

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: P1335590

Luminaire Tested: P3A02R35B2750DE010 E3CA301MW_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335590
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R35B2750DE010 E3CA301MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

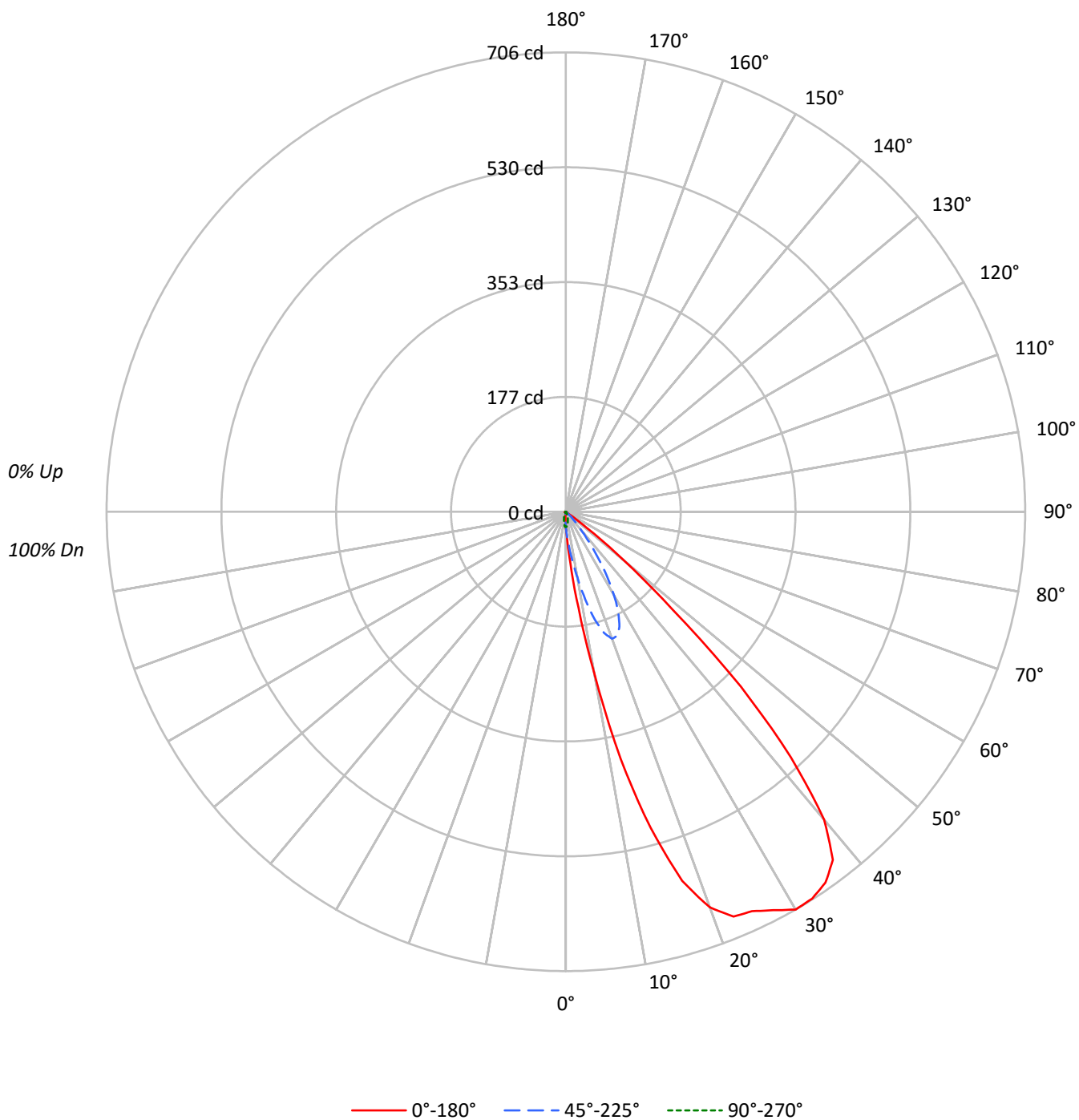
Lumens per Lamp: N/A
Luminaire Lumens: 222.0 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1335590

CATALOG NUMBER: P3A02R35B2750DE010 E3CA301MW_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1335590

CATALOG NUMBER: P3A02R35B2750DE010 E3CA301MW_3000K

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	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	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	46	42	51	46	42	41		
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5109	5109	5109	5109	5109
5°	17411	11314	4777	2025	1497
10°	56044	22934	3763	757	490
15°	114189	38911	2679	272	182
20°	151003	48468	1727	93	93
25°	163848	47108	968	48	97
30°	178736	37550	405	51	101
35°	186234	23370	107	54	107
40°	176731	10219	57	115	172
45°	117966	4093	62	186	310
50°	39572	682	136	273	409
55°	2217	76	153	382	535
60°	175	88	263	439	614
65°	208	104	311	519	726
70°	128	128	385	641	769
75°	169	169	508	678	847
80°	0	253	758	758	758
85°	0	503	1510	503	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 117966 cd/sqm

TEST NUMBER: P1335590

CATALOG NUMBER: P3A02R35B2750DE010 E3CA301MW_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	1.8
10°-20°	31.9	14.4
20°-30°	67.3	30.3
30°-40°	76.4	34.4
40°-50°	37.6	16.9
50°-60°	3.3	1.5
60°-70°	0.7	0.3
70°-80°	0.6	0.3
80°-90°	0.3	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°	103.2	46.5
0°-40°	179.6	80.9
0°-60°	220.4	99.3
0°-90°	222.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	222.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	23	23	23	23	23	
5°	79	51	22	9	7	13
15°	503	171	12	1	1	143
25°	677	195	4	0	0	315
35°	696	87	0	0	0	429
45°	380	13	0	1	1	281
55°	6	0	0	1	1	23
65°	0	0	1	1	1	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1335590

CATALOG NUMBER: P3A02R35B2750DE010 E3CA301MW_3000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
2.5°	40.5	41.5	41.1	40.9	40.7	39.9	38.1	37.9	36.1	34.9	28.9
5°	79.1	77.5	77.9	75.7	72.9	69.0	66.4	60.8	56.2	51.4	33.7
7.5°	149.1	146.9	142.7	136.3	129.7	121.2	108.2	97.8	85.9	74.5	37.5
10°	251.7	250.5	245.1	228.8	214.4	191.5	170.0	147.3	124.9	103.0	40.1
12.5°	388.8	380.6	370.9	349.1	320.8	292.1	249.7	210.4	174.8	138.1	40.3
15°	503.0	497.8	484.1	455.8	421.7	380.2	329.8	277.0	223.2	171.4	38.3
17.5°	594.9	586.9	569.1	541.4	502.2	448.4	389.4	325.0	259.5	195.1	34.9
20°	647.1	642.9	629.3	601.6	558.8	500.0	432.8	357.9	282.2	207.7	30.5
22.5°	673.4	670.4	660.4	638.3	598.2	539.1	462.1	375.0	288.8	206.3	25.9
25°	677.2	676.4	667.8	651.1	617.6	559.0	474.9	378.2	283.4	194.7	21.5
27.5°	690.3	687.5	677.4	660.6	626.9	562.4	470.5	367.3	266.0	174.4	17.9
30°	705.9	703.9	693.7	676.4	636.5	559.2	455.0	343.0	238.3	148.3	13.4
32.5°	704.7	703.9	695.3	677.0	629.7	540.5	427.3	306.5	200.7	117.0	8.4
35°	695.7	692.9	682.1	653.8	591.1	492.2	374.6	257.1	158.8	87.3	5.4
37.5°	674.2	668.2	650.1	602.0	521.9	417.9	305.1	198.5	112.4	58.4	3.4
40°	617.4	609.8	573.3	515.3	431.4	329.2	227.0	136.5	74.1	35.7	1.4
42.5°	512.2	496.8	460.3	400.8	322.0	232.8	149.1	88.5	43.6	21.5	0.4
45°	380.4	368.7	330.4	276.4	211.0	149.3	90.3	47.8	24.1	13.2	0.2
47.5°	221.6	214.4	194.7	159.2	116.6	78.3	46.2	25.7	14.1	6.4	0.2
50°	116.0	107.0	92.1	69.7	51.4	36.1	22.5	13.8	7.0	2.0	0.2
52.5°	40.7	40.1	36.5	27.5	22.3	16.1	11.0	6.0	2.0	0.4	0.2
55°	5.8	5.8	5.4	6.0	6.4	5.8	3.8	1.6	0.4	0.2	0.2
57.5°	0.4	0.4	0.4	0.6	0.8	0.8	0.6	0.2	0.2	0.2	0.4
60°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
62.5°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
65°	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
77.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
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: P1335590

CATALOG NUMBER: P3A02R35B2750DE010 E3CA301MW_3000K

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	23.3	23.3	23.3	23.3	23.3
2.5°	23.1	18.5	14.7	13.0	12.4
5°	21.7	13.9	9.2	7.2	6.8
7.5°	19.3	10.0	5.6	4.0	3.8
10°	16.9	7.2	3.4	2.4	2.2
12.5°	14.1	5.0	2.2	1.4	1.2
15°	11.8	3.4	1.2	1.0	0.8
17.5°	9.4	2.2	0.8	0.6	0.8
20°	7.4	1.4	0.4	0.4	0.4
22.5°	5.6	0.8	0.4	0.4	0.4
25°	4.0	0.4	0.2	0.2	0.4
27.5°	2.8	0.2	0.2	0.2	0.4
30°	1.6	0.2	0.2	0.2	0.4
32.5°	0.8	0.2	0.2	0.4	0.4
35°	0.4	0.2	0.2	0.4	0.4
37.5°	0.2	0.2	0.2	0.4	0.6
40°	0.2	0.2	0.4	0.6	0.6
42.5°	0.2	0.2	0.4	0.6	0.8
45°	0.2	0.4	0.6	0.8	1.0
47.5°	0.4	0.4	0.8	1.0	1.2
50°	0.4	0.6	0.8	1.2	1.2
52.5°	0.4	0.6	1.0	1.2	1.4
55°	0.4	0.8	1.0	1.4	1.4
57.5°	0.6	0.8	1.0	1.4	1.4
60°	0.6	0.8	1.0	1.4	1.4
62.5°	0.6	0.8	1.0	1.4	1.4
65°	0.6	0.8	1.0	1.4	1.4
67.5°	0.6	0.8	1.0	1.2	1.4
70°	0.6	0.8	1.0	1.2	1.2
72.5°	0.8	0.8	1.0	1.2	1.2
75°	0.6	0.8	0.8	1.0	1.0
77.5°	0.6	0.6	0.6	0.8	0.8
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.4	0.4	0.6	0.6
85°	0.6	0.4	0.2	0.4	0.4
87.5°	0.4	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)