

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: P1336201

Luminaire Tested: P3A02R45B2750DE010 E3A301GPH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1336201
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 E3A301GPH_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

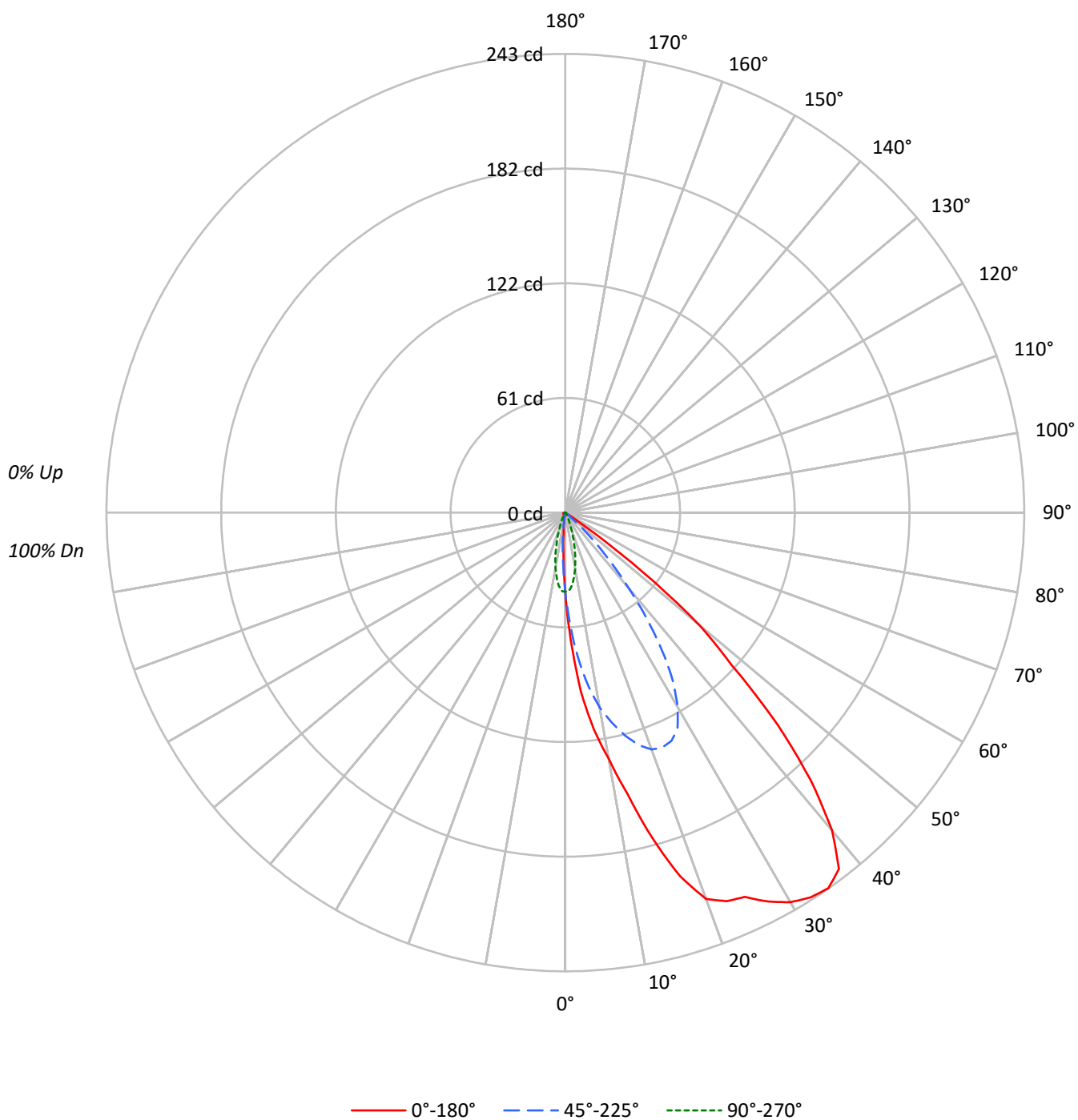
Lumens per Lamp: N/A
Luminaire Lumens: 110.0 lumens
Efficiency: N/A
Efficacy: 37.9 lumens/watt
Spacing Criteria (0/90/45): 2.13 / 0.47 / 1.22
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	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	79	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	75	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	42	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°	9188	9188	9188	9188	9188
5°	20911	16971	8585	3434	2355
10°	29481	23313	6635	757	356
15°	40613	27741	4245	250	204
20°	50801	31153	2217	163	163
25°	54342	32252	1016	145	145
30°	60338	30106	456	152	152
35°	64996	24012	161	161	187
40°	62889	14885	86	172	229
45°	49369	7008	93	217	279
50°	31726	819	136	273	375
55°	4817	76	153	344	459
60°	88	88	175	395	482
65°	104	104	208	415	571
70°	128	128	256	449	641
75°	85	169	339	508	678
80°	126	253	379	631	758
85°	0	252	503	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49369 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	4.2
10°-20°	16.6	15.1
20°-30°	29.1	26.4
30°-40°	33.0	30.0
40°-50°	21.4	19.4
50°-60°	4.2	3.8
60°-70°	0.5	0.5
70°-80°	0.4	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°	50.2	45.7
0°-40°	83.3	75.7
0°-60°	108.9	99.0
0°-90°	110.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	110.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	42	42	42	42	42	
5°	95	77	39	16	11	10
15°	179	122	19	1	1	52
25°	225	133	4	1	1	105
35°	243	90	1	1	1	149
45°	159	23	0	1	1	120
55°	13	0	0	1	1	24
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°	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
2.5°	68.0	67.8	68.1	66.2	66.1	64.8	64.4	62.8	60.7	59.7	57.3
5°	95.0	94.1	94.1	91.9	91.2	89.6	86.9	83.6	80.9	77.1	73.0
7.5°	115.9	115.7	115.7	113.8	112.0	109.7	106.2	102.4	98.0	92.2	86.3
10°	132.4	132.7	131.8	130.1	127.4	125.0	120.8	116.2	110.8	104.7	96.9
12.5°	153.2	151.1	150.5	146.5	143.1	138.5	133.5	128.2	121.5	113.9	105.1
15°	178.9	176.4	173.8	168.5	162.8	155.7	147.8	140.1	131.5	122.2	111.1
17.5°	201.9	201.9	198.5	190.2	182.9	172.4	161.7	151.4	141.2	129.0	115.2
20°	217.7	216.8	214.3	208.2	199.8	187.9	174.1	159.6	147.3	133.5	117.5
22.5°	222.8	222.6	222.7	219.1	212.4	200.1	183.1	166.0	150.6	134.6	116.4
25°	224.6	225.0	225.9	224.6	219.5	207.2	188.6	169.1	151.6	133.3	112.1
27.5°	232.3	231.5	232.6	231.6	225.9	211.2	189.7	168.3	149.4	128.6	104.6
30°	238.3	238.1	239.8	239.0	231.5	213.8	188.7	165.6	144.0	118.9	92.7
32.5°	241.7	241.8	242.2	238.8	227.8	208.2	183.7	160.0	133.8	106.3	77.3
35°	242.8	242.2	239.6	231.3	216.2	195.2	171.5	146.6	119.9	89.7	61.1
37.5°	238.0	235.1	228.5	216.0	198.5	178.9	155.8	129.8	100.8	70.8	45.5
40°	219.7	215.9	207.5	194.8	178.5	159.5	135.9	108.6	78.2	52.0	32.0
42.5°	192.3	190.3	181.6	170.5	156.7	137.5	113.2	85.6	57.9	35.9	20.4
45°	159.2	156.8	151.2	141.4	130.5	110.5	87.8	61.3	39.5	22.6	10.1
47.5°	119.4	119.6	115.8	108.4	97.7	81.0	60.1	41.1	24.7	11.7	2.3
50°	93.0	91.7	86.4	78.7	66.3	53.9	38.8	25.9	13.1	2.4	0.2
52.5°	51.5	52.3	49.5	47.0	40.6	32.2	22.9	13.2	2.8	0.3	0.2
55°	12.6	13.3	12.8	13.1	13.5	12.1	9.3	2.6	0.3	0.2	0.2
57.5°	0.3	0.3	0.3	0.3	0.5	0.6	0.6	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°	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
2.5°	56.1	54.4	51.1	41.6	33.4	27.0	23.1	22.7
5°	69.5	64.8	58.0	39.0	24.7	15.6	11.3	10.7
7.5°	80.0	73.4	62.9	34.8	16.8	8.0	4.4	3.7
10°	88.8	79.4	65.5	29.8	10.6	3.4	1.8	1.6
12.5°	94.8	83.4	66.0	24.3	6.1	1.7	1.2	1.1
15°	98.6	84.7	63.8	18.7	3.4	1.1	1.0	0.9
17.5°	100.2	83.6	59.5	13.5	1.8	0.8	0.8	0.8
20°	99.4	80.0	53.3	9.5	1.2	0.7	0.7	0.7
22.5°	95.9	73.9	45.4	6.3	0.8	0.6	0.6	0.6
25°	89.1	65.5	37.2	4.2	0.6	0.6	0.6	0.6
27.5°	78.7	55.2	28.4	2.9	0.5	0.6	0.6	0.6
30°	65.8	43.7	20.4	1.8	0.5	0.6	0.6	0.6
32.5°	52.3	31.8	13.4	1.1	0.4	0.6	0.6	0.7
35°	37.9	21.7	8.6	0.6	0.5	0.6	0.6	0.7
37.5°	26.6	14.2	5.0	0.4	0.5	0.6	0.7	0.7
40°	17.3	7.9	1.8	0.3	0.5	0.6	0.7	0.8
42.5°	9.0	2.8	0.4	0.3	0.5	0.6	0.8	0.9
45°	2.3	0.4	0.1	0.3	0.6	0.7	0.9	0.9
47.5°	0.3	0.1	0.1	0.4	0.6	0.8	0.9	1.0
50°	0.1	0.2	0.2	0.4	0.6	0.8	1.0	1.1
52.5°	0.2	0.2	0.2	0.4	0.6	0.8	1.1	1.2
55°	0.2	0.2	0.2	0.4	0.6	0.9	1.1	1.2
57.5°	0.2	0.2	0.2	0.4	0.6	0.9	1.1	1.1
60°	0.2	0.2	0.2	0.4	0.6	0.9	1.1	1.1
62.5°	0.2	0.2	0.3	0.4	0.6	0.8	1.1	1.1
65°	0.2	0.3	0.3	0.4	0.6	0.8	1.0	1.1
67.5°	0.2	0.2	0.3	0.4	0.6	0.8	1.0	1.1
70°	0.2	0.2	0.3	0.4	0.6	0.7	0.9	1.0
72.5°	0.2	0.2	0.3	0.4	0.6	0.7	0.8	0.9
75°	0.2	0.2	0.3	0.4	0.5	0.6	0.8	0.8
77.5°	0.2	0.2	0.3	0.3	0.5	0.6	0.7	0.7
80°	0.2	0.2	0.3	0.3	0.4	0.5	0.6	0.6
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)