

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: P1345511

Luminaire Tested: P3A13R359730DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345511
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: P3A13R359730DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

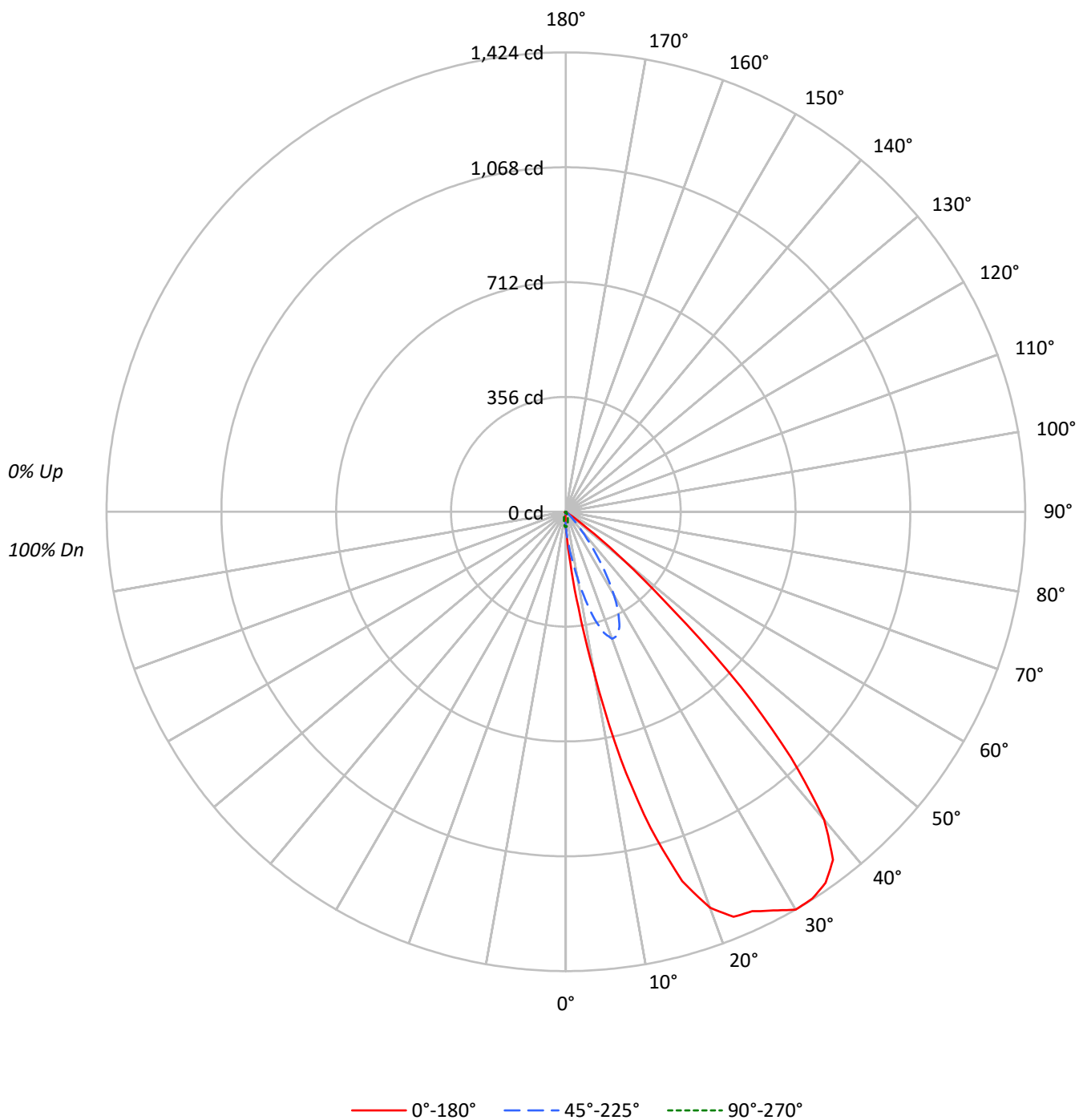
Lumens per Lamp: N/A
Luminaire Lumens: 448.0 lumens
Efficiency: N/A
Efficacy: 30.7 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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			0
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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	10328	10328	10328	10328	10328
5°	35153	22848	9641	4072	3016
10°	113091	46292	7615	1514	980
15°	230421	78525	5380	545	363
20°	304713	97775	3477	187	187
25°	330624	95062	1936	97	194
30°	360663	75758	810	101	203
35°	375813	47141	214	107	214
40°	356640	20610	115	229	344
45°	238071	8218	124	372	620
50°	79861	1365	273	546	819
55°	4473	153	306	765	1070
60°	351	175	526	877	1228
65°	415	208	623	1038	1453
70°	256	256	769	1282	1539
75°	339	339	1017	1356	1694
80°	0	505	1515	1515	1515
85°	0	1006	3019	1006	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 238071 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.2	1.8
10°-20°	64.3	14.4
20°-30°	135.8	30.3
30°-40°	154.1	34.4
40°-50°	75.8	16.9
50°-60°	6.6	1.5
60°-70°	1.3	0.3
70°-80°	1.2	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°	208.3	46.5
0°-40°	362.4	80.9
0°-60°	444.8	99.3
0°-90°	448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	448.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	47	47	47	47	47	
5°	160	104	44	18	14	26
15°	1015	346	24	2	2	289
25°	1366	393	8	0	1	636
35°	1404	176	1	0	1	865
45°	768	26	0	1	2	567
55°	12	0	1	2	3	46
65°	1	0	1	2	3	1
75°	0	0	1	2	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°	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2.5°	81.6	83.6	82.8	82.4	82.0	80.4	76.8	76.4	72.8	70.4	58.3
5°	159.7	156.4	157.2	152.8	147.2	139.1	133.9	122.7	113.4	103.8	68.0
7.5°	300.8	296.4	287.9	275.1	261.8	244.5	218.4	197.5	173.3	150.4	75.6
10°	507.9	505.5	494.6	461.7	432.7	386.5	343.0	297.2	252.1	207.9	80.8
12.5°	784.6	768.1	748.4	704.6	647.5	589.6	503.9	424.7	352.7	278.7	81.2
15°	1015.0	1004.6	976.8	919.7	851.0	767.3	665.6	559.0	450.4	345.9	77.2
17.5°	1200.4	1184.3	1148.5	1092.6	1013.4	904.8	785.8	655.9	523.6	393.7	70.4
20°	1305.8	1297.3	1270.0	1214.1	1127.6	1009.0	873.5	722.3	569.4	419.0	61.5
22.5°	1358.9	1352.8	1332.7	1288.1	1207.3	1087.8	932.6	756.9	582.7	416.2	52.3
25°	1366.5	1364.9	1347.6	1313.8	1246.3	1128.0	958.3	763.3	571.9	392.9	43.4
27.5°	1393.1	1387.4	1366.9	1333.1	1265.2	1134.9	949.5	741.2	536.9	351.9	36.2
30°	1424.4	1420.4	1399.9	1364.9	1284.5	1128.4	918.1	692.1	481.0	299.2	26.9
32.5°	1422.0	1420.4	1403.1	1366.1	1270.8	1090.6	862.2	618.5	405.0	236.1	16.9
35°	1403.9	1398.3	1376.6	1319.5	1192.8	993.3	756.0	518.8	320.5	176.1	10.9
37.5°	1360.5	1348.4	1311.8	1214.9	1053.2	843.3	615.7	400.5	226.8	117.8	6.8
40°	1245.9	1230.6	1157.0	1040.0	870.7	664.4	458.1	275.5	149.6	72.0	2.8
42.5°	1033.5	1002.6	929.0	808.7	649.9	469.7	300.8	178.6	88.1	43.4	0.8
45°	767.7	744.0	666.8	557.8	425.9	301.2	182.2	96.5	48.7	26.5	0.4
47.5°	447.2	432.7	392.9	321.3	235.3	158.0	93.3	51.9	28.6	12.9	0.4
50°	234.1	216.0	185.8	140.8	103.8	72.8	45.4	27.7	14.1	4.0	0.4
52.5°	82.0	80.8	73.6	55.5	45.0	32.6	22.1	12.1	4.0	0.8	0.4
55°	11.7	11.7	10.9	12.1	12.9	11.7	7.6	3.2	0.8	0.4	0.4
57.5°	0.8	0.8	0.8	1.2	1.6	1.6	1.2	0.4	0.4	0.4	0.8
60°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
62.5°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
65°	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
77.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
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°	47.1	47.1	47.1	47.1	47.1
2.5°	46.6	37.4	29.8	26.1	24.9
5°	43.8	28.2	18.5	14.5	13.7
7.5°	39.0	20.1	11.3	8.0	7.6
10°	34.2	14.5	6.8	4.8	4.4
12.5°	28.6	10.1	4.4	2.8	2.4
15°	23.7	6.8	2.4	2.0	1.6
17.5°	18.9	4.4	1.6	1.2	1.6
20°	14.9	2.8	0.8	0.8	0.8
22.5°	11.3	1.6	0.8	0.8	0.8
25°	8.0	0.8	0.4	0.4	0.8
27.5°	5.6	0.4	0.4	0.4	0.8
30°	3.2	0.4	0.4	0.4	0.8
32.5°	1.6	0.4	0.4	0.8	0.8
35°	0.8	0.4	0.4	0.8	0.8
37.5°	0.4	0.4	0.4	0.8	1.2
40°	0.4	0.4	0.8	1.2	1.2
42.5°	0.4	0.4	0.8	1.2	1.6
45°	0.4	0.8	1.2	1.6	2.0
47.5°	0.8	0.8	1.6	2.0	2.4
50°	0.8	1.2	1.6	2.4	2.4
52.5°	0.8	1.2	2.0	2.4	2.8
55°	0.8	1.6	2.0	2.8	2.8
57.5°	1.2	1.6	2.0	2.8	2.8
60°	1.2	1.6	2.0	2.8	2.8
62.5°	1.2	1.6	2.0	2.8	2.8
65°	1.2	1.6	2.0	2.8	2.8
67.5°	1.2	1.6	2.0	2.4	2.8
70°	1.2	1.6	2.0	2.4	2.4
72.5°	1.6	1.6	2.0	2.4	2.4
75°	1.2	1.6	1.6	2.0	2.0
77.5°	1.2	1.2	1.2	1.6	1.6
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	0.8	0.8	1.2	1.2
85°	1.2	0.8	0.4	0.8	0.8
87.5°	0.8	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)