

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: P1335927

Luminaire Tested: P3A02R40B2750DE010 E3CA301MW_3500K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335927
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R40B2750DE010 E3CA301MW_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 3500K CCT AND, 80CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

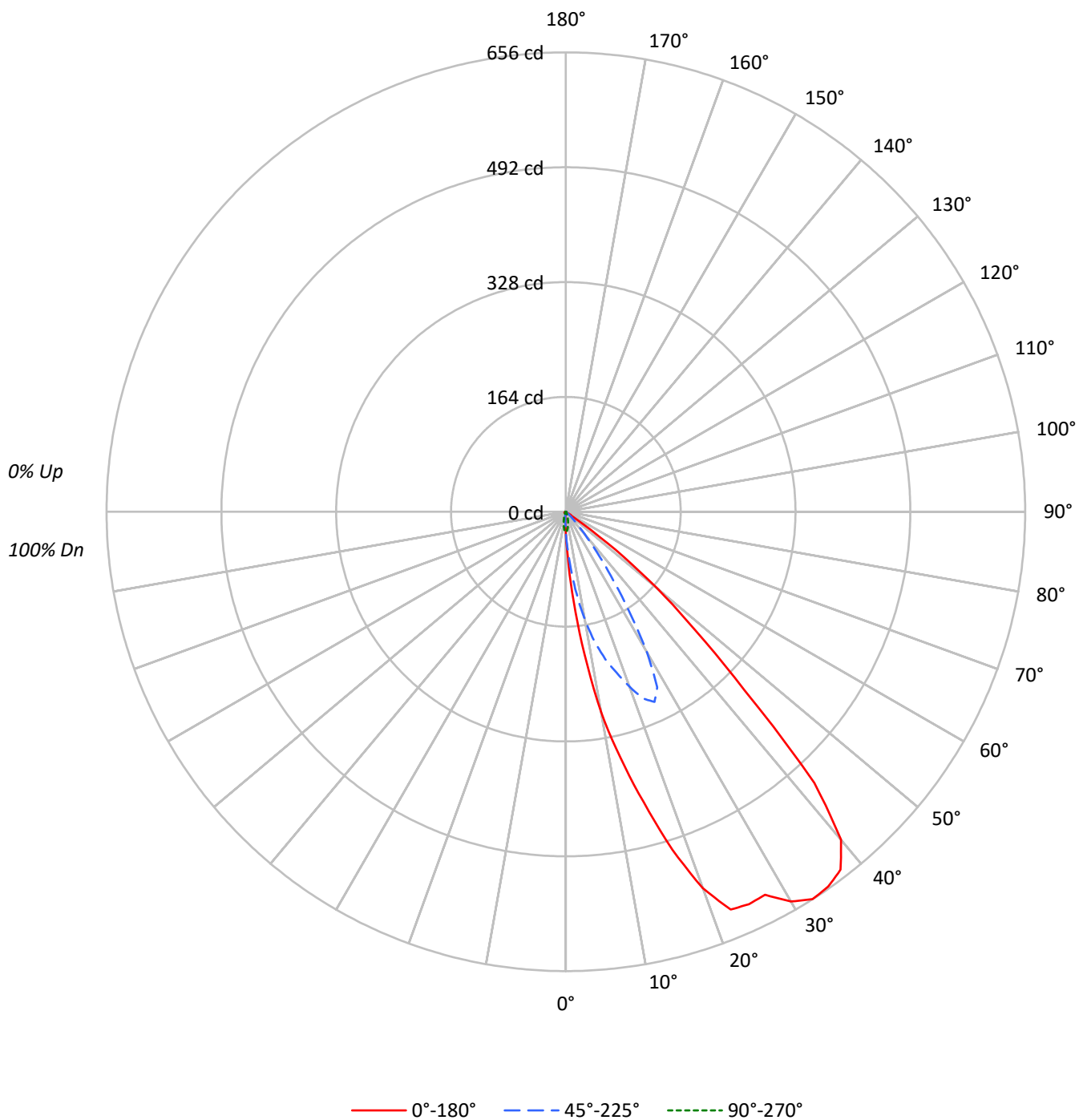
Lumens per Lamp: N/A
Luminaire Lumens: 241.9 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1335927

CATALOG NUMBER: P3A02R40B2750DE010 E3CA301MW_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1335927

CATALOG NUMBER: P3A02R40B2750DE010 E3CA301MW_3500K

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	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	71	90	82	76	71	80	74	70	78	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	80	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54		
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6271	6271	6271	6271	6271
5°	28329	18050	5635	2157	1585
10°	64951	34891	3963	779	601
15°	97458	49490	2452	409	363
20°	133455	62049	1423	233	280
25°	149597	72488	750	194	242
30°	162709	58515	304	152	253
35°	174883	29955	107	214	321
40°	174928	11937	57	229	401
45°	111702	4000	124	372	558
50°	57994	478	205	478	682
55°	5008	76	229	612	841
60°	175	88	263	702	965
65°	208	104	415	726	1038
70°	128	128	513	769	1026
75°	169	169	508	847	1186
80°	253	253	758	758	1010
85°	0	503	1510	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 111702 cd/sqm

TEST NUMBER: P1335927

CATALOG NUMBER: P3A02R40B2750DE010 E3CA301MW_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	2.3
10°-20°	32.8	13.5
20°-30°	71.7	29.7
30°-40°	81.7	33.8
40°-50°	43.1	17.8
50°-60°	5.1	2.1
60°-70°	0.9	0.4
70°-80°	0.7	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°	110.1	45.5
0°-40°	191.8	79.3
0°-60°	239.9	99.2
0°-90°	241.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	241.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	29	29	29	29	29	
5°	129	82	26	10	7	17
15°	429	218	11	2	2	126
25°	618	300	3	1	1	285
35°	653	112	0	1	1	405
45°	360	13	0	1	2	290
55°	13	0	1	2	2	41
65°	0	0	1	1	2	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1335927

CATALOG NUMBER: P3A02R40B2750DE010 E3CA301MW_3500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
2.5°	63.8	63.8	63.6	61.8	61.6	61.4	58.1	57.3	53.4	50.7	38.7
5°	128.7	125.8	125.6	122.3	116.8	109.4	104.7	97.2	89.8	82.0	47.7
7.5°	204.9	207.4	200.6	197.2	184.9	176.1	162.6	150.7	134.2	118.6	55.0
10°	291.7	287.4	280.6	273.9	260.6	244.8	224.8	203.7	179.8	156.7	59.1
12.5°	359.4	353.8	349.8	340.5	327.5	307.2	283.3	255.1	223.4	190.0	58.9
15°	429.3	423.8	414.6	406.4	387.0	364.3	338.3	301.1	262.2	218.0	54.6
17.5°	506.2	499.1	488.8	476.4	457.5	432.4	399.5	354.0	299.0	240.9	46.8
20°	571.9	567.6	557.4	542.6	524.2	499.7	461.6	411.3	344.2	265.9	37.2
22.5°	614.8	610.9	604.0	591.1	577.2	551.0	516.2	461.0	382.1	288.6	28.2
25°	618.3	616.7	614.8	610.5	602.1	583.5	549.6	490.1	405.6	299.6	20.9
27.5°	616.5	615.9	615.4	613.2	607.7	589.3	554.5	494.4	402.5	282.5	15.3
30°	642.6	640.8	639.8	632.4	617.9	589.5	544.1	471.2	357.7	231.1	11.0
32.5°	655.9	655.5	654.5	647.4	626.9	589.9	526.5	415.4	283.7	166.9	7.6
35°	653.3	651.2	647.6	634.3	605.8	559.4	469.6	331.8	204.7	111.9	4.9
37.5°	644.3	639.6	632.4	608.5	570.7	507.2	380.8	244.2	139.3	72.4	2.9
40°	611.1	604.8	593.6	564.3	514.6	418.1	281.6	165.1	91.4	41.7	0.8
42.5°	525.4	517.3	509.1	476.4	419.5	311.7	185.3	102.1	52.2	22.9	0.2
45°	360.2	350.0	338.7	315.0	269.4	188.8	110.2	57.5	27.0	12.9	0.2
47.5°	250.1	245.4	225.8	195.5	149.9	100.0	57.1	28.2	14.3	5.9	0.2
50°	170.0	164.6	141.7	112.5	79.8	47.9	26.2	14.1	6.3	1.4	0.2
52.5°	89.2	82.6	68.1	52.0	32.3	20.0	11.5	6.1	1.8	0.2	0.2
55°	13.1	12.1	9.8	8.0	7.2	5.5	3.3	1.4	0.2	0.2	0.4
57.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.4	0.2	0.2	0.2	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
62.5°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
65°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4	0.6
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	0.4	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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.6
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: P1335927

CATALOG NUMBER: P3A02R40B2750DE010 E3CA301MW_3500K

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	28.6	28.6	28.6	28.6	28.6
2.5°	28.2	20.9	16.2	13.9	13.7
5°	25.6	14.9	9.8	7.6	7.2
7.5°	21.7	10.4	5.7	4.1	3.9
10°	17.8	7.2	3.5	2.9	2.7
12.5°	14.1	4.7	2.5	2.2	2.0
15°	10.8	3.1	1.8	1.6	1.6
17.5°	8.2	2.0	1.4	1.4	1.4
20°	6.1	1.4	1.0	1.2	1.2
22.5°	4.3	1.0	0.8	1.0	1.0
25°	3.1	0.8	0.8	1.0	1.0
27.5°	2.0	0.6	0.6	0.8	1.0
30°	1.2	0.4	0.6	0.8	1.0
32.5°	0.6	0.4	0.6	1.0	1.0
35°	0.4	0.6	0.8	1.0	1.2
37.5°	0.2	0.6	0.8	1.2	1.2
40°	0.2	0.6	0.8	1.2	1.4
42.5°	0.4	0.8	1.0	1.4	1.6
45°	0.4	0.8	1.2	1.6	1.8
47.5°	0.4	0.8	1.4	1.8	1.8
50°	0.6	1.0	1.4	1.8	2.0
52.5°	0.6	1.0	1.4	2.0	2.2
55°	0.6	1.0	1.6	2.0	2.2
57.5°	0.6	1.2	1.6	2.0	2.2
60°	0.6	1.0	1.6	2.0	2.2
62.5°	0.8	1.0	1.4	2.0	2.0
65°	0.8	1.0	1.4	2.0	2.0
67.5°	0.8	1.0	1.4	1.8	1.8
70°	0.8	1.0	1.2	1.6	1.6
72.5°	0.8	1.0	1.2	1.4	1.6
75°	0.6	0.8	1.0	1.2	1.4
77.5°	0.6	0.8	0.8	1.2	1.2
80°	0.6	0.6	0.6	0.8	0.8
82.5°	0.6	0.6	0.4	0.6	0.6
85°	0.6	0.4	0.4	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)