

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: P1337864

Luminaire Tested: P3A05R309040DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337864
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: P3A05R309040DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

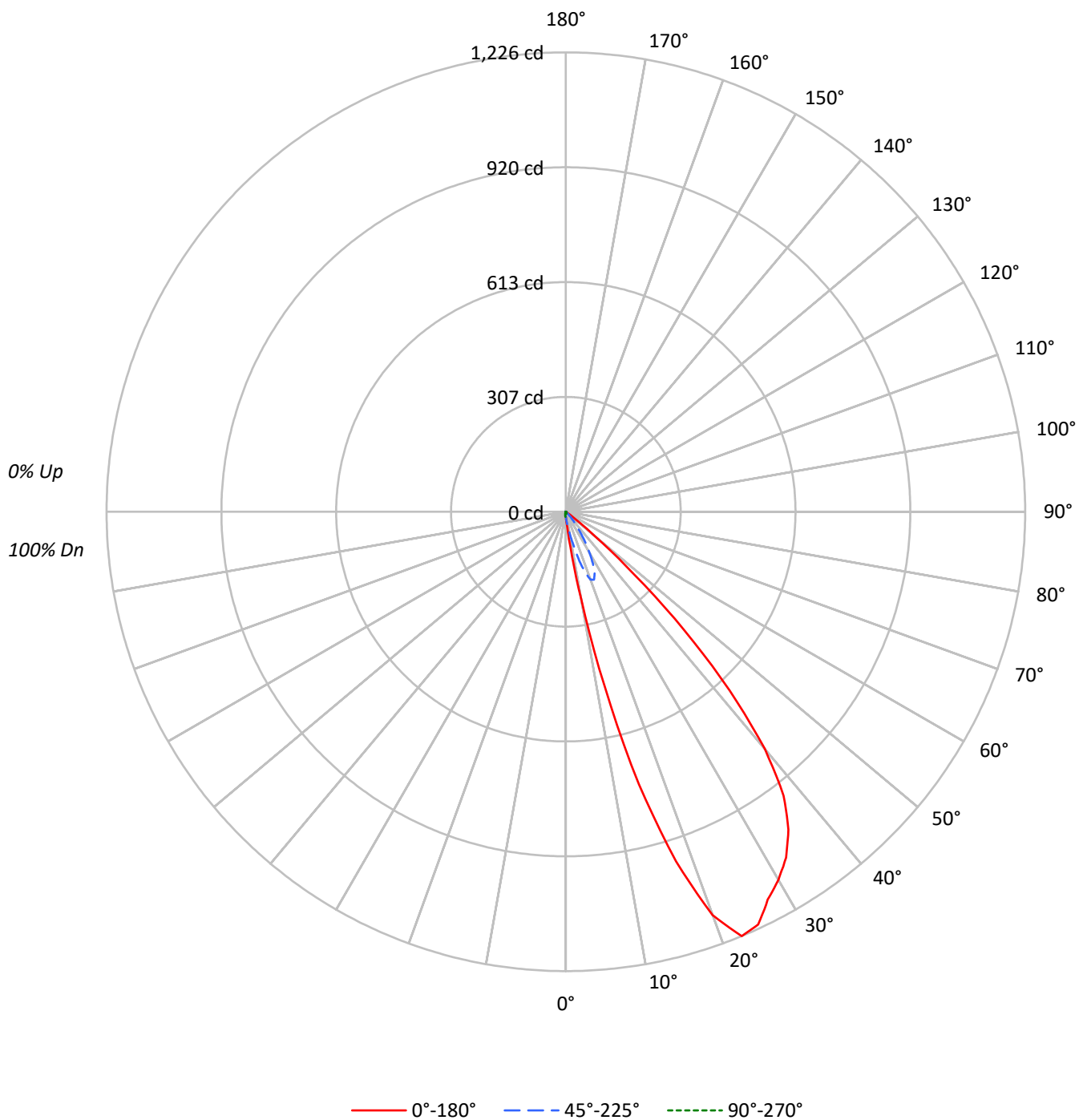
Lumens per Lamp: N/A
Luminaire Lumens: 289.0 lumens
Efficiency: N/A
Efficacy: 40.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	66	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°	3004	3004	3004	3004	3004
5°	9069	6053	2840	1277	1057
10°	52504	12825	2227	579	401
15°	170807	29081	1566	114	68
20°	267260	44991	980	0	0
25°	294041	43962	508	0	0
30°	287183	31701	203	0	0
35°	277195	18016	80	0	0
40°	236386	7643	0	0	0
45°	138743	2853	93	0	93
50°	33705	546	102	102	273
55°	2944	0	191	306	421
60°	132	0	219	351	570
65°	156	156	415	415	675
70°	192	192	513	513	705
75°	0	254	678	678	678
80°	0	379	1010	631	631
85°	0	755	2013	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 138743 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.9
10°-20°	39.7	13.7
20°-30°	100.9	34.9
30°-40°	100.6	34.8
40°-50°	40.8	14.1
50°-60°	2.8	1.0
60°-70°	0.7	0.2
70°-80°	0.6	0.2
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°	143.2	49.5
0°-40°	243.8	84.3
0°-60°	287.4	99.4
0°-90°	289.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	289.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	41	28	13	6	5	10
15°	752	128	7	0	0	219
25°	1215	182	2	0	0	549
35°	1036	67	0	0	0	635
45°	447	9	0	0	0	341
55°	8	0	0	1	1	20
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°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
2.5°	22.7	23.0	23.0	22.4	22.2	22.2	21.4	21.1	20.3	19.5	16.9
5°	41.2	40.4	39.3	39.3	37.0	35.7	33.8	31.7	30.1	27.5	19.5
7.5°	93.5	87.1	85.3	82.9	73.9	66.8	58.6	51.5	44.9	39.3	21.7
10°	235.8	223.4	213.1	192.3	166.1	141.0	117.8	90.8	72.4	57.6	23.2
12.5°	475.1	458.4	438.6	400.6	351.8	289.2	233.7	174.6	122.5	84.8	23.8
15°	752.4	724.1	693.2	644.9	564.9	475.1	375.0	280.7	196.7	128.1	23.2
17.5°	978.4	967.3	921.6	855.6	757.6	642.0	518.7	389.8	265.4	167.7	21.7
20°	1145.3	1137.7	1082.5	1012.2	901.8	769.3	612.7	457.9	313.2	192.8	19.3
22.5°	1225.9	1224.5	1184.7	1112.8	995.8	845.6	673.1	497.3	328.0	196.2	16.1
25°	1215.3	1220.0	1197.3	1144.0	1031.8	877.0	691.1	497.3	317.2	181.7	13.5
27.5°	1167.2	1170.4	1156.1	1115.2	1010.6	854.3	666.0	465.3	285.7	156.1	11.1
30°	1134.2	1135.5	1117.8	1074.0	963.1	802.5	606.9	406.2	238.2	125.2	8.2
32.5°	1094.1	1093.8	1073.2	1023.0	900.8	729.9	531.9	335.6	183.0	95.1	4.8
35°	1035.5	1028.9	1000.9	943.0	807.8	632.2	436.0	255.6	131.8	67.3	2.9
37.5°	954.9	937.7	898.1	820.8	677.4	495.7	323.2	179.6	90.1	44.6	1.8
40°	825.8	807.6	753.7	659.7	512.3	356.8	217.9	117.0	56.8	26.7	1.1
42.5°	647.5	635.1	562.5	468.7	338.3	227.6	131.0	69.2	32.0	15.3	0.3
45°	447.4	431.2	374.2	294.7	203.1	126.2	73.4	36.2	18.2	9.2	0.0
47.5°	246.9	227.1	194.1	152.6	102.2	66.3	37.0	19.5	10.3	4.5	0.0
50°	98.8	98.0	77.9	55.5	39.1	30.1	18.5	10.6	5.3	1.6	0.3
52.5°	34.6	34.6	29.8	24.3	19.0	13.7	9.2	5.0	1.8	0.5	0.3
55°	7.7	8.5	7.9	7.4	7.1	6.1	4.0	1.8	0.5	0.0	0.3
57.5°	0.8	0.8	0.8	1.1	1.3	1.3	1.1	0.5	0.0	0.0	0.3
60°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.5
62.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.5
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
75°	0.0	0.0	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.8
77.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	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°	13.7	13.7	13.7	13.7	13.7
2.5°	13.7	10.8	9.0	7.9	7.7
5°	12.9	8.2	5.8	5.0	4.8
7.5°	11.6	6.1	4.0	3.2	2.9
10°	10.0	4.5	2.6	1.8	1.8
12.5°	8.5	3.4	1.6	0.8	0.5
15°	6.9	2.1	0.5	0.3	0.3
17.5°	5.3	1.3	0.0	0.0	0.0
20°	4.2	0.5	0.0	0.0	0.0
22.5°	3.2	0.3	0.0	0.0	0.0
25°	2.1	0.0	0.0	0.0	0.0
27.5°	1.3	0.0	0.0	0.0	0.0
30°	0.8	0.0	0.0	0.0	0.0
32.5°	0.3	0.0	0.0	0.0	0.0
35°	0.3	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°	0.3	0.0	0.0	0.3	0.3
47.5°	0.3	0.3	0.3	0.5	0.5
50°	0.3	0.3	0.3	0.5	0.8
52.5°	0.5	0.3	0.5	0.8	0.8
55°	0.5	0.5	0.8	1.1	1.1
57.5°	0.5	0.5	0.8	1.1	1.1
60°	0.5	0.5	0.8	1.1	1.3
62.5°	0.8	0.8	0.8	1.1	1.1
65°	0.8	0.8	0.8	1.1	1.3
67.5°	0.8	0.8	0.8	1.1	1.3
70°	0.8	0.8	0.8	1.1	1.1
72.5°	1.1	0.8	0.8	1.1	1.1
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.5	0.8	0.8
80°	0.8	0.5	0.5	0.5	0.5
82.5°	0.8	0.5	0.5	0.5	0.5
85°	0.8	0.5	0.3	0.3	0.3
87.5°	0.8	0.5	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)