

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: P1345580

Luminaire Tested: P3A13R359830DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345580
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: P3A13R359830DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

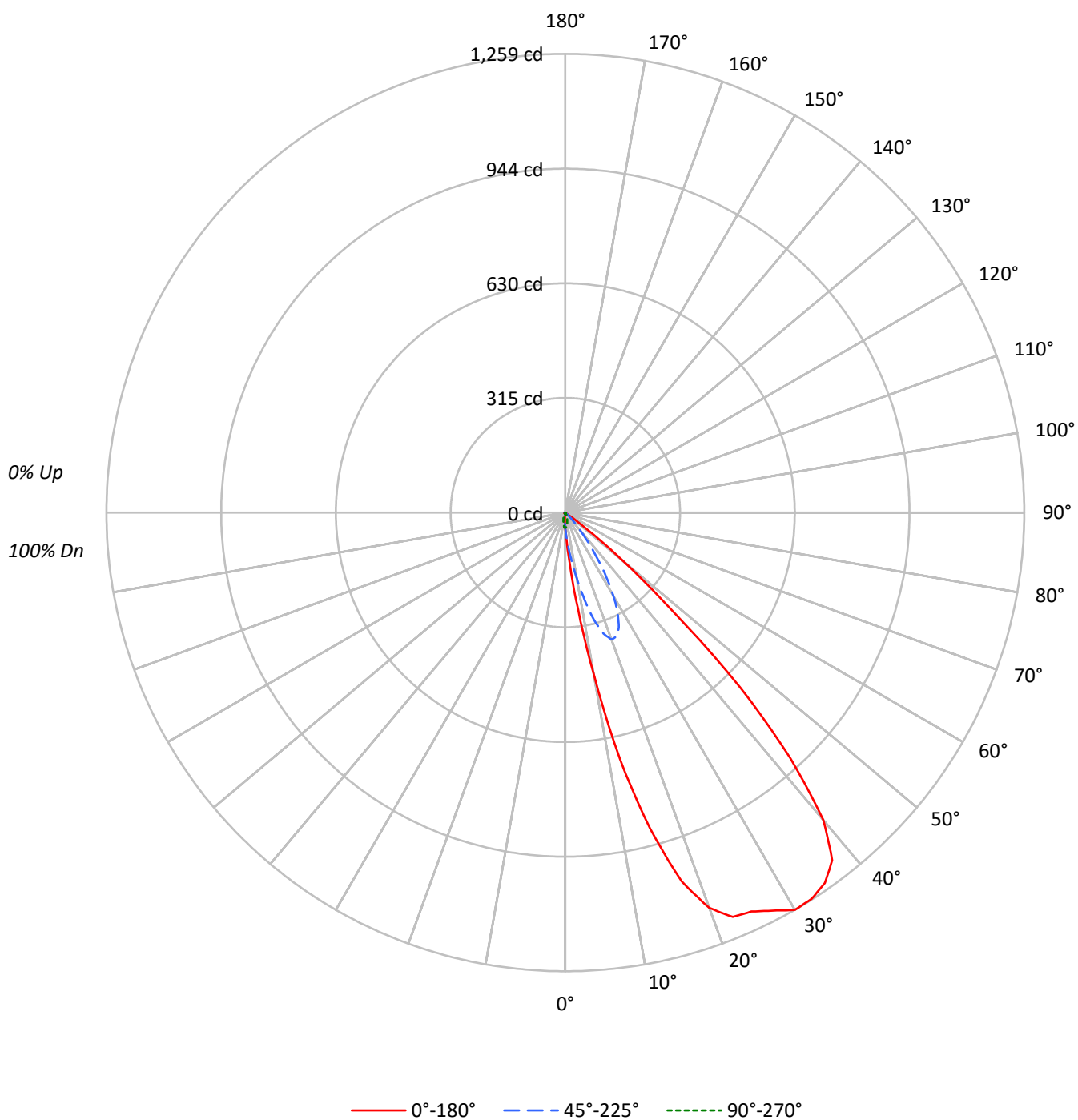
Lumens per Lamp: N/A
Luminaire Lumens: 396.1 lumens
Efficiency: N/A
Efficacy: 27.3 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	104	110	107	104	102	103	101	99		99	98	96		96
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	91	85	81	97	90	84	80	87	83	79		85	81	77		82
4	92	83	77	72	91	82	76	71	80	75	71		78	73	70		76
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	81	70	63	58	79	69	62	58	68	62	57		66	61	57		65
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60
8	71	59	52	47	69	59	52	47	57	51	47		56	51	47		55
9	66	55	48	43	65	54	47	43	53	47	43		52	46	42		51
10	62	50	44	39	61	50	43	39	49	43	39		48	43	39		47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9122	9122	9122	9122	9122
5°	31059	20185	8519	3610	2663
10°	99976	40926	6724	1336	868
15°	203679	69399	4767	477	318
20°	269337	86434	3080	163	163
25°	292251	84029	1718	97	169
30°	318809	66972	709	101	177
35°	332206	41680	187	107	187
40°	315248	18206	115	200	315
45°	210440	7288	124	341	558
50°	70582	1228	239	478	716
55°	3938	153	268	688	956
60°	307	175	482	789	1096
65°	363	208	571	934	1297
70°	256	256	705	1154	1346
75°	339	339	932	1186	1525
80°	0	505	1389	1389	1389
85°	0	1006	2768	1006	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 210440 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	1.8
10°-20°	56.9	14.4
20°-30°	120.0	30.3
30°-40°	136.2	34.4
40°-50°	67.0	16.9
50°-60°	5.8	1.5
60°-70°	1.2	0.3
70°-80°	1.1	0.3
80°-90°	0.6	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°	184.1	46.5
0°-40°	320.3	80.9
0°-60°	393.2	99.3
0°-90°	396.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	396.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	42	42	42	42	42	
5°	141	92	39	16	12	23
15°	897	306	21	2	1	255
25°	1208	347	7	0	1	562
35°	1241	156	1	0	1	765
45°	679	24	0	1	2	501
55°	10	0	1	2	2	40
65°	1	0	1	2	2	1
75°	0	0	1	1	2	0
85°	0	0	1	0	1	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°	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
2.5°	72.2	73.9	73.2	72.9	72.5	71.1	67.9	67.5	64.3	62.2	51.5
5°	141.1	138.3	139.0	135.1	130.1	123.0	118.4	108.4	100.2	91.7	60.1
7.5°	265.9	262.0	254.5	243.1	231.4	216.1	193.0	174.5	153.2	132.9	66.8
10°	449.0	446.8	437.2	408.1	382.5	341.6	303.2	262.7	222.9	183.8	71.5
12.5°	693.5	679.0	661.5	622.8	572.3	521.1	445.4	375.4	311.8	246.3	71.8
15°	897.2	888.0	863.4	813.0	752.2	678.2	588.3	494.1	398.1	305.7	68.3
17.5°	1061.1	1046.9	1015.2	965.8	895.8	799.8	694.6	579.8	462.8	348.0	62.2
20°	1154.2	1146.8	1122.6	1073.2	996.8	891.9	772.1	638.4	503.4	370.4	54.4
22.5°	1201.1	1195.8	1178.0	1138.6	1067.1	961.6	824.3	669.0	515.1	367.9	46.2
25°	1207.9	1206.5	1191.2	1161.3	1101.6	997.1	847.1	674.7	505.5	347.3	38.4
27.5°	1231.4	1226.4	1208.3	1178.4	1118.3	1003.1	839.3	655.1	474.6	311.0	32.0
30°	1259.1	1255.5	1237.4	1206.5	1135.4	997.5	811.5	611.8	425.1	264.5	23.8
32.5°	1257.0	1255.5	1240.3	1207.5	1123.3	964.0	762.1	546.7	358.0	208.7	14.9
35°	1241.0	1236.0	1216.8	1166.3	1054.3	878.0	668.3	458.6	283.3	155.7	9.6
37.5°	1202.6	1191.9	1159.6	1073.9	931.0	745.4	544.2	354.1	200.5	104.2	6.0
40°	1101.3	1087.8	1022.7	919.3	769.6	587.2	404.9	243.5	132.2	63.6	2.5
42.5°	913.6	886.2	821.1	714.9	574.4	415.2	265.9	157.8	77.8	38.4	0.7
45°	678.6	657.6	589.4	493.0	376.4	266.3	161.0	85.3	43.0	23.5	0.4
47.5°	395.3	382.5	347.3	284.0	208.0	139.7	82.5	45.9	25.2	11.4	0.4
50°	206.9	190.9	164.2	124.4	91.7	64.3	40.2	24.5	12.4	3.6	0.4
52.5°	72.5	71.5	65.1	49.1	39.8	28.8	19.6	10.7	3.6	0.7	0.4
55°	10.3	10.3	9.6	10.7	11.4	10.3	6.8	2.8	0.7	0.4	0.4
57.5°	0.7	0.7	0.7	1.1	1.4	1.4	1.1	0.4	0.4	0.4	0.7
60°	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
62.5°	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
65°	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
77.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.7
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°	41.6	41.6	41.6	41.6	41.6
2.5°	41.2	33.1	26.3	23.1	22.0
5°	38.7	24.9	16.4	12.8	12.1
7.5°	34.5	17.8	10.0	7.1	6.8
10°	30.2	12.8	6.0	4.3	3.9
12.5°	25.2	8.9	3.9	2.5	2.1
15°	21.0	6.0	2.1	1.8	1.4
17.5°	16.7	3.9	1.4	1.1	1.4
20°	13.2	2.5	0.7	0.7	0.7
22.5°	10.0	1.4	0.7	0.7	0.7
25°	7.1	0.7	0.4	0.4	0.7
27.5°	5.0	0.4	0.4	0.4	0.7
30°	2.8	0.4	0.4	0.4	0.7
32.5°	1.4	0.4	0.4	0.7	0.7
35°	0.7	0.4	0.4	0.7	0.7
37.5°	0.4	0.4	0.4	0.7	1.1
40°	0.4	0.4	0.7	1.1	1.1
42.5°	0.4	0.4	0.7	1.1	1.4
45°	0.4	0.7	1.1	1.4	1.8
47.5°	0.7	0.7	1.4	1.8	2.1
50°	0.7	1.1	1.4	2.1	2.1
52.5°	0.7	1.1	1.8	2.1	2.5
55°	0.7	1.4	1.8	2.5	2.5
57.5°	1.1	1.4	1.8	2.5	2.5
60°	1.1	1.4	1.8	2.5	2.5
62.5°	1.1	1.4	1.8	2.5	2.5
65°	1.1	1.4	1.8	2.5	2.5
67.5°	1.1	1.4	1.8	2.1	2.5
70°	1.1	1.4	1.8	2.1	2.1
72.5°	1.4	1.4	1.8	2.1	2.1
75°	1.1	1.4	1.4	1.8	1.8
77.5°	1.1	1.1	1.1	1.4	1.4
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	0.7	0.7	1.1	1.1
85°	1.1	0.7	0.4	0.7	0.7
87.5°	0.7	0.7	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)