

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: P1335890

Luminaire Tested: P3A02R40B2750DE010 E3A301WMH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335890
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 E3A301WMH_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

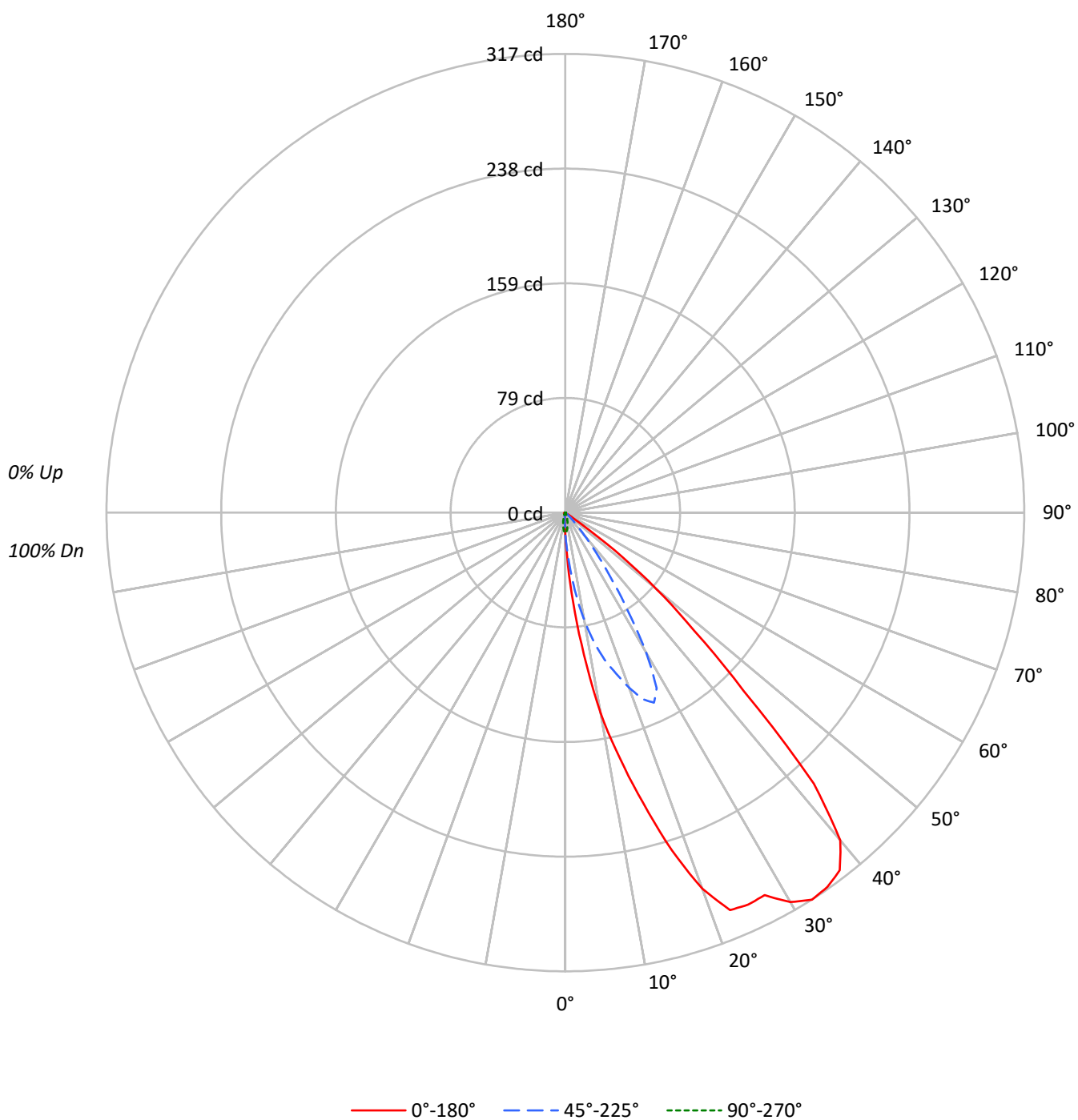
Lumens per Lamp: N/A
Luminaire Lumens: 117.0 lumens
Efficiency: N/A
Efficacy: 40.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1335890

CATALOG NUMBER: P3A02R40B2750DE010 E3A301WMH_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1335890

CATALOG NUMBER: P3A02R40B2750DE010 E3A301WMH_2700K

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°	3026	3026	3026	3026	3026
5°	13691	8739	2729	1035	770
10°	31396	16856	1915	379	289
15°	47129	23927	1180	204	182
20°	64522	30009	700	117	140
25°	72319	35058	363	97	121
30°	78670	28283	152	76	127
35°	84537	14482	54	107	161
40°	84587	5782	29	115	200
45°	53990	1923	62	186	279
50°	28042	239	102	239	341
55°	2409	38	115	306	421
60°	88	44	132	351	482
65°	104	52	208	363	519
70°	64	64	256	385	513
75°	85	85	254	424	593
80°	126	126	379	379	505
85°	0	252	755	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 53990 cd/sqm

TEST NUMBER: P1335890

CATALOG NUMBER: P3A02R40B2750DE010 E3A301WMH_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	2.3
10°-20°	15.8	13.5
20°-30°	34.7	29.6
30°-40°	39.5	33.8
40°-50°	20.8	17.8
50°-60°	2.5	2.1
60°-70°	0.4	0.4
70°-80°	0.4	0.3
80°-90°	0.2	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°	53.2	45.5
0°-40°	92.7	79.2
0°-60°	116.0	99.2
0°-90°	117.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	117.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	62	40	12	5	4	8
15°	208	105	5	1	1	61
25°	299	145	2	0	0	138
35°	316	54	0	0	1	196
45°	174	6	0	1	1	140
55°	6	0	0	1	1	20
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: P1335890

CATALOG NUMBER: P3A02R40B2750DE010 E3A301WMH_2700K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
2.5°	30.9	30.9	30.8	29.9	29.8	29.7	28.1	27.7	25.8	24.5	18.7
5°	62.2	60.8	60.7	59.1	56.5	52.9	50.6	47.0	43.4	39.7	23.0
7.5°	99.1	100.3	97.0	95.3	89.4	85.1	78.6	72.9	64.9	57.4	26.6
10°	141.0	138.9	135.7	132.4	126.0	118.4	108.7	98.5	86.9	75.7	28.6
12.5°	173.7	171.1	169.1	164.6	158.3	148.5	137.0	123.3	108.0	91.9	28.5
15°	207.6	204.9	200.4	196.5	187.1	176.1	163.6	145.6	126.8	105.4	26.4
17.5°	244.7	241.3	236.3	230.3	221.2	209.0	193.1	171.2	144.6	116.5	22.6
20°	276.5	274.4	269.5	262.3	253.4	241.6	223.2	198.9	166.4	128.6	18.0
22.5°	297.3	295.4	292.0	285.8	279.1	266.4	249.6	222.9	184.7	139.5	13.6
25°	298.9	298.1	297.3	295.2	291.1	282.1	265.7	236.9	196.1	144.9	10.1
27.5°	298.0	297.7	297.5	296.5	293.8	284.9	268.1	239.0	194.6	136.6	7.4
30°	310.7	309.8	309.3	305.8	298.7	285.0	263.0	227.8	173.0	111.7	5.3
32.5°	317.1	316.9	316.4	313.0	303.1	285.2	254.5	200.8	137.2	80.7	3.7
35°	315.8	314.9	313.1	306.6	292.9	270.5	227.0	160.4	99.0	54.1	2.4
37.5°	311.5	309.2	305.8	294.2	275.9	245.2	184.1	118.1	67.3	35.0	1.4
40°	295.5	292.4	287.0	272.8	248.8	202.1	136.2	79.8	44.2	20.2	0.4
42.5°	254.0	250.1	246.1	230.3	202.8	150.7	89.6	49.3	25.2	11.1	0.1
45°	174.1	169.2	163.8	152.3	130.2	91.3	53.3	27.8	13.1	6.2	0.1
47.5°	120.9	118.7	109.2	94.5	72.5	48.4	27.6	13.6	6.9	2.9	0.1
50°	82.2	79.6	68.5	54.4	38.6	23.1	12.7	6.8	3.1	0.7	0.1
52.5°	43.1	40.0	32.9	25.1	15.6	9.7	5.5	3.0	0.9	0.1	0.1
55°	6.3	5.8	4.7	3.9	3.5	2.7	1.6	0.7	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: P1335890

CATALOG NUMBER: P3A02R40B2750DE010 E3A301WMH_2700K

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	13.8	13.8	13.8	13.8	13.8
2.5°	13.6	10.1	7.8	6.7	6.6
5°	12.4	7.2	4.7	3.7	3.5
7.5°	10.5	5.0	2.8	2.0	1.9
10°	8.6	3.5	1.7	1.4	1.3
12.5°	6.8	2.3	1.2	1.1	1.0
15°	5.2	1.5	0.9	0.8	0.8
17.5°	4.0	1.0	0.7	0.7	0.7
20°	3.0	0.7	0.5	0.6	0.6
22.5°	2.1	0.5	0.4	0.5	0.5
25°	1.5	0.4	0.4	0.5	0.5
27.5°	1.0	0.3	0.3	0.4	0.5
30°	0.6	0.2	0.3	0.4	0.5
32.5°	0.3	0.2	0.3	0.5	0.5
35°	0.2	0.3	0.4	0.5	0.6
37.5°	0.1	0.3	0.4	0.6	0.6
40°	0.1	0.3	0.4	0.6	0.7
42.5°	0.2	0.4	0.5	0.7	0.8
45°	0.2	0.4	0.6	0.8	0.9
47.5°	0.2	0.4	0.7	0.9	0.9
50°	0.3	0.5	0.7	0.9	1.0
52.5°	0.3	0.5	0.7	1.0	1.1
55°	0.3	0.5	0.8	1.0	1.1
57.5°	0.3	0.6	0.8	1.0	1.1
60°	0.3	0.5	0.8	1.0	1.1
62.5°	0.4	0.5	0.7	1.0	1.0
65°	0.4	0.5	0.7	1.0	1.0
67.5°	0.4	0.5	0.7	0.9	0.9
70°	0.4	0.5	0.6	0.8	0.8
72.5°	0.4	0.5	0.6	0.7	0.8
75°	0.3	0.4	0.5	0.6	0.7
77.5°	0.3	0.4	0.4	0.6	0.6
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)