

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: P1336230

Luminaire Tested: P3A02R45B2750DE010 E3A301WMH_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1336230
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-69)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R45B2750DE010 E3A301WMH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R45 optic, 5000K CCT AND, 80CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

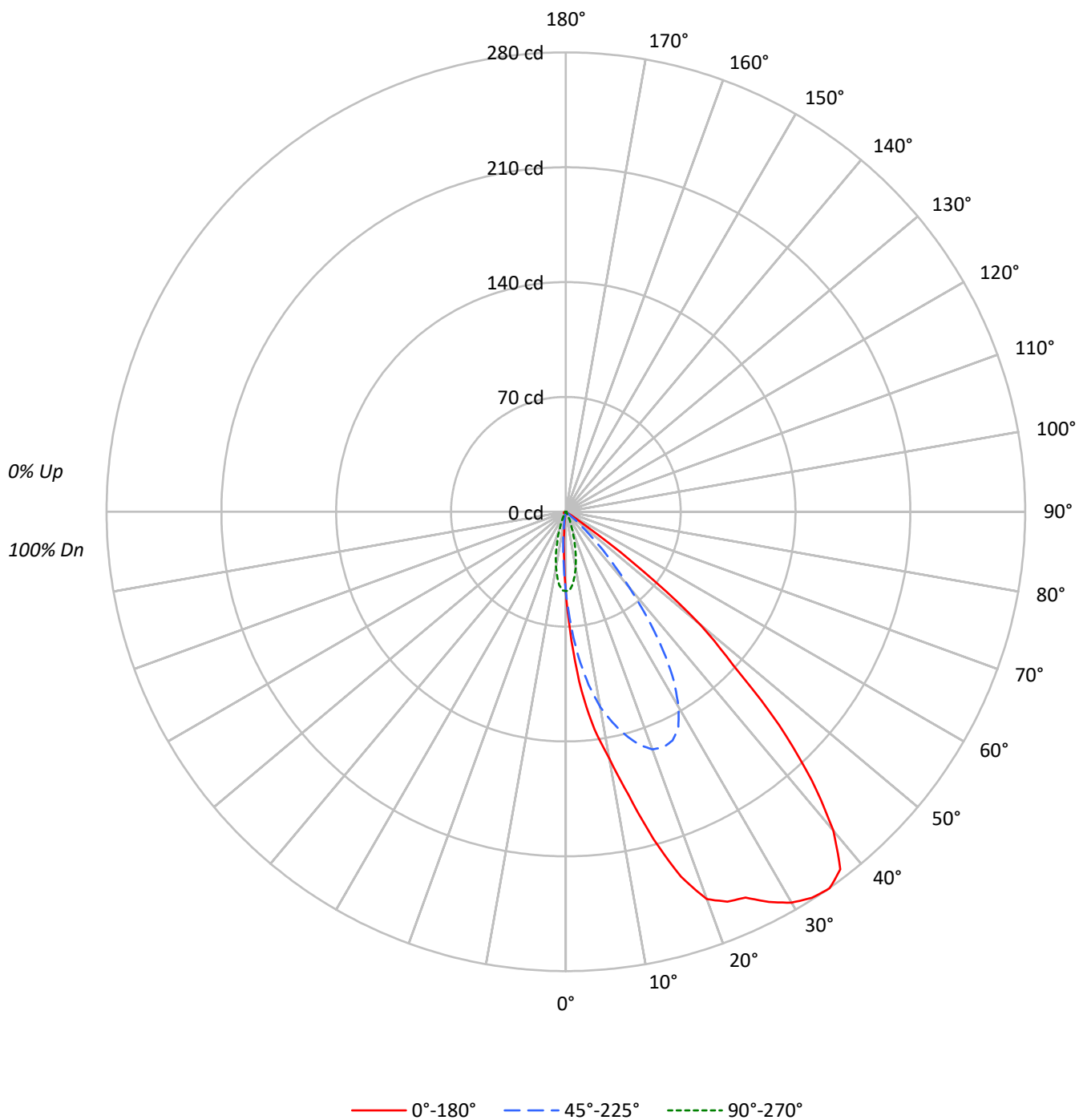
Lumens per Lamp: N/A
Luminaire Lumens: 126.9 lumens
Efficiency: N/A
Efficacy: 43.8 lumens/watt
Spacing Criteria (0/90/45): 2.13 / 0.47 / 1.22
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	93	90	95	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	76	71	90	82	76	71	80	74	70	77	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	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54		
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	47	43	51	46	42	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	10591	10591	10591	10591	10591
5°	24147	19591	9905	3984	2707
10°	34023	26920	7660	868	401
15°	46902	32009	4904	295	250
20°	58642	35960	2544	187	187
25°	62762	37236	1186	145	169
30°	69656	34765	532	152	177
35°	75034	27733	161	161	214
40°	72593	17175	86	200	286
45°	57029	8094	93	248	341
50°	36638	955	136	341	443
55°	5582	76	153	421	535
60°	88	88	175	482	570
65°	104	104	208	519	675
70°	128	128	256	513	769
75°	85	169	339	593	847
80°	126	253	379	631	884
85°	0	252	503	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57029 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.3	4.2
10°-20°	19.1	15.1
20°-30°	33.6	26.5
30°-40°	38.1	30.0
40°-50°	24.7	19.5
50°-60°	4.8	3.8
60°-70°	0.6	0.5
70°-80°	0.5	0.4
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°	58.0	45.7
0°-40°	96.1	75.7
0°-60°	125.7	99.0
0°-90°	126.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	126.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	48	48	48	48	48	
5°	110	89	45	18	12	12
15°	207	141	22	1	1	60
25°	259	154	5	1	1	122
35°	280	104	1	1	1	172
45°	184	26	0	1	1	139
55°	15	0	0	1	1	28
65°	0	0	0	1	1	0
75°	0	0	0	1	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°	50°
0°	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
2.5°	78.5	78.3	78.6	76.5	76.4	74.8	74.3	72.5	70.1	68.9	66.2
5°	109.7	108.7	108.7	106.1	105.3	103.4	100.4	96.5	93.4	89.0	84.3
7.5°	133.8	133.6	133.6	131.4	129.3	126.7	122.6	118.2	113.1	106.4	99.6
10°	152.8	153.2	152.2	150.2	147.1	144.3	139.5	134.1	127.9	120.9	111.8
12.5°	176.8	174.5	173.8	169.2	165.3	160.0	154.1	148.1	140.3	131.5	121.3
15°	206.6	203.6	200.6	194.6	188.0	179.8	170.7	161.8	151.8	141.0	128.3
17.5°	233.1	233.1	229.2	219.6	211.1	199.0	186.7	174.8	163.0	148.9	133.0
20°	251.3	250.3	247.4	240.4	230.7	217.0	201.0	184.3	170.0	154.1	135.6
22.5°	257.2	257.0	257.1	253.0	245.2	231.0	211.4	191.7	173.9	155.4	134.4
25°	259.4	259.8	260.9	259.3	253.4	239.2	217.7	195.2	175.0	153.9	129.5
27.5°	268.2	267.3	268.5	267.4	260.9	243.9	219.0	194.4	172.5	148.5	120.8
30°	275.1	274.9	276.9	275.9	267.3	246.8	217.8	191.2	166.2	137.3	107.1
32.5°	279.0	279.1	279.7	275.7	263.0	240.4	212.1	184.7	154.4	122.8	89.2
35°	280.3	279.7	276.7	267.0	249.6	225.4	198.0	169.3	138.4	103.6	70.5
37.5°	274.8	271.5	263.8	249.4	229.2	206.6	179.9	149.9	116.4	81.8	52.6
40°	253.6	249.3	239.6	224.8	206.0	184.2	156.9	125.4	90.3	60.0	37.0
42.5°	222.0	219.8	209.7	196.8	180.9	158.8	130.6	98.8	66.8	41.4	23.6
45°	183.9	181.0	174.6	163.2	150.7	127.6	101.3	70.7	45.6	26.1	11.7
47.5°	137.9	138.1	133.7	125.1	112.8	93.5	69.4	47.5	28.6	13.5	2.7
50°	107.4	105.9	99.7	90.9	76.6	62.2	44.8	30.0	15.1	2.8	0.2
52.5°	59.5	60.4	57.1	54.3	46.8	37.2	26.4	15.2	3.2	0.3	0.2
55°	14.6	15.4	14.8	15.1	15.6	13.9	10.7	3.0	0.3	0.2	0.2
57.5°	0.3	0.3	0.3	0.3	0.5	0.7	0.7	0.2	0.2	0.2	0.2
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
77.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
80°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
82.5°	0.0	0.0	0.0	0.0	0.1	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	0.1	0.1	0.1	0.1	0.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
2.5°	64.8	62.8	59.1	48.0	38.6	31.1	26.7	26.2
5°	80.2	74.8	66.9	45.0	28.5	18.1	13.1	12.3
7.5°	92.4	84.8	72.6	40.1	19.4	9.2	5.1	4.2
10°	102.5	91.7	75.6	34.4	12.2	3.9	2.1	1.8
12.5°	109.4	96.3	76.2	28.0	7.0	1.9	1.4	1.3
15°	113.9	97.8	73.6	21.6	3.9	1.3	1.2	1.1
17.5°	115.7	96.5	68.7	15.6	2.1	1.0	1.0	1.0
20°	114.8	92.4	61.5	10.9	1.4	0.8	0.8	0.8
22.5°	110.8	85.3	52.5	7.3	1.0	0.7	0.7	0.7
25°	102.8	75.6	42.9	4.9	0.6	0.6	0.7	0.7
27.5°	90.9	63.7	32.8	3.3	0.5	0.6	0.7	0.7
30°	75.9	50.5	23.6	2.1	0.5	0.6	0.6	0.7
32.5°	60.3	36.7	15.5	1.3	0.4	0.6	0.7	0.8
35°	43.8	25.1	9.9	0.6	0.5	0.6	0.7	0.8
37.5°	30.7	16.4	5.7	0.4	0.5	0.6	0.8	0.8
40°	20.0	9.1	2.1	0.3	0.5	0.7	0.8	1.0
42.5°	10.4	3.2	0.4	0.3	0.5	0.7	1.0	1.1
45°	2.7	0.4	0.1	0.3	0.6	0.8	1.1	1.1
47.5°	0.3	0.1	0.1	0.4	0.6	1.0	1.1	1.2
50°	0.1	0.2	0.2	0.4	0.6	1.0	1.2	1.3
52.5°	0.2	0.2	0.2	0.4	0.7	1.0	1.3	1.4
55°	0.2	0.2	0.2	0.4	0.7	1.1	1.3	1.4
57.5°	0.2	0.2	0.2	0.4	0.7	1.1	1.3	1.3
60°	0.2	0.2	0.2	0.4	0.7	1.1	1.3	1.3
62.5°	0.2	0.2	0.3	0.4	0.7	1.0	1.3	1.3
65°	0.2	0.3	0.3	0.4	0.7	1.0	1.2	1.3
67.5°	0.2	0.2	0.3	0.4	0.7	1.0	1.2	1.3
70°	0.2	0.2	0.3	0.4	0.6	0.8	1.1	1.2
72.5°	0.2	0.2	0.3	0.4	0.6	0.8	1.0	1.1
75°	0.2	0.2	0.3	0.4	0.5	0.7	1.0	1.0
77.5°	0.2	0.2	0.3	0.3	0.5	0.6	0.8	0.8
80°	0.2	0.2	0.3	0.3	0.4	0.5	0.6	0.7
82.5°	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
87.5°	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)