

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: P1335866

Luminaire Tested: P3A02R40B2750DE010 E3A301GPH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335866
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: P3A02R40B2750DE010 E3A301GPH_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

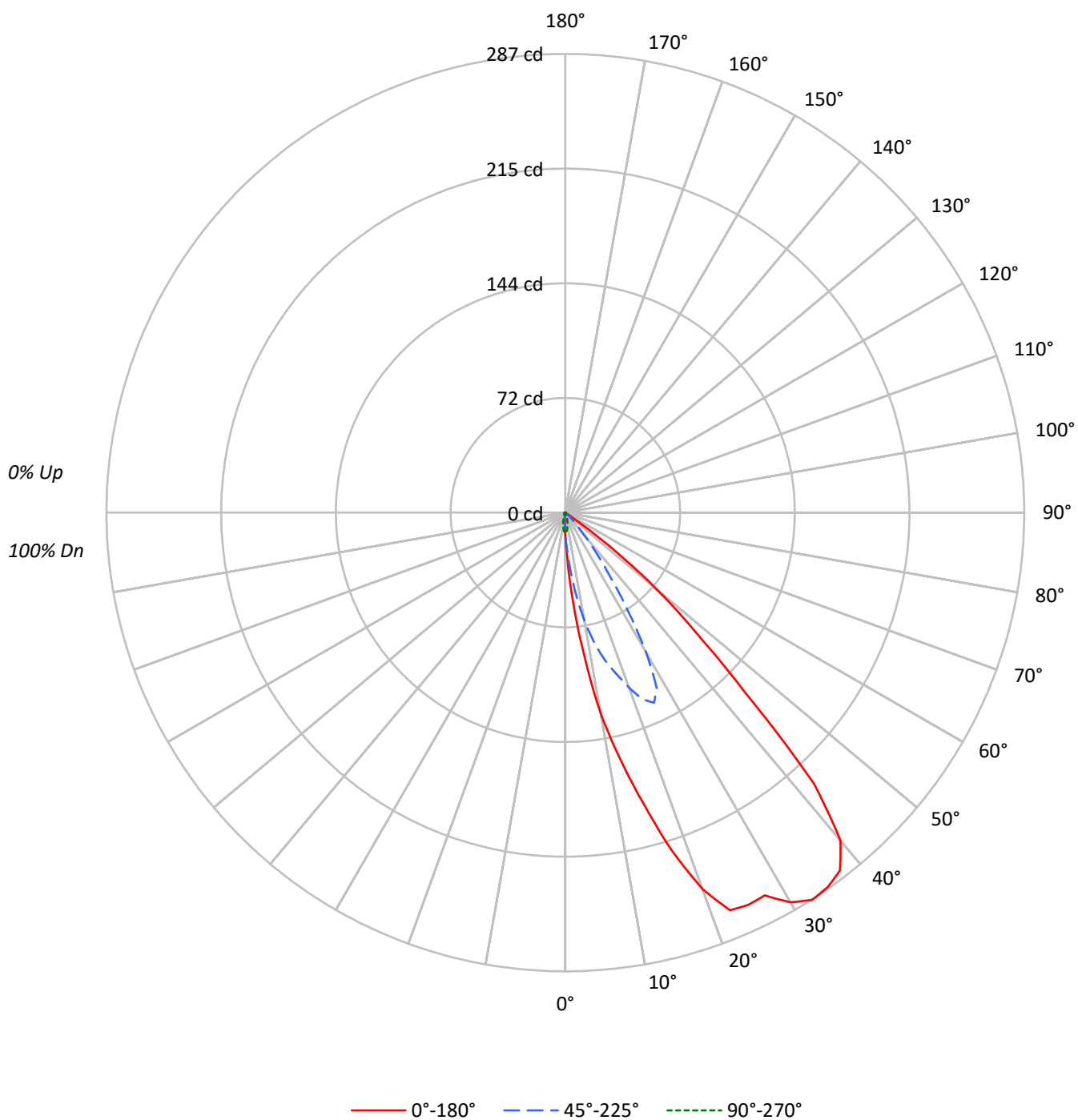
Lumens per Lamp: N/A
Luminaire Lumens: 106.0 lumens
Efficiency: N/A
Efficacy: 36.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 2.9
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: P1335866

CATALOG NUMBER: P3A02R40B2750DE010 E3A301GPH_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1335866

CATALOG NUMBER: P3A02R40B2750DE010 E3A301GPH_3000K

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	62	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	51	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°	2741	2741	2741	2741	2741
5°	12415	7902	2465	947	682
10°	28456	15275	1737	334	267
15°	42679	21680	1067	182	159
20°	58455	27186	630	93	117
25°	65520	31744	315	97	97
30°	71277	25624	127	76	101
35°	76587	13117	54	107	134
40°	76629	5238	29	115	172
45°	48935	1737	62	155	248
50°	25381	205	102	205	307
55°	2179	38	115	268	382
60°	88	44	132	307	439
65°	104	52	208	311	467
70°	64	64	256	321	449
75°	85	85	254	339	508
80°	126	126	379	379	505
85°	0	252	755	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48935 cd/sqm

TEST NUMBER: P1335866

CATALOG NUMBER: P3A02R40B2750DE010 E3A301GPH_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	2.3
10°-20°	14.3	13.5
20°-30°	31.4	29.6
30°-40°	35.8	33.8
40°-50°	18.9	17.8
50°-60°	2.2	2.1
60°-70°	0.4	0.4
70°-80°	0.3	0.3
80°-90°	0.2	0.2
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°	48.2	45.5
0°-40°	84.0	79.2
0°-60°	105.1	99.1
0°-90°	106.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	106.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	56	36	11	4	3	8
15°	188	96	5	1	1	55
25°	271	131	1	0	0	125
35°	286	49	0	0	0	177
45°	158	6	0	0	1	127
55°	6	0	0	1	1	18
65°	0	0	0	1	1	0
75°	0	0	0	0	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1335866

CATALOG NUMBER: P3A02R40B2750DE010 E3A301GPH_3000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
2.5°	28.0	28.0	27.9	27.1	27.0	26.9	25.4	25.1	23.4	22.2	16.9
5°	56.4	55.1	55.0	53.6	51.2	47.9	45.9	42.6	39.3	35.9	20.9
7.5°	89.8	90.8	87.9	86.4	81.0	77.1	71.2	66.0	58.8	52.0	24.1
10°	127.8	125.9	122.9	120.0	114.1	107.2	98.5	89.2	78.7	68.6	25.9
12.5°	157.4	155.0	153.2	149.2	143.4	134.6	124.1	111.7	97.8	83.2	25.8
15°	188.0	185.6	181.6	178.0	169.5	159.6	148.2	131.9	114.9	95.5	23.9
17.5°	221.7	218.6	214.1	208.7	200.4	189.4	175.0	155.1	131.0	105.5	20.5
20°	250.5	248.6	244.1	237.7	229.6	218.9	202.2	180.2	150.8	116.5	16.3
22.5°	269.3	267.6	264.6	258.9	252.8	241.4	226.1	201.9	167.4	126.4	12.4
25°	270.8	270.1	269.3	267.4	263.8	255.6	240.7	214.7	177.7	131.2	9.1
27.5°	270.0	269.8	269.6	268.6	266.2	258.1	242.9	216.5	176.3	123.7	6.7
30°	281.5	280.7	280.2	277.0	270.6	258.2	238.3	206.4	156.7	101.2	4.8
32.5°	287.3	287.1	286.7	283.6	274.6	258.4	230.6	182.0	124.3	73.1	3.3
35°	286.1	285.3	283.6	277.8	265.4	245.0	205.7	145.3	89.7	49.0	2.2
37.5°	282.2	280.1	277.0	266.5	250.0	222.2	166.8	107.0	61.0	31.7	1.3
40°	267.7	264.9	260.0	247.2	225.4	183.1	123.4	72.3	40.0	18.3	0.4
42.5°	230.2	226.6	223.0	208.7	183.7	136.5	81.2	44.7	22.8	10.0	0.1
45°	157.8	153.3	148.4	138.0	118.0	82.7	48.3	25.2	11.8	5.6	0.1
47.5°	109.6	107.5	98.9	85.6	65.7	43.8	25.0	12.4	6.3	2.6	0.1
50°	74.4	72.1	62.1	49.3	34.9	21.0	11.5	6.2	2.8	0.6	0.1
52.5°	39.1	36.2	29.8	22.8	14.2	8.8	5.0	2.7	0.8	0.1	0.1
55°	5.7	5.3	4.3	3.5	3.1	2.4	1.4	0.6	0.1	0.1	0.2
57.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.1	0.1	0.1	0.2
60°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2
62.5°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2
67.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.3
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	0.2	0.3
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
77.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3
80°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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: P1335866

CATALOG NUMBER: P3A02R40B2750DE010 E3A301GPH_3000K

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	12.5	12.5	12.5	12.5	12.5
2.5°	12.4	9.1	7.1	6.1	6.0
5°	11.2	6.5	4.3	3.3	3.1
7.5°	9.5	4.6	2.5	1.8	1.7
10°	7.8	3.1	1.5	1.3	1.2
12.5°	6.2	2.1	1.1	1.0	0.9
15°	4.7	1.3	0.8	0.7	0.7
17.5°	3.6	0.9	0.6	0.6	0.6
20°	2.7	0.6	0.4	0.5	0.5
22.5°	1.9	0.4	0.4	0.4	0.4
25°	1.3	0.4	0.4	0.4	0.4
27.5°	0.9	0.3	0.3	0.4	0.4
30°	0.5	0.2	0.3	0.4	0.4
32.5°	0.3	0.2	0.3	0.4	0.4
35°	0.2	0.3	0.4	0.4	0.5
37.5°	0.1	0.3	0.4	0.5	0.5
40°	0.1	0.3	0.4	0.5	0.6
42.5°	0.2	0.4	0.4	0.6	0.7
45°	0.2	0.4	0.5	0.7	0.8
47.5°	0.2	0.4	0.6	0.8	0.8
50°	0.3	0.4	0.6	0.8	0.9
52.5°	0.3	0.4	0.6	0.9	1.0
55°	0.3	0.4	0.7	0.9	1.0
57.5°	0.3	0.5	0.7	0.9	1.0
60°	0.3	0.4	0.7	0.9	1.0
62.5°	0.4	0.4	0.6	0.9	0.9
65°	0.4	0.4	0.6	0.9	0.9
67.5°	0.4	0.4	0.6	0.8	0.8
70°	0.4	0.4	0.5	0.7	0.7
72.5°	0.4	0.4	0.5	0.6	0.7
75°	0.3	0.4	0.4	0.5	0.6
77.5°	0.3	0.4	0.4	0.5	0.5
80°	0.3	0.3	0.3	0.4	0.4
82.5°	0.3	0.3	0.2	0.3	0.3
85°	0.3	0.2	0.2	0.2	0.2
87.5°	0.2	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)