

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: P1345079

Luminaire Tested: P3A13R309835DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345079
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: P3A13R309835DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

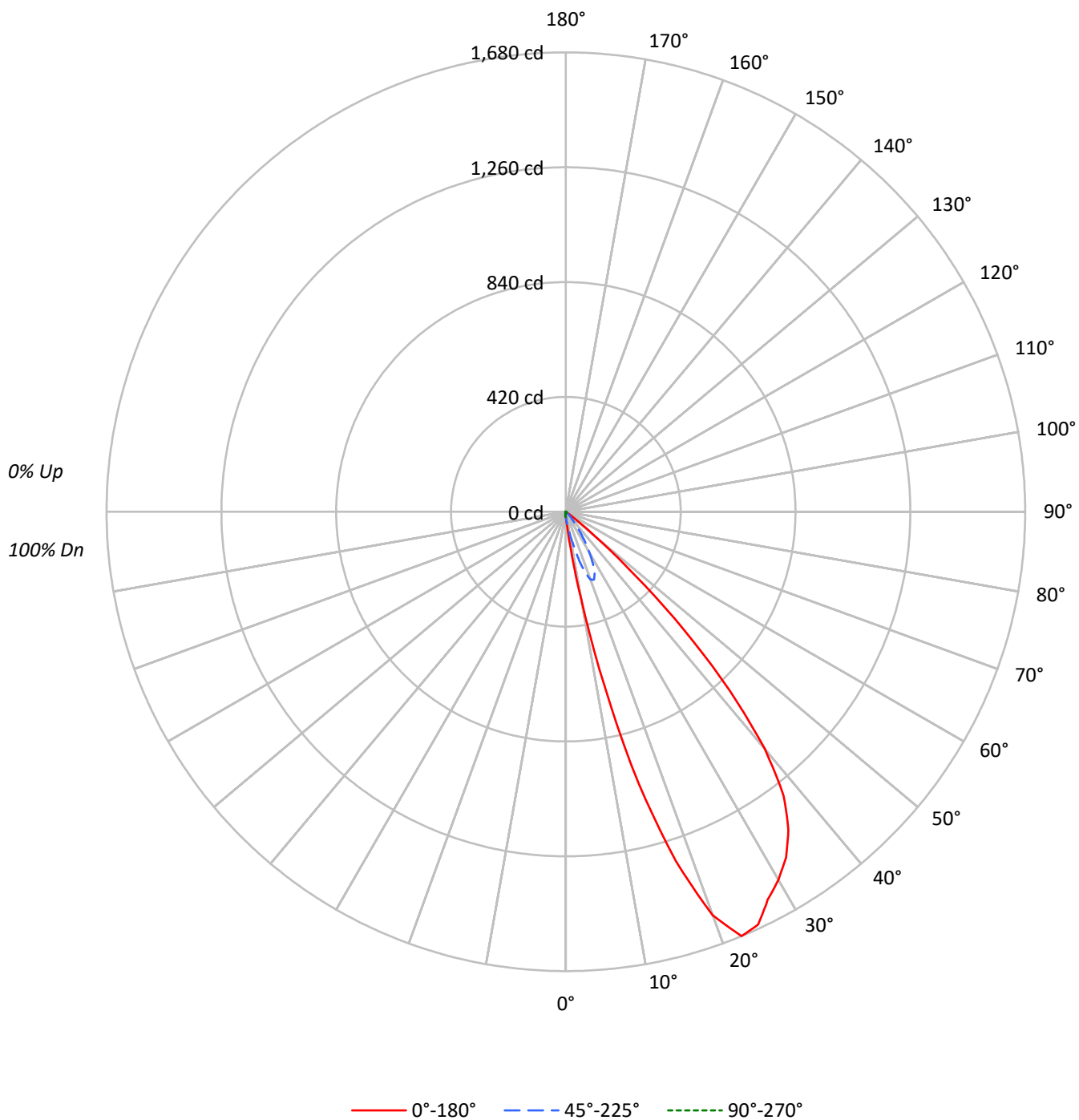
Lumens per Lamp: N/A
Luminaire Lumens: 396.0 lumens
Efficiency: N/A
Efficacy: 27.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4122	4122	4122	4122	4122
5°	12415	8276	3896	1761	1431
10°	71943	17568	3073	802	557
15°	234031	39841	2134	159	91
20°	366225	61652	1353	0	0
25°	402894	60245	702	0	0
30°	393529	43424	279	0	0
35°	379802	24708	107	0	0
40°	323893	10448	0	0	0
45°	190097	3938	124	0	124
50°	46156	751	136	136	375
55°	4014	0	268	421	535
60°	175	0	307	482	789
65°	208	208	571	571	934
70°	256	256	705	705	898
75°	0	339	932	932	932
80°	0	505	1389	884	884
85°	0	1006	2768	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 190097 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.9
10°-20°	54.4	13.7
20°-30°	138.3	34.9
30°-40°	137.9	34.8
40°-50°	55.9	14.1
50°-60°	3.9	1.0
60°-70°	0.9	0.2
70°-80°	0.9	0.2
80°-90°	0.5	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°	196.2	49.5
0°-40°	334.1	84.4
0°-60°	393.8	99.4
0°-90°	396.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	396.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	19	19	19	19	19	
5°	56	38	18	8	6	13
15°	1031	176	9	1	0	300
25°	1665	249	3	0	0	752
35°	1419	92	0	0	0	870
45°	613	13	0	0	0	468
55°	10	0	1	1	1	27
65°	0	0	1	1	2	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°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
2.5°	31.1	31.5	31.5	30.8	30.4	30.4	29.3	28.9	27.9	26.8	23.2
5°	56.4	55.4	53.9	53.9	50.7	48.9	46.3	43.4	41.3	37.6	26.8
7.5°	128.1	119.4	116.9	113.6	101.3	91.5	80.3	70.6	61.5	53.9	29.7
10°	323.1	306.1	292.0	263.4	227.6	193.2	161.4	124.5	99.1	78.9	31.8
12.5°	651.0	628.2	601.0	548.9	482.0	396.2	320.2	239.2	167.9	116.2	32.6
15°	1030.9	992.2	949.9	883.6	774.0	651.0	513.8	384.7	269.6	175.5	31.8
17.5°	1340.7	1325.5	1262.9	1172.4	1038.2	879.7	710.7	534.1	363.7	229.8	29.7
20°	1569.4	1558.9	1483.2	1387.0	1235.7	1054.1	839.5	627.5	429.2	264.2	26.4
22.5°	1679.7	1677.9	1623.3	1524.8	1364.5	1158.7	922.4	681.4	449.4	268.9	22.1
25°	1665.2	1671.8	1640.6	1567.5	1413.8	1201.7	947.0	681.4	434.6	249.0	18.5
27.5°	1599.4	1603.7	1584.2	1528.1	1384.8	1170.6	912.6	637.6	391.5	213.9	15.2
30°	1554.2	1556.0	1531.7	1471.7	1319.7	1099.7	831.5	556.5	326.4	171.5	11.2
32.5°	1499.2	1498.8	1470.6	1401.8	1234.3	1000.2	728.8	459.9	250.8	130.3	6.5
35°	1418.8	1409.8	1371.4	1292.2	1106.9	866.3	597.4	350.3	180.6	92.3	4.0
37.5°	1308.5	1284.9	1230.7	1124.6	928.2	679.2	442.9	246.1	123.4	61.2	2.5
40°	1131.5	1106.5	1032.7	903.9	702.0	488.9	298.5	160.3	77.8	36.5	1.4
42.5°	887.3	870.3	770.7	642.3	463.5	311.9	179.5	94.8	43.8	21.0	0.4
45°	613.0	590.9	512.7	403.8	278.3	173.0	100.6	49.6	25.0	12.7	0.0
47.5°	338.3	311.2	266.0	209.2	140.0	90.8	50.7	26.8	14.1	6.2	0.0
50°	135.3	134.2	106.7	76.0	53.6	41.3	25.3	14.5	7.2	2.2	0.4
52.5°	47.4	47.4	40.9	33.3	26.1	18.8	12.7	6.9	2.5	0.7	0.4
55°	10.5	11.6	10.9	10.1	9.8	8.3	5.4	2.5	0.7	0.0	0.4
57.5°	1.1	1.1	1.1	1.4	1.8	1.8	1.4	0.7	0.0	0.0	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.7
62.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.7
65°	0.4	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°	0.0	0.0	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	1.1
77.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	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	0.0	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°	18.8	18.8	18.8	18.8	18.8
2.5°	18.8	14.8	12.3	10.9	10.5
5°	17.7	11.2	8.0	6.9	6.5
7.5°	15.9	8.3	5.4	4.3	4.0
10°	13.8	6.2	3.6	2.5	2.5
12.5°	11.6	4.7	2.2	1.1	0.7
15°	9.4	2.9	0.7	0.4	0.4
17.5°	7.2	1.8	0.0	0.0	0.0
20°	5.8	0.7	0.0	0.0	0.0
22.5°	4.3	0.4	0.0	0.0	0.0
25°	2.9	0.0	0.0	0.0	0.0
27.5°	1.8	0.0	0.0	0.0	0.0
30°	1.1	0.0	0.0	0.0	0.0
32.5°	0.4	0.0	0.0	0.0	0.0
35°	0.4	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°	0.4	0.0	0.0	0.4	0.4
47.5°	0.4	0.4	0.4	0.7	0.7
50°	0.4	0.4	0.4	0.7	1.1
52.5°	0.7	0.4	0.7	1.1	1.1
55°	0.7	0.7	1.1	1.4	1.4
57.5°	0.7	0.7	1.1	1.4	1.4
60°	0.7	0.7	1.1	1.4	1.8
62.5°	1.1	1.1	1.1	1.4	1.4
65°	1.1	1.1	1.1	1.4	1.8
67.5°	1.1	1.1	1.1	1.4	1.8
70°	1.1	1.1	1.1	1.4	1.4
72.5°	1.4	1.1	1.1	1.4	1.4
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	0.7	1.1	1.1
80°	1.1	0.7	0.7	0.7	0.7
82.5°	1.1	0.7	0.7	0.7	0.7
85°	1.1	0.7	0.4	0.4	0.4
87.5°	1.1	0.7	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)