

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: P1341538

Luminaire Tested: P3A09R309835DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1341538
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: P3A09R309835DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

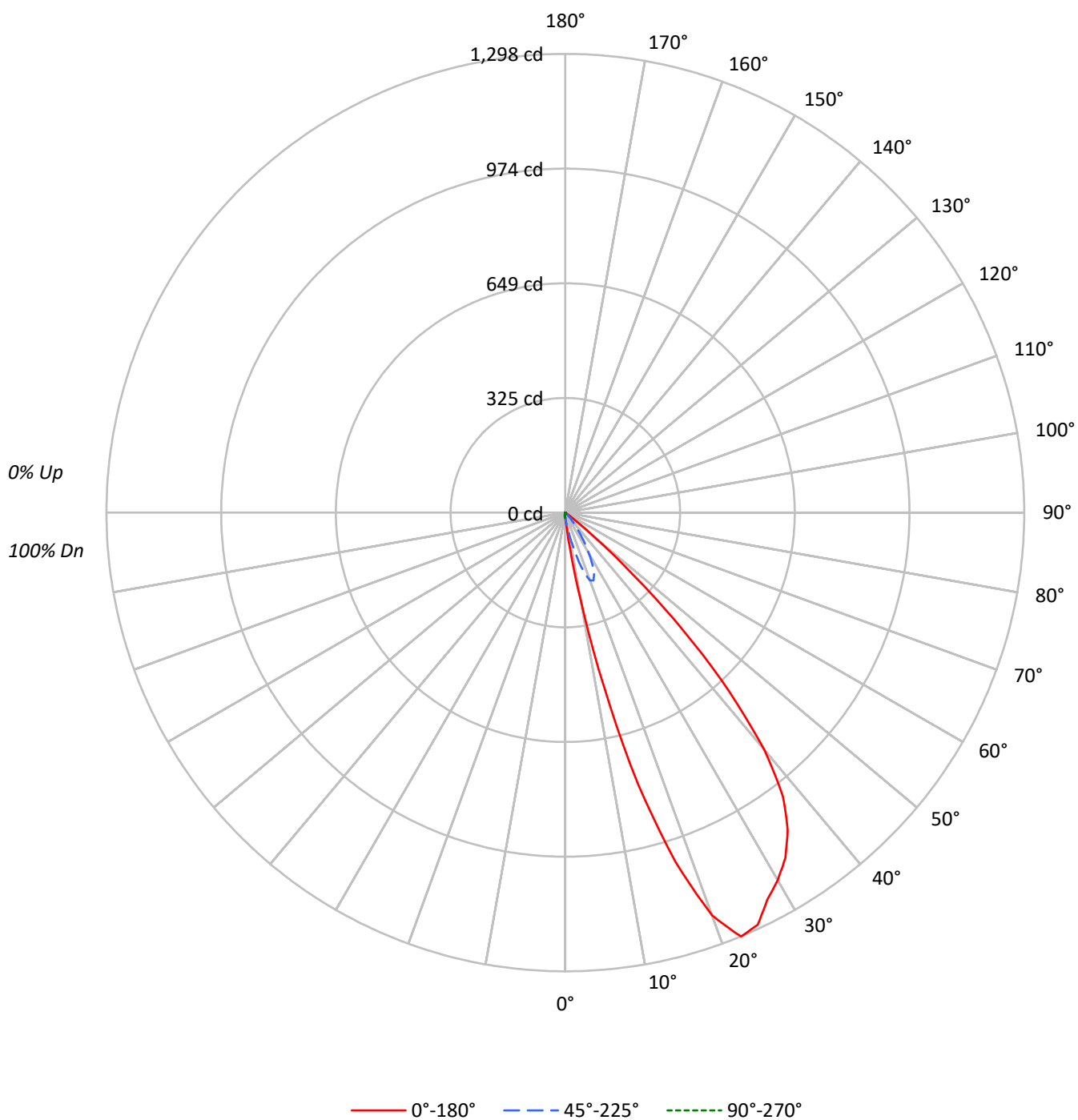
Lumens per Lamp: N/A
Luminaire Lumens: 306.0 lumens
Efficiency: N/A
Efficacy: 27.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	64	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	67	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°	3180	3180	3180	3180	3180
5°	9597	6405	3016	1365	1101
10°	55599	13582	2360	623	445
15°	180841	30783	1657	136	68
20°	282988	47627	1050	0	0
25°	311341	46551	532	0	0
30°	304072	33549	203	0	0
35°	293498	19086	80	0	0
40°	250298	8072	0	0	0
45°	146899	3039	93	0	93
50°	35683	580	102	102	273
55°	3097	0	229	306	421
60°	132	0	263	351	614
65°	156	156	415	415	726
70°	192	192	513	513	705
75°	0	254	678	678	678
80°	0	379	1010	758	758
85°	0	755	2013	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 146899 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.9
10°-20°	42.1	13.7
20°-30°	106.9	34.9
30°-40°	106.5	34.8
40°-50°	43.2	14.1
50°-60°	3.0	1.0
60°-70°	0.7	0.2
70°-80°	0.7	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°	151.6	49.5
0°-40°	258.1	84.4
0°-60°	304.3	99.4
0°-90°	306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	306.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	44	29	14	6	5	10
15°	797	136	7	1	0	232
25°	1287	192	2	0	0	581
35°	1096	71	0	0	0	672
45°	474	10	0	0	0	361
55°	8	0	1	1	1	21
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°	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
2.5°	24.0	24.3	24.3	23.8	23.5	23.5	22.6	22.4	21.5	20.7	17.9
5°	43.6	42.8	41.7	41.7	39.1	37.7	35.8	33.6	31.9	29.1	20.7
7.5°	99.0	92.3	90.3	87.8	78.3	70.7	62.1	54.5	47.5	41.7	22.9
10°	249.7	236.6	225.6	203.6	175.9	149.3	124.7	96.2	76.6	61.0	24.6
12.5°	503.0	485.4	464.4	424.2	372.4	306.2	247.5	184.8	129.7	89.8	25.2
15°	796.6	766.7	734.0	682.8	598.1	503.0	397.1	297.2	208.3	135.6	24.6
17.5°	1036.0	1024.2	975.9	905.9	802.2	679.7	549.2	412.7	281.0	177.6	22.9
20°	1212.7	1204.6	1146.1	1071.8	954.9	814.5	648.7	484.9	331.6	204.1	20.4
22.5°	1298.0	1296.6	1254.3	1178.3	1054.4	895.3	712.7	526.5	347.3	207.8	17.1
25°	1286.8	1291.8	1267.8	1211.3	1092.5	928.6	731.7	526.5	335.8	192.4	14.3
27.5°	1235.9	1239.2	1224.1	1180.8	1070.1	904.6	705.2	492.7	302.5	165.3	11.7
30°	1200.9	1202.3	1183.6	1137.2	1019.8	849.7	642.6	430.0	252.2	132.5	8.7
32.5°	1158.4	1158.2	1136.4	1083.2	953.8	772.9	563.1	355.4	193.8	100.7	5.0
35°	1096.4	1089.4	1059.7	998.5	855.3	669.4	461.6	270.7	139.5	71.3	3.1
37.5°	1011.1	992.9	951.0	869.0	717.2	524.8	342.2	190.1	95.3	47.3	2.0
40°	874.4	855.1	798.0	698.5	542.5	377.8	230.7	123.9	60.1	28.2	1.1
42.5°	685.6	672.5	595.6	496.3	358.2	241.0	138.7	73.3	33.8	16.2	0.3
45°	473.7	456.6	396.2	312.0	215.0	133.7	77.7	38.3	19.3	9.8	0.0
47.5°	261.4	240.5	205.5	161.6	108.2	70.2	39.1	20.7	10.9	4.8	0.0
50°	104.6	103.7	82.5	58.7	41.4	31.9	19.6	11.2	5.6	1.7	0.3
52.5°	36.6	36.6	31.6	25.7	20.1	14.5	9.8	5.3	2.0	0.6	0.3
55°	8.1	8.9	8.4	7.8	7.5	6.4	4.2	2.0	0.6	0.0	0.3
57.5°	0.8	0.8	0.8	1.1	1.4	1.4	1.1	0.6	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	0.6
62.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.6
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6
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	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.6
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°	14.5	14.5	14.5	14.5	14.5
2.5°	14.5	11.5	9.5	8.4	8.1
5°	13.7	8.7	6.2	5.3	5.0
7.5°	12.3	6.4	4.2	3.4	3.1
10°	10.6	4.8	2.8	2.0	2.0
12.5°	8.9	3.6	1.7	0.8	0.6
15°	7.3	2.2	0.6	0.3	0.3
17.5°	5.6	1.4	0.0	0.0	0.0
20°	4.5	0.6	0.0	0.0	0.0
22.5°	3.4	0.3	0.0	0.0	0.0
25°	2.2	0.0	0.0	0.0	0.0
27.5°	1.4	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	0.6	0.6
50°	0.3	0.3	0.3	0.6	0.8
52.5°	0.6	0.3	0.6	0.8	0.8
55°	0.6	0.6	0.8	1.1	1.1
57.5°	0.6	0.6	0.8	1.1	1.1
60°	0.6	0.6	0.8	1.1	1.4
62.5°	0.8	0.8	0.8	1.1	1.1
65°	0.8	0.8	0.8	1.1	1.4
67.5°	0.8	0.8	0.8	1.1	1.4
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	0.6	0.8	0.8
80°	0.8	0.6	0.6	0.6	0.6
82.5°	0.8	0.6	0.6	0.6	0.6
85°	0.8	0.6	0.3	0.3	0.3
87.5°	0.8	0.6	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)