

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: P1335193

Luminaire Tested: P3A02R30B2750DE010 E3A301GPH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335193
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R30B2750DE010 E3A301GPH_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

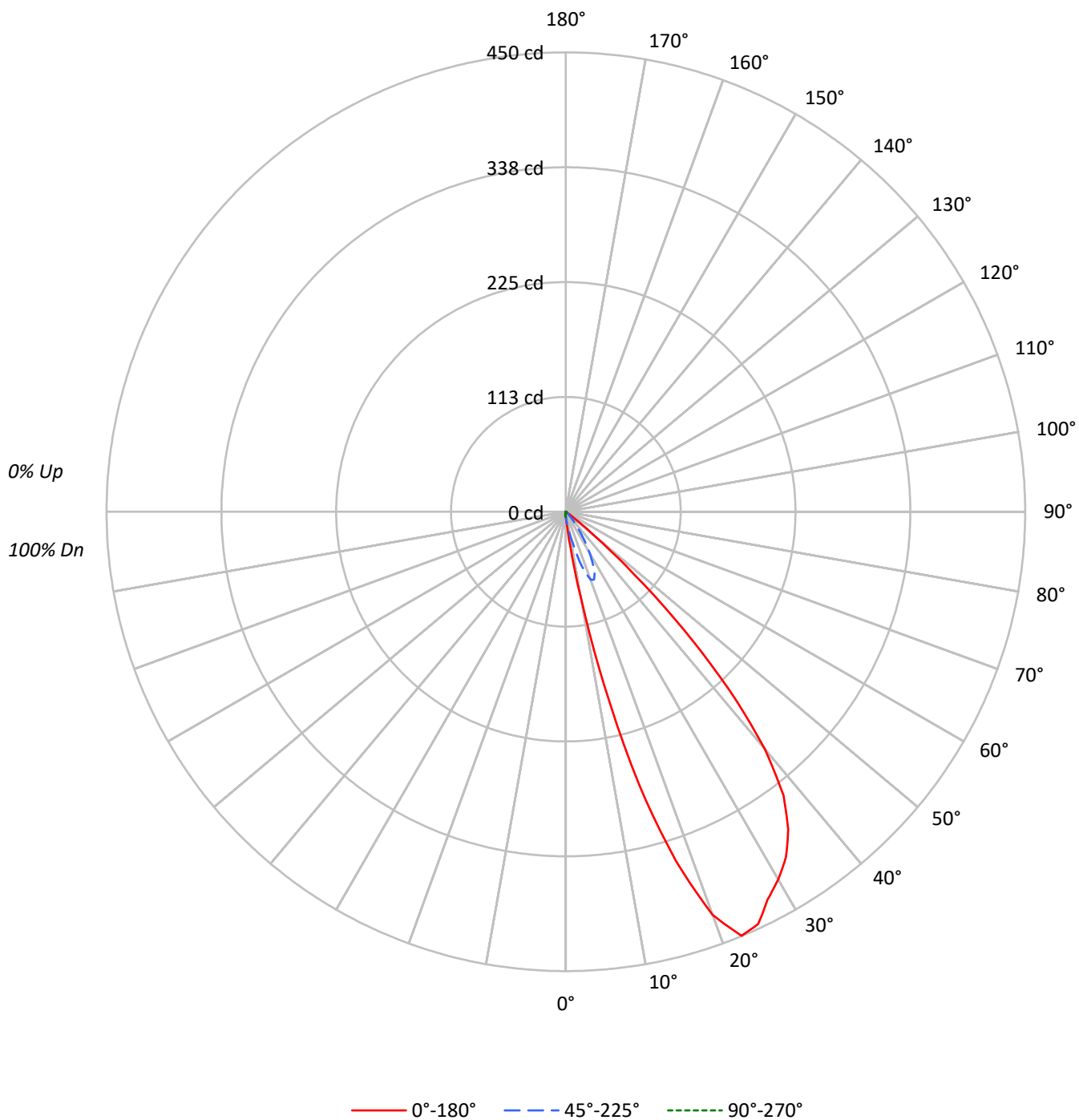
Lumens per Lamp: N/A
Luminaire Lumens: 106.0 lumens
Efficiency: N/A
Efficacy: 36.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1335193

CATALOG NUMBER: P3A02R30B2750DE010 E3A301GPH_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1335193

CATALOG NUMBER: P3A02R30B2750DE010 E3A301GPH_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	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	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°	1096	1096	1096	1096	1096
5°	3324	2223	1035	462	374
10°	19260	4698	824	223	156
15°	62656	10670	568	45	23
20°	98032	16498	350	0	0
25°	107837	16114	194	0	0
30°	105333	11622	76	0	0
35°	101670	6612	27	0	0
40°	86705	2805	0	0	0
45°	50889	1054	31	0	31
50°	12349	205	34	34	102
55°	1070	0	76	115	153
60°	44	0	88	132	219
65°	52	52	156	156	259
70°	64	64	192	192	256
75°	0	85	254	254	254
80°	0	126	379	253	253
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 50889 cd/sqm

TEST NUMBER: P1335193

CATALOG NUMBER: P3A02R30B2750DE010 E3A301GPH_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.9
10°-20°	14.6	13.7
20°-30°	37.0	34.9
30°-40°	36.9	34.8
40°-50°	15.0	14.1
50°-60°	1.0	1.0
60°-70°	0.2	0.2
70°-80°	0.2	0.2
80°-90°	0.1	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°	52.5	49.5
0°-40°	89.4	84.3
0°-60°	105.4	99.4
0°-90°	106.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	106.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5	5	5	5	5	
5°	15	10	5	2	2	4
15°	276	47	2	0	0	80
25°	446	67	1	0	0	201
35°	380	25	0	0	0	233
45°	164	3	0	0	0	125
55°	3	0	0	0	0	7
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1335193

CATALOG NUMBER: P3A02R30B2750DE010 E3A301GPH_2700K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
2.5°	8.3	8.4	8.4	8.2	8.1	8.1	7.8	7.7	7.5	7.2	6.2
5°	15.1	14.8	14.4	14.4	13.6	13.1	12.4	11.6	11.0	10.1	7.2
7.5°	34.3	32.0	31.3	30.4	27.1	24.5	21.5	18.9	16.5	14.4	7.9
10°	86.5	81.9	78.2	70.5	60.9	51.7	43.2	33.3	26.5	21.1	8.5
12.5°	174.3	168.1	160.9	146.9	129.0	106.1	85.7	64.0	44.9	31.1	8.7
15°	276.0	265.6	254.3	236.5	207.2	174.3	137.5	103.0	72.2	47.0	8.5
17.5°	358.9	354.8	338.0	313.8	277.9	235.5	190.2	143.0	97.3	61.5	7.9
20°	420.1	417.3	397.0	371.3	330.8	282.2	224.7	168.0	114.9	70.7	7.1
22.5°	449.6	449.1	434.5	408.2	365.3	310.1	246.9	182.4	120.3	72.0	5.9
25°	445.7	447.5	439.2	419.6	378.4	321.7	253.5	182.4	116.3	66.6	4.9
27.5°	428.1	429.3	424.1	409.0	370.7	313.3	244.3	170.7	104.8	57.2	4.1
30°	416.0	416.5	410.0	393.9	353.2	294.4	222.6	149.0	87.4	45.9	3.0
32.5°	401.3	401.2	393.6	375.2	330.4	267.7	195.1	123.1	67.1	34.9	1.7
35°	379.8	377.4	367.1	345.9	296.3	231.9	159.9	93.8	48.3	24.7	1.1
37.5°	350.2	343.9	329.4	301.0	248.4	181.8	118.6	65.9	33.0	16.4	0.7
40°	302.9	296.2	276.4	242.0	187.9	130.9	79.9	42.9	20.8	9.8	0.4
42.5°	237.5	232.9	206.3	171.9	124.1	83.5	48.0	25.4	11.7	5.6	0.1
45°	164.1	158.2	137.3	108.1	74.5	46.3	26.9	13.3	6.7	3.4	0.0
47.5°	90.6	83.3	71.2	56.0	37.5	24.3	13.6	7.2	3.8	1.6	0.0
50°	36.2	35.9	28.6	20.3	14.3	11.0	6.8	3.9	1.9	0.6	0.1
52.5°	12.7	12.7	10.9	8.9	7.0	5.0	3.4	1.8	0.7	0.2	0.1
55°	2.8	3.1	2.9	2.7	2.6	2.2	1.5	0.7	0.2	0.0	0.1
57.5°	0.3	0.3	0.3	0.4	0.5	0.5	0.4	0.2	0.0	0.0	0.1
60°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2
62.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
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	0.1	0.3
75°	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.3
77.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P1335193

CATALOG NUMBER: P3A02R30B2750DE010 E3A301GPH_2700K

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	5.0	5.0	5.0	5.0	5.0
2.5°	5.0	4.0	3.3	2.9	2.8
5°	4.7	3.0	2.1	1.8	1.7
7.5°	4.3	2.2	1.5	1.2	1.1
10°	3.7	1.6	1.0	0.7	0.7
12.5°	3.1	1.3	0.6	0.3	0.2
15°	2.5	0.8	0.2	0.1	0.1
17.5°	1.9	0.5	0.0	0.0	0.0
20°	1.5	0.2	0.0	0.0	0.0
22.5°	1.2	0.1	0.0	0.0	0.0
25°	0.8	0.0	0.0	0.0	0.0
27.5°	0.5	0.0	0.0	0.0	0.0
30°	0.3	0.0	0.0	0.0	0.0
32.5°	0.1	0.0	0.0	0.0	0.0
35°	0.1	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.1	0.0	0.0	0.1	0.1
47.5°	0.1	0.1	0.1	0.2	0.2
50°	0.1	0.1	0.1	0.2	0.3
52.5°	0.2	0.1	0.2	0.3	0.3
55°	0.2	0.2	0.3	0.4	0.4
57.5°	0.2	0.2	0.3	0.4	0.4
60°	0.2	0.2	0.3	0.4	0.5
62.5°	0.3	0.3	0.3	0.4	0.4
65°	0.3	0.3	0.3	0.4	0.5
67.5°	0.3	0.3	0.3	0.4	0.5
70°	0.3	0.3	0.3	0.4	0.4
72.5°	0.4	0.3	0.3	0.4	0.4
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.2	0.3	0.3
80°	0.3	0.2	0.2	0.2	0.2
82.5°	0.3	0.2	0.2	0.2	0.2
85°	0.3	0.2	0.1	0.1	0.1
87.5°	0.3	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)