

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: P1335891

Luminaire Tested: P3A02R40B2750DE010 E3A301WMH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335891
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_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

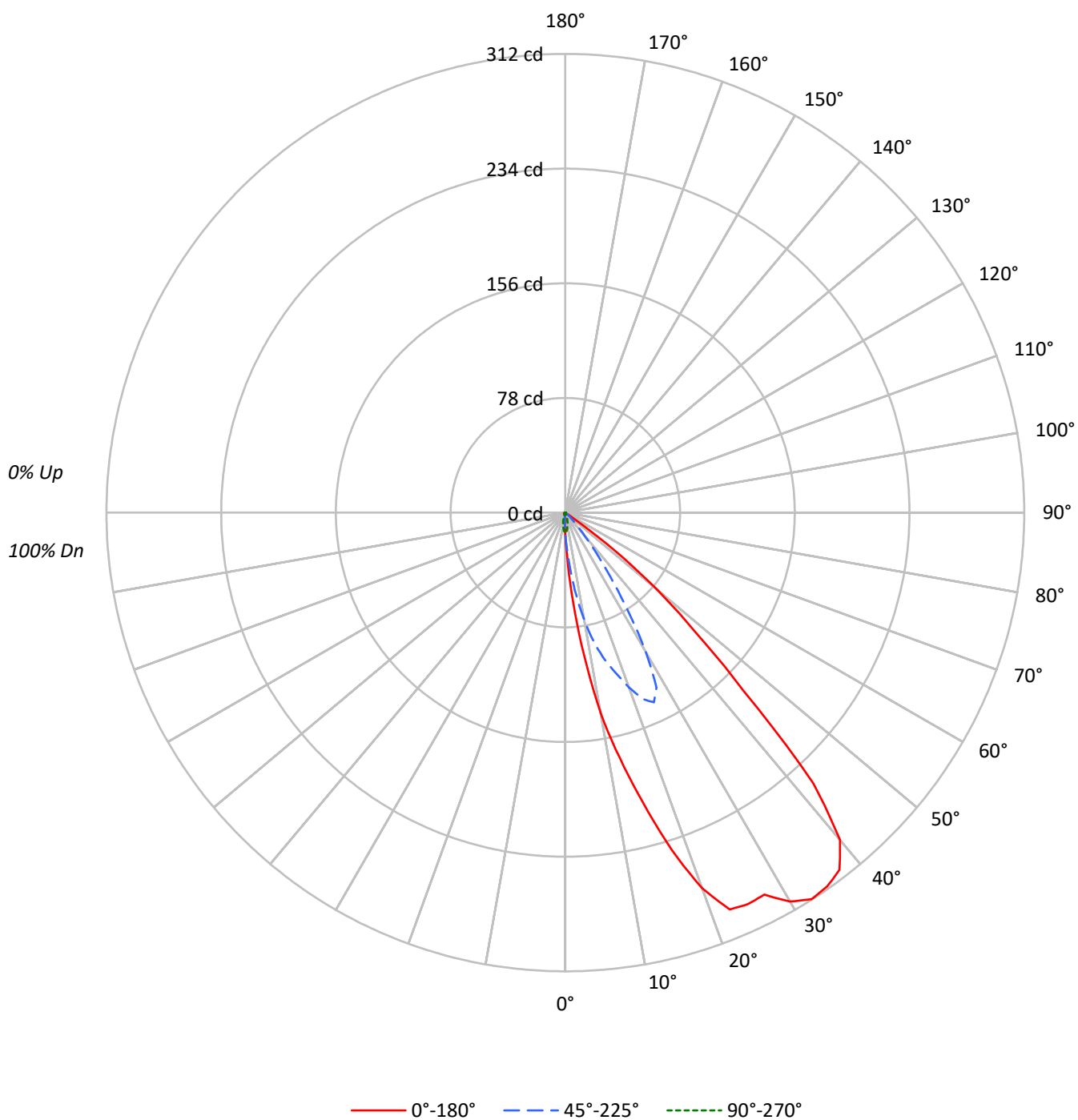
Lumens per Lamp: N/A
Luminaire Lumens: 115.1 lumens
Efficiency: N/A
Efficacy: 39.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2982	2982	2982	2982	2982
5°	13449	8585	2663	1035	748
10°	30861	16588	1893	379	289
15°	46311	23519	1180	204	182
20°	63426	29496	677	117	140
25°	71085	34454	363	97	121
30°	77328	27802	152	76	127
35°	83092	14241	54	107	161
40°	83127	5668	29	115	200
45°	53091	1892	62	186	279
50°	27564	239	102	239	341
55°	2370	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: 53091 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	2.3
10°-20°	15.6	13.5
20°-30°	34.1	29.6
30°-40°	38.8	33.8
40°-50°	20.5	17.8
50°-60°	2.4	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°	52.3	45.5
0°-40°	91.1	79.2
0°-60°	114.1	99.1
0°-90°	115.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	115.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	61	39	12	5	3	8
15°	204	104	5	1	1	60
25°	294	142	2	0	0	135
35°	310	53	0	0	1	192
45°	171	6	0	1	1	138
55°	6	0	0	1	1	19
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
2.5°	30.3	30.3	30.2	29.4	29.3	29.2	27.6	27.2	25.4	24.1	18.4
5°	61.1	59.8	59.7	58.1	55.5	52.0	49.8	46.2	42.7	39.0	22.6
7.5°	97.4	98.6	95.3	93.7	87.9	83.7	77.3	71.6	63.8	56.4	26.1
10°	138.6	136.6	133.4	130.1	123.8	116.3	106.8	96.8	85.4	74.5	28.1
12.5°	170.8	168.1	166.2	161.8	155.6	146.0	134.6	121.2	106.1	90.3	28.0
15°	204.0	201.4	197.0	193.1	183.9	173.1	160.8	143.1	124.6	103.6	26.0
17.5°	240.6	237.2	232.3	226.4	217.4	205.5	189.8	168.2	142.1	114.5	22.3
20°	271.8	269.7	264.9	257.9	249.1	237.4	219.4	195.5	163.6	126.4	17.7
22.5°	292.2	290.3	287.0	280.9	274.3	261.8	245.3	219.1	181.6	137.1	13.4
25°	293.8	293.0	292.2	290.1	286.1	277.3	261.2	232.9	192.7	142.4	9.9
27.5°	292.9	292.7	292.5	291.4	288.8	280.0	263.5	234.9	191.3	134.2	7.3
30°	305.4	304.5	304.0	300.5	293.6	280.1	258.5	223.9	170.0	109.8	5.2
32.5°	311.7	311.5	311.0	307.6	297.9	280.3	250.2	197.4	134.8	79.3	3.6
35°	310.4	309.5	307.7	301.4	287.9	265.8	223.2	157.7	97.3	53.2	2.3
37.5°	306.2	303.9	300.5	289.2	271.2	241.0	181.0	116.1	66.2	34.4	1.4
40°	290.4	287.4	282.1	268.2	244.5	198.7	133.8	78.4	43.4	19.8	0.4
42.5°	249.7	245.8	241.9	226.4	199.3	148.1	88.1	48.5	24.8	10.9	0.1
45°	171.2	166.3	161.0	149.7	128.0	89.7	52.4	27.3	12.8	6.1	0.1
47.5°	118.9	116.6	107.3	92.9	71.2	47.5	27.1	13.4	6.8	2.8	0.1
50°	80.8	78.2	67.4	53.5	37.9	22.7	12.4	6.7	3.0	0.7	0.1
52.5°	42.4	39.3	32.4	24.7	15.4	9.5	5.4	2.9	0.9	0.1	0.1
55°	6.2	5.7	4.7	3.8	3.4	2.6	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

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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	13.6	13.6	13.6	13.6	13.6
2.5°	13.4	9.9	7.7	6.6	6.5
5°	12.1	7.1	4.7	3.6	3.4
7.5°	10.3	5.0	2.7	1.9	1.8
10°	8.5	3.4	1.7	1.4	1.3
12.5°	6.7	2.2	1.2	1.1	1.0
15°	5.2	1.5	0.9	0.8	0.8
17.5°	3.9	1.0	0.7	0.7	0.7
20°	2.9	0.7	0.5	0.6	0.6
22.5°	2.0	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)