

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: P1345911

Luminaire Tested: P3A13R409027DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R409027DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

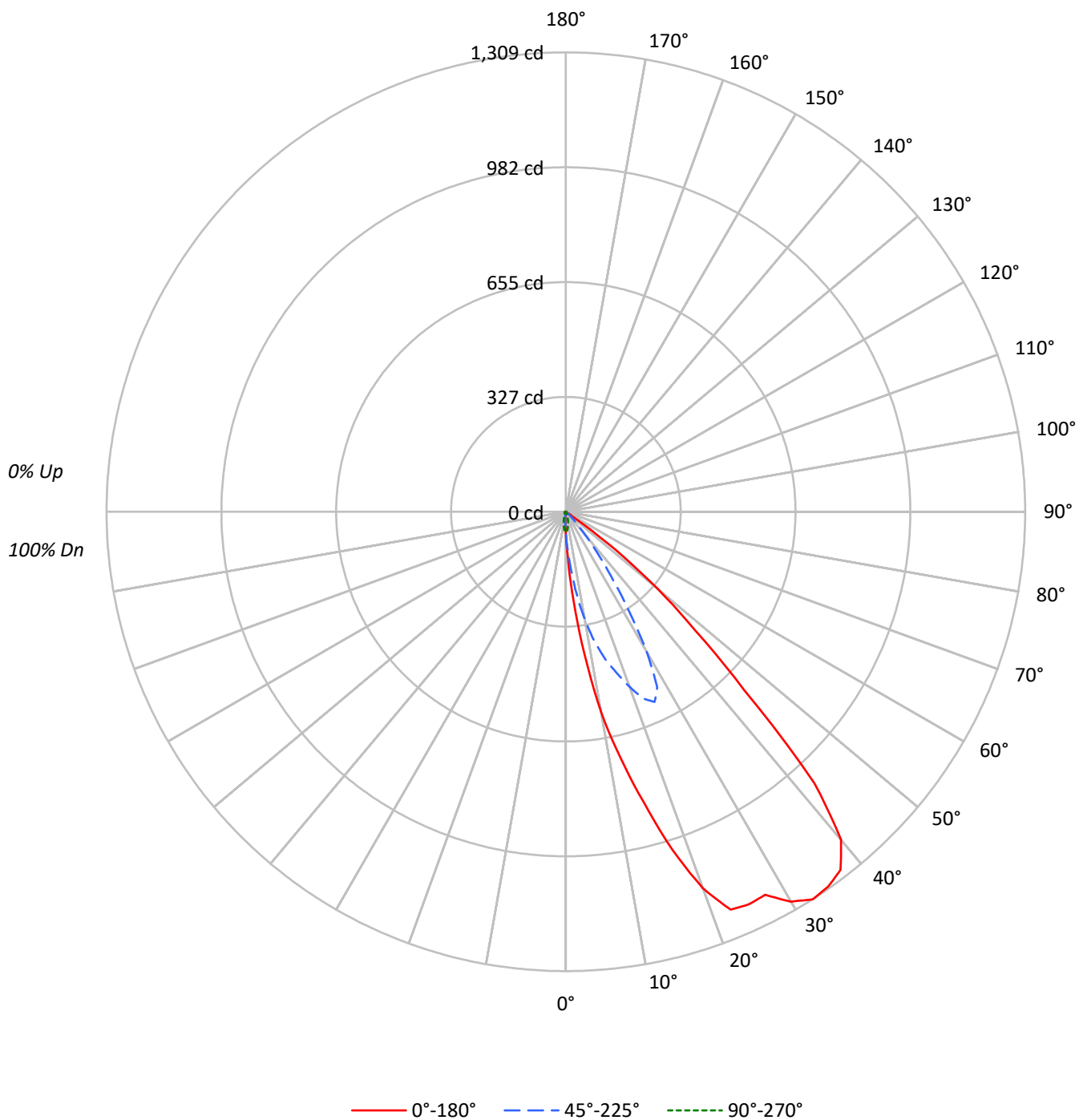
Lumens per Lamp: N/A
Luminaire Lumens: 482.9 lumens
Efficiency: N/A
Efficacy: 33.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	93	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	84	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	76	76	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	68	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	62	62	60
6	80	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	56	56	54
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	51	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	46	46	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	42	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	38	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12543	12543	12543	12543	12543
5°	56526	36033	11226	4314	3148
10°	129612	69627	7905	1536	1180
15°	194530	98797	4904	840	749
20°	266350	123841	2847	467	560
25°	298590	144686	1476	387	484
30°	324759	116803	608	304	506
35°	349044	59776	214	428	642
40°	349168	23845	115	458	830
45°	222938	7970	248	744	1147
50°	115715	989	409	989	1399
55°	9978	153	459	1262	1720
60°	351	175	526	1447	1974
65°	415	208	830	1505	2127
70°	256	256	1026	1539	2116
75°	339	339	1017	1694	2457
80°	505	505	1515	1515	2020
85°	0	1006	3019	2013	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 222938 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.1	2.3
10°-20°	65.4	13.5
20°-30°	143.2	29.6
30°-40°	163.1	33.8
40°-50°	86.1	17.8
50°-60°	10.1	2.1
60°-70°	1.8	0.4
70°-80°	1.5	0.3
80°-90°	0.7	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°	219.7	45.5
0°-40°	382.8	79.3
0°-60°	479.0	99.2
0°-90°	482.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	482.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	57	57	57	57	57	
5°	257	164	51	20	14	35
15°	857	435	22	4	3	252
25°	1234	598	6	2	2	569
35°	1304	223	1	2	2	808
45°	719	26	1	2	4	580
55°	26	0	1	3	4	81
65°	1	0	2	3	4	1
75°	0	0	1	2	3	0
85°	0	0	1	1	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°	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
2.5°	127.4	127.4	127.0	123.3	122.9	122.5	115.9	114.3	106.5	101.2	77.2
5°	256.8	251.1	250.6	244.1	233.1	218.4	209.0	193.9	179.2	163.7	95.1
7.5°	409.0	413.9	400.5	393.5	369.0	351.5	324.5	300.9	267.8	236.8	109.8
10°	582.1	573.6	560.1	546.6	520.1	488.6	448.6	406.6	358.8	312.7	118.0
12.5°	717.2	706.2	698.1	679.7	653.6	613.2	565.4	509.1	445.8	379.2	117.6
15°	856.9	845.8	827.5	811.1	772.4	727.0	675.2	600.9	523.3	435.2	109.0
17.5°	1010.4	996.1	975.7	950.8	913.2	863.0	797.3	706.6	596.8	480.9	93.5
20°	1141.4	1132.8	1112.4	1083.0	1046.3	997.3	921.4	820.9	687.0	530.7	74.3
22.5°	1227.1	1219.4	1205.5	1179.8	1152.0	1099.8	1030.4	920.1	762.6	576.0	56.3
25°	1234.1	1230.8	1227.1	1218.5	1201.8	1164.7	1096.9	978.1	809.5	598.0	41.6
27.5°	1230.4	1229.2	1228.3	1223.9	1212.8	1176.1	1106.7	986.7	803.4	563.8	30.6
30°	1282.6	1279.0	1276.9	1262.2	1233.2	1176.5	1085.9	940.5	714.0	461.3	22.0
32.5°	1309.2	1308.4	1306.3	1292.0	1251.2	1177.3	1050.8	829.1	566.2	333.1	15.1
35°	1303.9	1299.8	1292.4	1265.9	1209.2	1116.5	937.3	662.1	408.6	223.3	9.8
37.5°	1285.9	1276.5	1262.2	1214.5	1138.9	1012.4	760.1	487.4	278.0	144.5	5.7
40°	1219.8	1207.1	1184.7	1126.3	1027.1	834.4	562.1	329.4	182.5	83.3	1.6
42.5°	1048.7	1032.4	1016.1	950.8	837.3	622.1	369.9	203.7	104.1	45.7	0.4
45°	718.9	698.5	676.0	628.7	537.6	376.8	220.0	114.7	53.9	25.7	0.4
47.5°	499.3	489.9	450.7	390.3	299.2	199.6	113.9	56.3	28.6	11.8	0.4
50°	339.2	328.6	282.9	224.5	159.2	95.5	52.3	28.2	12.7	2.9	0.4
52.5°	178.0	164.9	135.9	103.7	64.5	40.0	22.9	12.2	3.7	0.4	0.4
55°	26.1	24.1	19.6	15.9	14.3	11.0	6.5	2.9	0.4	0.4	0.8
57.5°	0.8	0.8	0.8	0.8	1.2	1.2	0.8	0.4	0.4	0.4	0.8
60°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.8
62.5°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.8
65°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.8
67.5°	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.8	1.2
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	0.8	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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.2
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	1.2
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°	57.2	57.2	57.2	57.2	57.2
2.5°	56.3	41.6	32.2	27.8	27.4
5°	51.0	29.8	19.6	15.1	14.3
7.5°	43.3	20.8	11.4	8.2	7.8
10°	35.5	14.3	6.9	5.7	5.3
12.5°	28.2	9.4	4.9	4.5	4.1
15°	21.6	6.1	3.7	3.3	3.3
17.5°	16.3	4.1	2.9	2.9	2.9
20°	12.2	2.9	2.0	2.4	2.4
22.5°	8.6	2.0	1.6	2.0	2.0
25°	6.1	1.6	1.6	2.0	2.0
27.5°	4.1	1.2	1.2	1.6	2.0
30°	2.4	0.8	1.2	1.6	2.0
32.5°	1.2	0.8	1.2	2.0	2.0
35°	0.8	1.2	1.6	2.0	2.4
37.5°	0.4	1.2	1.6	2.4	2.4
40°	0.4	1.2	1.6	2.4	2.9
42.5°	0.8	1.6	2.0	2.9	3.3
45°	0.8	1.6	2.4	3.3	3.7
47.5°	0.8	1.6	2.9	3.7	3.7
50°	1.2	2.0	2.9	3.7	4.1
52.5°	1.2	2.0	2.9	4.1	4.5
55°	1.2	2.0	3.3	4.1	4.5
57.5°	1.2	2.4	3.3	4.1	4.5
60°	1.2	2.0	3.3	4.1	4.5
62.5°	1.6	2.0	2.9	4.1	4.1
65°	1.6	2.0	2.9	4.1	4.1
67.5°	1.6	2.0	2.9	3.7	3.7
70°	1.6	2.0	2.4	3.3	3.3
72.5°	1.6	2.0	2.4	2.9	3.3
75°	1.2	1.6	2.0	2.4	2.9
77.5°	1.2	1.6	1.6	2.4	2.4
80°	1.2	1.2	1.2	1.6	1.6
82.5°	1.2	1.2	0.8	1.2	1.2
85°	1.2	0.8	0.8	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)