

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: P1335145

Luminaire Tested: P3A02R309835DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335145
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: P3A02R309835DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

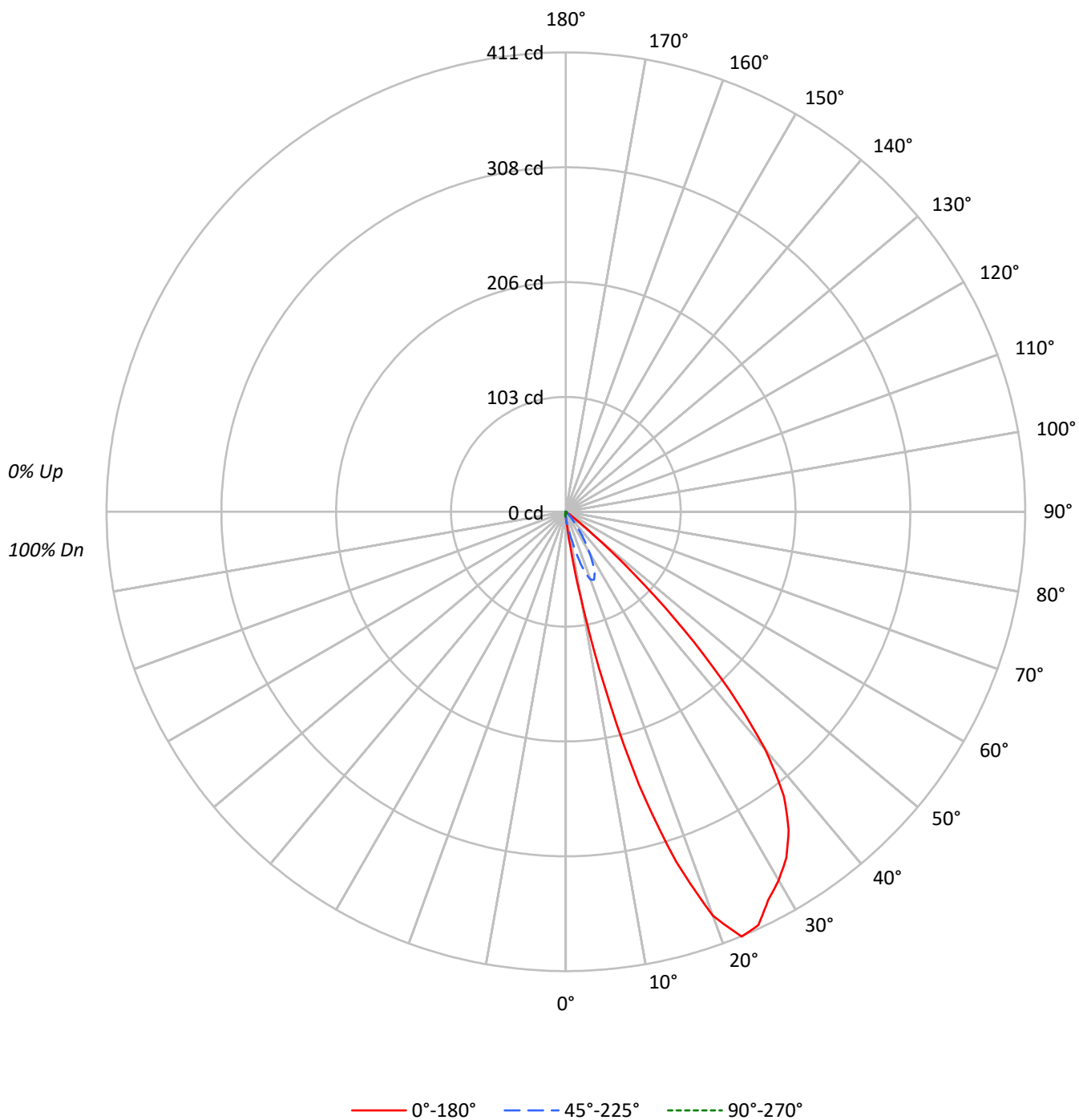
Lumens per Lamp: N/A
Luminaire Lumens: 97.1 lumens
Efficiency: N/A
Efficacy: 27.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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

TEST NUMBER: P1335145

CATALOG NUMBER: P3A02R309835DE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1335145

CATALOG NUMBER: P3A02R309835DE010 E3A301GPH

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	52	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1009	1009	1009	1009	1009
5°	3038	2025	947	418	352
10°	17635	4297	757	200	134
15°	57322	9762	522	45	23
20°	89701	15098	327	0	0
25°	98691	14759	169	0	0
30°	96395	10635	76	0	0
35°	93023	6050	27	0	0
40°	79349	2576	0	0	0
45°	46547	961	31	0	31
50°	11292	171	34	34	102
55°	994	0	76	115	153
60°	44	0	88	132	175
65°	52	52	156	156	208
70°	64	64	192	192	256
75°	0	85	254	254	254
80°	0	126	379	253	253
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 46547 cd/sqm

TEST NUMBER: P1335145

CATALOG NUMBER: P3A02R309835DE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.9
10°-20°	13.3	13.7
20°-30°	33.9	34.9
30°-40°	33.8	34.8
40°-50°	13.7	14.1
50°-60°	1.0	1.0
60°-70°	0.2	0.2
70°-80°	0.2	0.2
80°-90°	0.1	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°	48.1	49.5
0°-40°	81.8	84.3
0°-60°	96.5	99.4
0°-90°	97.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	97.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5	5	5	5	5	
5°	14	9	4	2	2	3
15°	252	43	2	0	0	73
25°	408	61	1	0	0	184
35°	348	23	0	0	0	213
45°	150	3	0	0	0	115
55°	3	0	0	0	0	7
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1335145

CATALOG NUMBER: P3A02R309835DE010 E3A301GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
2.5°	7.6	7.7	7.7	7.5	7.4	7.4	7.2	7.1	6.8	6.6	5.7
5°	13.8	13.6	13.2	13.2	12.4	12.0	11.3	10.6	10.1	9.2	6.6
7.5°	31.4	29.2	28.6	27.8	24.8	22.4	19.7	17.3	15.1	13.2	7.3
10°	79.2	75.0	71.5	64.5	55.8	47.3	39.5	30.5	24.3	19.3	7.8
12.5°	159.5	153.9	147.2	134.5	118.1	97.1	78.4	58.6	41.1	28.5	8.0
15°	252.5	243.0	232.7	216.4	189.6	159.5	125.9	94.2	66.0	43.0	7.8
17.5°	328.4	324.7	309.3	287.2	254.3	215.5	174.1	130.8	89.1	56.3	7.3
20°	384.4	381.8	363.3	339.7	302.7	258.2	205.6	153.7	105.1	64.7	6.5
22.5°	411.4	411.0	397.6	373.5	334.2	283.8	225.9	166.9	110.1	65.9	5.4
25°	407.9	409.5	401.9	384.0	346.3	294.4	232.0	166.9	106.5	61.0	4.5
27.5°	391.8	392.8	388.0	374.3	339.2	286.7	223.5	156.2	95.9	52.4	3.7
30°	380.7	381.1	375.2	360.5	323.3	269.4	203.7	136.3	79.9	42.0	2.7
32.5°	367.2	367.1	360.2	343.4	302.3	245.0	178.5	112.7	61.4	31.9	1.6
35°	347.5	345.3	335.9	316.5	271.1	212.2	146.3	85.8	44.2	22.6	1.0
37.5°	320.5	314.7	301.5	275.5	227.4	166.4	108.5	60.3	30.2	15.0	0.6
40°	277.2	271.0	253.0	221.4	172.0	119.7	73.1	39.3	19.1	9.0	0.4
42.5°	217.3	213.2	188.8	157.3	113.5	76.4	44.0	23.2	10.7	5.1	0.1
45°	150.1	144.7	125.6	98.9	68.2	42.4	24.6	12.1	6.1	3.1	0.0
47.5°	82.9	76.2	65.1	51.2	34.3	22.2	12.4	6.6	3.5	1.5	0.0
50°	33.1	32.9	26.1	18.6	13.1	10.1	6.2	3.5	1.8	0.5	0.1
52.5°	11.6	11.6	10.0	8.2	6.4	4.6	3.1	1.7	0.6	0.2	0.1
55°	2.6	2.8	2.7	2.5	2.4	2.0	1.3	0.6	0.2	0.0	0.1
57.5°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.2	0.0	0.0	0.1
60°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2
62.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
75°	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.3
77.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1335145

CATALOG NUMBER: P3A02R309835DE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	4.6	4.6	4.6	4.6	4.6
2.5°	4.6	3.6	3.0	2.7	2.6
5°	4.3	2.7	1.9	1.7	1.6
7.5°	3.9	2.0	1.3	1.1	1.0
10°	3.4	1.5	0.9	0.6	0.6
12.5°	2.8	1.2	0.5	0.3	0.2
15°	2.3	0.7	0.2	0.1	0.1
17.5°	1.8	0.4	0.0	0.0	0.0
20°	1.4	0.2	0.0	0.0	0.0
22.5°	1.1	0.1	0.0	0.0	0.0
25°	0.7	0.0	0.0	0.0	0.0
27.5°	0.4	0.0	0.0	0.0	0.0
30°	0.3	0.0	0.0	0.0	0.0
32.5°	0.1	0.0	0.0	0.0	0.0
35°	0.1	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°	0.1	0.0	0.0	0.1	0.1
47.5°	0.1	0.1	0.1	0.2	0.2
50°	0.1	0.1	0.1	0.2	0.3
52.5°	0.2	0.1	0.2	0.3	0.3
55°	0.2	0.2	0.3	0.4	0.4
57.5°	0.2	0.2	0.3	0.4	0.4
60°	0.2	0.2	0.3	0.4	0.4
62.5°	0.3	0.3	0.3	0.4	0.4
65°	0.3	0.3	0.3	0.4	0.4
67.5°	0.3	0.3	0.3	0.4	0.4
70°	0.3	0.3	0.3	0.4	0.4
72.5°	0.4	0.3	0.3	0.4	0.4
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.2	0.3	0.3
80°	0.3	0.2	0.2	0.2	0.2
82.5°	0.3	0.2	0.2	0.2	0.2
85°	0.3	0.2	0.1	0.1	0.1
87.5°	0.3	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)