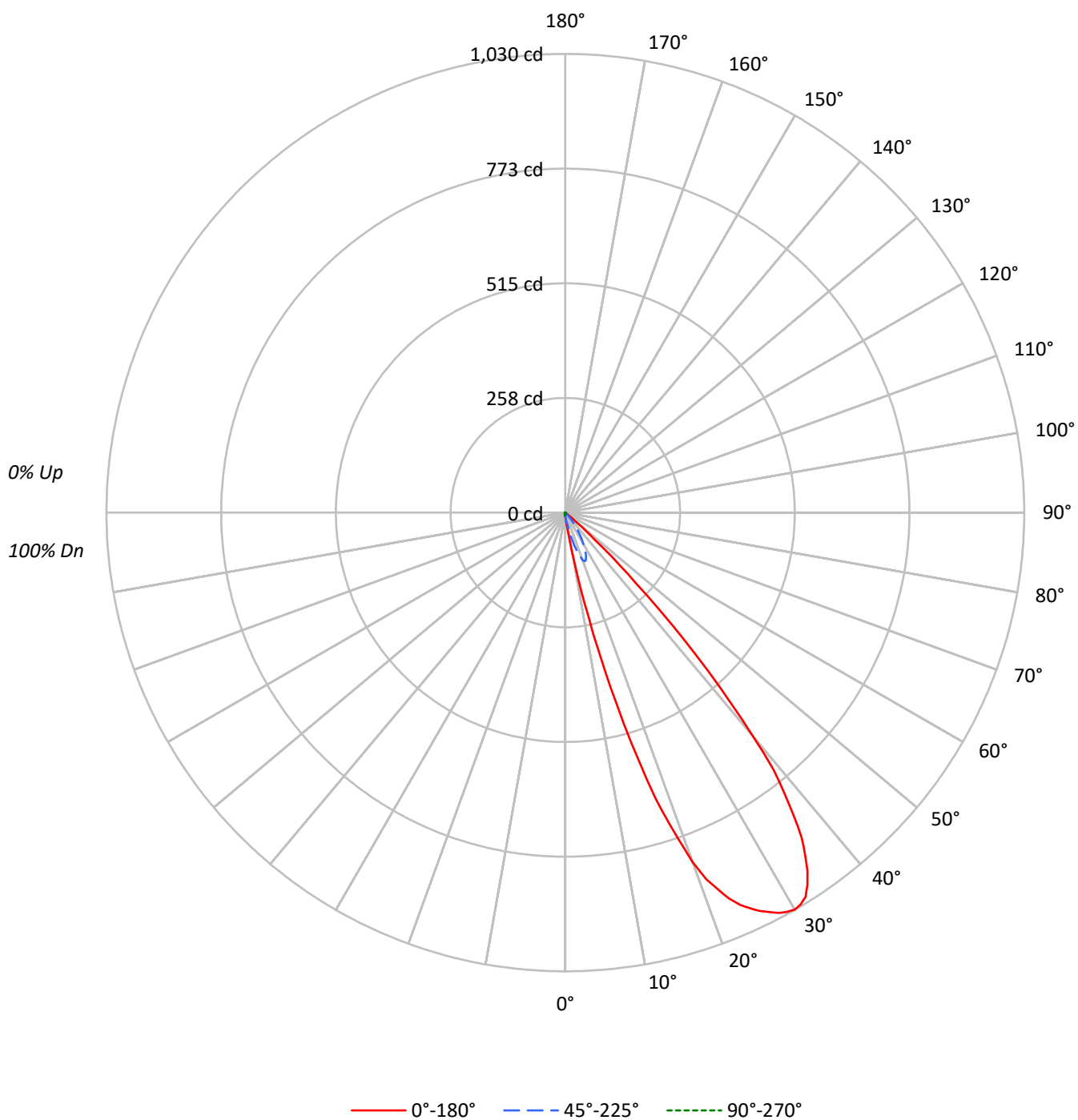
Lumens per Lamp: N/A
Luminaire Lumens: 206.1 lumens
Efficiency: N/A
Efficacy: 28.6 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	51	50		
8	71	60	52	48	69	59	52	47	58	52	47	57	51	47	56	50	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1930	1930	1930	1930	1930
5°	4865	3588	1827	924	726
10°	21264	6123	1492	423	289
15°	101136	16504	1044	182	136
20°	194687	26416	677	47	47
25°	237110	26639	363	0	0
30°	260698	20383	152	0	0
35°	251229	12956	54	0	0
40°	187723	5611	0	0	57
45°	69496	1489	62	62	186
50°	8187	205	136	136	273
55°	803	0	153	229	382
60°	88	0	263	351	439
65°	104	104	415	519	623
70°	128	128	513	513	769
75°	169	169	508	508	678
80°	0	253	758	505	758
85°	0	503	1510	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 69496 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.6
10°-20°	24.0	11.7
20°-30°	75.4	36.6
30°-40°	79.4	38.5
40°-50°	23.3	11.3
50°-60°	1.3	0.6
60°-70°	0.6	0.3
70°-80°	0.5	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°	100.7	48.9
0°-40°	180.0	87.4
0°-60°	204.6	99.3
0°-90°	206.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	206.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	22	16	8	4	3	4
15°	446	73	5	1	1	140
25°	980	110	2	0	0	450
35°	938	48	0	0	0	566
45°	224	5	0	0	1	204
55°	2	0	0	1	1	5
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°	45°	67.5°	90°	112.5°
0°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
2.5°	13.6	13.8	13.3	13.6	13.3	13.1	12.9	11.9	10.4	8.8	7.3
5°	22.1	22.1	21.1	20.9	20.6	19.8	19.0	16.3	11.7	8.3	5.8
7.5°	34.6	34.4	34.0	33.1	31.1	29.2	27.3	21.3	12.9	7.7	4.4
10°	95.5	94.2	92.4	82.1	70.3	60.0	50.9	27.5	13.8	6.7	3.3
12.5°	237.4	229.7	211.4	190.7	164.1	136.3	109.0	44.8	14.2	5.6	2.3
15°	445.5	429.6	401.1	359.6	305.4	244.5	192.6	72.7	13.8	4.6	1.7
17.5°	672.7	657.3	617.9	554.9	475.1	381.5	289.6	96.3	12.9	3.8	1.2
20°	834.3	818.0	781.1	714.2	627.9	503.2	381.3	113.2	12.1	2.9	0.6
21°	881.6	865.3	826.3	761.7	671.0	545.8	410.7	116.1	11.5	2.5	0.4
22°	911.6	902.0	860.1	797.4	705.0	580.1	435.9	117.4	11.1	2.3	0.4
23°	941.8	927.4	888.2	822.0	730.9	605.4	454.6	116.5	10.8	1.9	0.2
24°	964.1	952.0	906.4	841.1	749.0	621.0	465.5	114.0	10.2	1.7	0.2
25°	980.0	968.9	921.4	853.9	761.1	629.5	469.0	110.1	9.6	1.5	0.2
26°	995.2	983.1	933.9	861.4	767.5	632.1	465.7	105.9	9.0	1.3	0.0
27°	1006.2	993.9	942.6	865.9	767.8	628.9	456.9	100.1	8.5	1.2	0.0
28°	1017.9	1003.7	948.5	868.4	765.5	621.2	444.2	94.0	8.1	1.0	0.0
29°	1025.0	1011.6	954.7	871.1	760.7	608.3	425.7	86.7	7.1	0.6	0.0
30°	1029.6	1013.7	954.1	868.2	754.4	594.5	403.6	80.5	6.2	0.6	0.0
31°	1025.8	1009.1	947.9	860.1	744.2	576.4	380.9	72.8	5.0	0.4	0.0
32°	1017.5	997.7	937.2	846.1	725.9	553.2	357.5	66.5	3.7	0.4	0.0
33°	997.3	980.6	917.8	827.2	702.1	521.6	326.9	60.4	2.5	0.2	0.0
34°	972.0	955.2	891.2	802.1	670.2	480.9	289.8	54.0	2.1	0.2	0.0
35°	938.5	922.0	861.3	766.9	627.9	431.9	251.6	48.4	1.7	0.2	0.0
36°	903.3	881.4	823.4	729.4	571.2	376.1	210.7	42.1	1.3	0.2	0.0
37°	851.6	836.8	772.5	672.3	509.9	322.7	180.9	36.3	1.0	0.2	0.0
38°	798.0	784.4	721.5	614.8	441.5	269.8	151.5	30.8	0.8	0.0	0.0
39°	742.7	720.0	657.9	541.2	369.8	226.0	127.4	25.8	0.4	0.0	0.0
40°	655.8	638.5	572.2	452.8	306.0	183.2	108.6	19.6	0.4	0.0	0.0
42.5°	434.8	418.6	349.0	245.6	162.6	107.1	71.7	7.7	0.0	0.2	0.0
45°	224.1	213.9	173.7	128.6	92.3	65.7	46.1	4.8	0.0	0.2	0.2
47.5°	89.0	87.3	78.8	68.0	52.5	39.0	25.2	2.1	0.0	0.2	0.2
50°	24.0	24.2	22.7	20.9	19.0	17.9	10.6	0.6	0.0	0.4	0.2
52.5°	10.2	10.4	10.0	9.4	8.5	6.3	4.2	0.2	0.2	0.4	0.4
55°	2.1	2.3	2.5	2.7	3.1	2.7	1.7	0.0	0.2	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.4	0.0	0.2	0.4	0.6
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4	0.6	0.6
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.8
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.8	0.8
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.8
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.8
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.6
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.6	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	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):

	135°	157.5°	180°
0°	8.8	8.8	8.8
2.5°	6.2	5.6	5.4
5°	4.2	3.7	3.3
7.5°	2.9	2.3	2.1
10°	1.9	1.5	1.3
12.5°	1.3	0.8	0.8
15°	0.8	0.6	0.6
17.5°	0.4	0.2	0.2
20°	0.2	0.2	0.2
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.2
39°	0.0	0.2	0.2
40°	0.0	0.2	0.2
42.5°	0.0	0.2	0.4
45°	0.2	0.4	0.6
47.5°	0.4	0.6	0.8
50°	0.4	0.8	0.8
52.5°	0.6	0.8	1.0
55°	0.6	1.0	1.0
57.5°	0.8	1.0	1.2
60°	0.8	1.0	1.0
62.5°	0.8	1.2	1.2
65°	1.0	1.2	1.2
67.5°	1.0	1.2	1.2
70°	0.8	1.0	1.2
72.5°	0.8	1.0	1.0
75°	0.6	0.8	0.8
77.5°	0.6	0.6	0.8
80°	0.4	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.4	0.4	0.4
85°	0.2	0.2	0.2
87.5°	0.2	0.2	0.2
90°	0.0	0.0	0.0

(END OF REPORT)