

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: P1336226

Luminaire Tested: P3A02R45B2750DE010 E3A301WMH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1336226
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

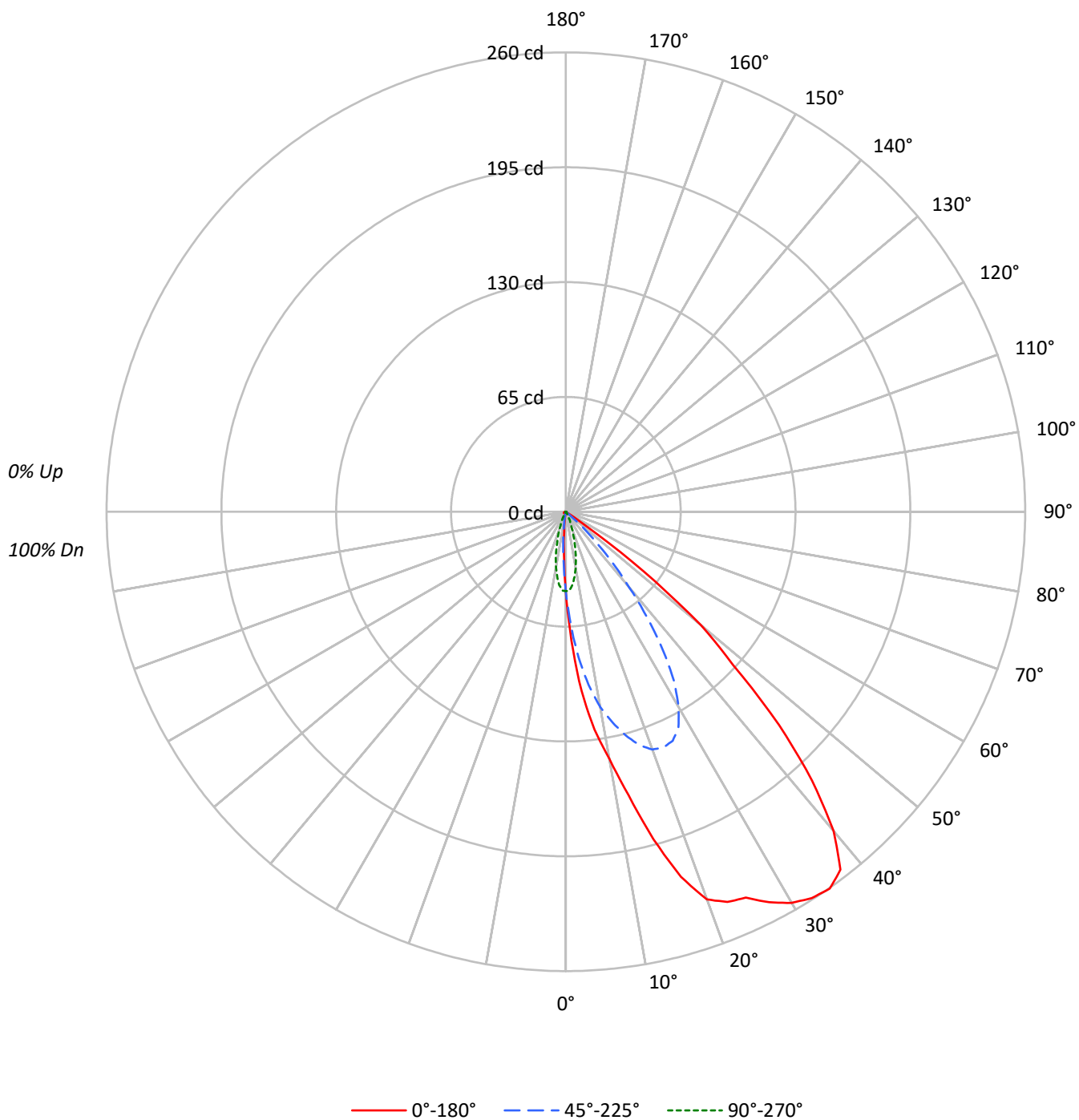
Lumens per Lamp: N/A
Luminaire Lumens: 118.0 lumens
Efficiency: N/A
Efficacy: 40.7 lumens/watt
Spacing Criteria (0/90/45): 2.13 / 0.47 / 1.22
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1336226

CATALOG NUMBER: P3A02R45B2750DE010 E3A301WMH_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P1336226

CATALOG NUMBER: P3A02R45B2750DE010 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	0		
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	94	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°	9846	9846	9846	9846	9846
5°	22430	18204	9201	3698	2509
10°	31618	25005	7125	824	379
15°	43564	29762	4540	272	227
20°	54488	33416	2380	187	187
25°	58310	34599	1089	145	169
30°	64719	32309	506	152	177
35°	69707	25752	161	161	214
40°	67469	15973	86	200	258
45°	52967	7536	93	248	310
50°	34046	887	136	307	409
55°	5161	76	153	382	497
60°	88	88	175	439	526
65°	104	104	208	467	623
70°	128	128	256	513	705
75°	85	169	339	593	763
80°	126	253	379	631	884
85°	0	252	503	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52967 cd/sqm

TEST NUMBER: P1336226

CATALOG NUMBER: P3A02R45B2750DE010 E3A301WMH_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	4.2
10°-20°	17.8	15.1
20°-30°	31.2	26.4
30°-40°	35.4	30.0
40°-50°	23.0	19.4
50°-60°	4.5	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°	53.9	45.7
0°-40°	89.3	75.7
0°-60°	116.8	99.0
0°-90°	118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	118.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	45	45	45	45	45	
5°	102	83	42	17	11	11
15°	192	131	20	1	1	55
25°	241	143	4	1	1	113
35°	260	96	1	1	1	160
45°	171	24	0	1	1	129
55°	14	0	0	1	1	26
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	

TEST NUMBER: P1336226

CATALOG NUMBER: P3A02R45B2750DE010 E3A301WMH_2700K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
2.5°	72.9	72.7	73.0	71.1	71.0	69.5	69.1	67.4	65.1	64.0	61.5
5°	101.9	101.0	101.0	98.6	97.8	96.1	93.3	89.7	86.7	82.7	78.4
7.5°	124.3	124.1	124.1	122.1	120.1	117.7	113.9	109.8	105.1	98.9	92.6
10°	142.0	142.3	141.4	139.5	136.7	134.1	129.6	124.6	118.8	112.3	103.9
12.5°	164.3	162.1	161.4	157.2	153.6	148.6	143.2	137.6	130.4	122.2	112.7
15°	191.9	189.2	186.4	180.8	174.7	167.1	158.6	150.3	141.0	131.1	119.2
17.5°	216.6	216.6	213.0	204.1	196.2	184.9	173.5	162.4	151.5	138.4	123.6
20°	233.5	232.6	229.8	223.3	214.3	201.6	186.7	171.2	158.0	143.2	126.0
22.5°	239.0	238.8	238.9	235.1	227.9	214.6	196.4	178.1	161.5	144.4	124.8
25°	241.0	241.4	242.4	240.9	235.5	222.2	202.3	181.4	162.6	143.0	120.3
27.5°	249.2	248.4	249.5	248.5	242.4	226.6	203.5	180.6	160.3	138.0	112.2
30°	255.6	255.4	257.3	256.4	248.4	229.3	202.4	177.6	154.4	127.6	99.5
32.5°	259.2	259.3	259.8	256.2	244.3	223.3	197.1	171.6	143.5	114.1	82.9
35°	260.4	259.8	257.1	248.1	231.9	209.4	183.9	157.3	128.6	96.2	65.5
37.5°	255.3	252.2	245.1	231.7	213.0	191.9	167.2	139.2	108.2	76.0	48.8
40°	235.7	231.6	222.6	208.9	191.4	171.1	145.8	116.5	83.9	55.8	34.3
42.5°	206.3	204.2	194.8	182.9	168.1	147.5	121.4	91.8	62.1	38.5	21.9
45°	170.8	168.2	162.2	151.7	140.0	118.5	94.1	65.7	42.3	24.3	10.9
47.5°	128.1	128.3	124.2	116.3	104.8	86.8	64.4	44.1	26.5	12.5	2.5
50°	99.8	98.4	92.7	84.5	71.2	57.8	41.6	27.8	14.0	2.6	0.2
52.5°	55.3	56.2	53.1	50.4	43.5	34.5	24.6	14.1	3.0	0.3	0.2
55°	13.5	14.3	13.7	14.0	14.5	12.9	10.0	2.8	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

TEST NUMBER: P1336226

CATALOG NUMBER: P3A02R45B2750DE010 E3A301WMH_2700K

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
2.5°	60.2	58.3	54.9	44.6	35.8	28.9	24.8	24.4
5°	74.5	69.5	62.2	41.8	26.4	16.8	12.1	11.4
7.5°	85.9	78.8	67.5	37.3	18.1	8.6	4.7	3.9
10°	95.2	85.2	70.3	32.0	11.3	3.7	2.0	1.7
12.5°	101.6	89.5	70.8	26.1	6.5	1.8	1.3	1.2
15°	105.8	90.9	68.4	20.0	3.7	1.2	1.1	1.0
17.5°	107.5	89.7	63.8	14.5	2.0	0.9	0.9	0.9
20°	106.7	85.9	57.1	10.2	1.3	0.8	0.8	0.8
22.5°	102.9	79.2	48.8	6.8	0.9	0.7	0.7	0.7
25°	95.5	70.3	39.9	4.5	0.6	0.6	0.7	0.7
27.5°	84.5	59.2	30.5	3.1	0.5	0.6	0.7	0.7
30°	70.6	46.9	21.9	2.0	0.5	0.6	0.6	0.7
32.5°	56.1	34.1	14.4	1.2	0.4	0.6	0.7	0.8
35°	40.7	23.3	9.2	0.6	0.5	0.6	0.7	0.8
37.5°	28.5	15.2	5.3	0.4	0.5	0.6	0.8	0.8
40°	18.6	8.5	2.0	0.3	0.5	0.7	0.8	0.9
42.5°	9.7	3.0	0.4	0.3	0.5	0.7	0.9	1.0
45°	2.5	0.4	0.1	0.3	0.6	0.8	1.0	1.0
47.5°	0.3	0.1	0.1	0.4	0.6	0.9	1.0	1.1
50°	0.1	0.2	0.2	0.4	0.6	0.9	1.1	1.2
52.5°	0.2	0.2	0.2	0.4	0.7	0.9	1.2	1.3
55°	0.2	0.2	0.2	0.4	0.7	1.0	1.2	1.3
57.5°	0.2	0.2	0.2	0.4	0.7	1.0	1.2	1.2
60°	0.2	0.2	0.2	0.4	0.7	1.0	1.2	1.2
62.5°	0.2	0.2	0.3	0.4	0.7	0.9	1.2	1.2
65°	0.2	0.3	0.3	0.4	0.7	0.9	1.1	1.2
67.5°	0.2	0.2	0.3	0.4	0.7	0.9	1.1	1.2
70°	0.2	0.2	0.3	0.4	0.6	0.8	1.0	1.1
72.5°	0.2	0.2	0.3	0.4	0.6	0.8	0.9	1.0
75°	0.2	0.2	0.3	0.4	0.5	0.7	0.9	0.9
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)