

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: P1337588

Luminaire Tested: P3A05R25B2750DE010 E3CA301MW_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337588
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R25B2750DE010 E3CA301MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

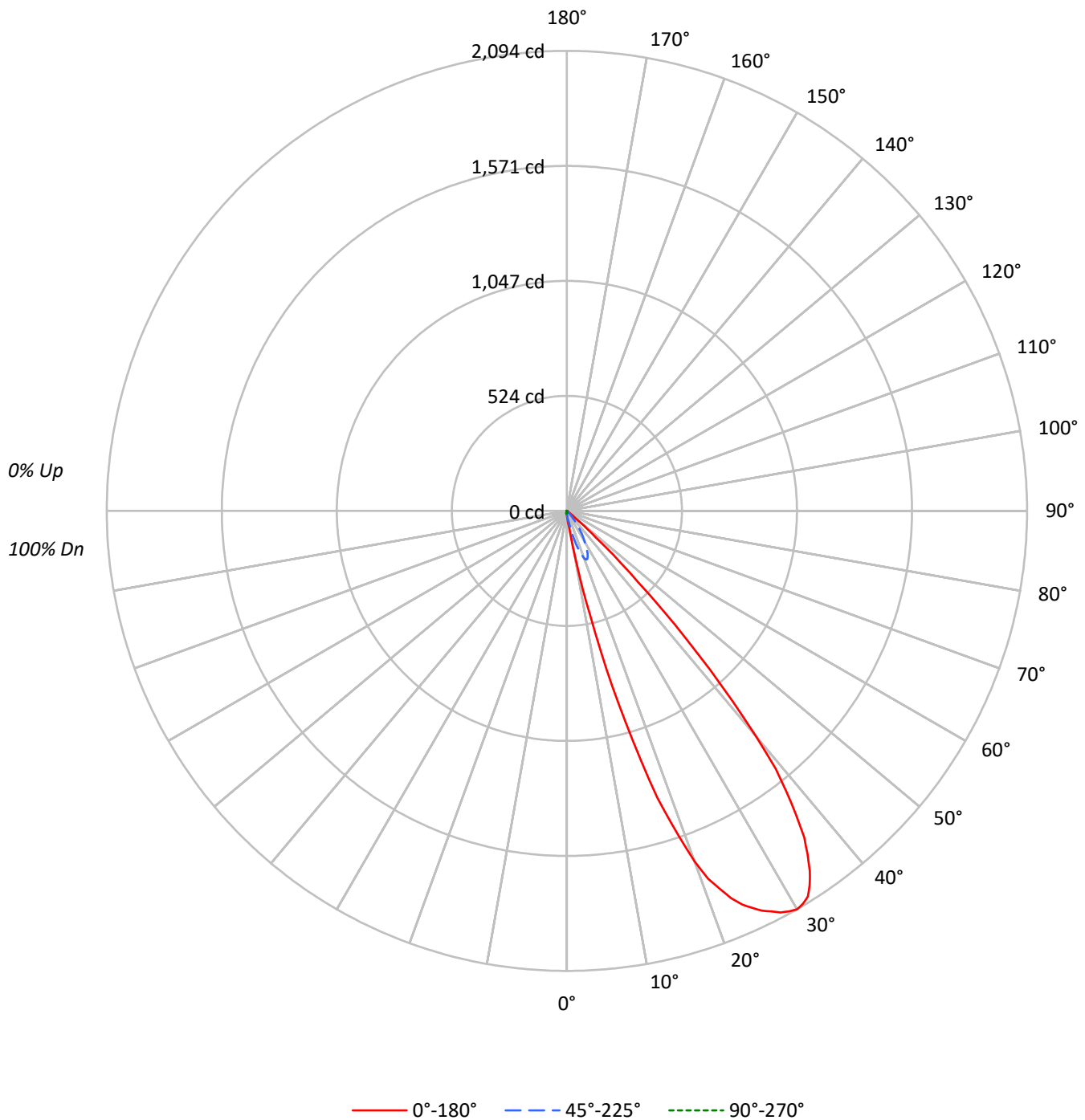
Lumens per Lamp: N/A
Luminaire Lumens: 419.1 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	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	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	88	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	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55			
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50			
8	71	60	52	48	69	59	52	47	58	52	47	57	51	47	56	50	47	45			
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3947	3947	3947	3947	3947
5°	9905	7308	3698	1893	1453
10°	43264	12447	3050	868	601
15°	205722	33553	2134	363	272
20°	396001	53741	1377	93	93
25°	482302	54197	750	0	0
30°	530259	41475	304	0	0
35°	510998	26368	107	0	0
40°	381830	11421	0	0	115
45°	141348	3039	124	124	372
50°	16682	409	273	273	546
55°	1644	0	306	459	765
60°	175	0	526	702	877
65°	208	208	830	1038	1193
70°	256	256	1026	1026	1475
75°	339	339	1017	1017	1356
80°	0	505	1515	1010	1515
85°	0	1006	3019	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 141348 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.6
10°-20°	48.8	11.7
20°-30°	153.3	36.6
30°-40°	161.4	38.5
40°-50°	47.4	11.3
50°-60°	2.6	0.6
60°-70°	1.2	0.3
70°-80°	1.1	0.3
80°-90°	0.6	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°	204.8	48.9
0°-40°	366.2	87.4
0°-60°	416.2	99.3
0°-90°	419.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	419.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	18	18	18	18	18	
5°	45	33	17	9	7	8
15°	906	148	9	2	1	286
25°	1993	224	3	0	0	914
35°	1909	98	0	0	0	1152
45°	456	10	0	0	1	414
55°	4	0	1	1	2	11
65°	0	0	2	2	2	0
75°	0	0	1	1	2	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2.5°	27.8	28.1	27.0	27.8	27.0	26.6	26.2	24.2	21.1	18.0	14.9
5°	45.0	45.0	43.0	42.6	41.8	40.3	38.7	33.2	23.8	16.8	11.7
7.5°	70.4	70.0	69.2	67.2	63.3	59.4	55.5	43.4	26.2	15.6	9.0
10°	194.3	191.6	188.0	166.9	143.1	122.0	103.6	55.9	28.1	13.7	6.6
12.5°	482.8	467.2	430.0	387.8	333.9	277.2	221.7	91.1	28.9	11.3	4.7
15°	906.2	873.7	815.9	731.4	621.2	497.3	391.7	147.8	28.1	9.4	3.5
17.5°	1368.3	1337.0	1256.8	1128.6	966.4	776.0	589.1	195.9	26.2	7.8	2.3
20°	1697.0	1663.8	1588.7	1452.7	1277.2	1023.5	775.6	230.3	24.6	5.9	1.2
21°	1793.2	1760.0	1680.6	1549.3	1364.7	1110.2	835.4	236.1	23.5	5.1	0.8
22°	1854.2	1834.6	1749.4	1622.0	1433.9	1179.8	886.6	238.9	22.7	4.7	0.8
23°	1915.6	1886.2	1806.5	1672.0	1486.7	1231.4	924.6	236.9	21.9	3.9	0.4
24°	1960.9	1936.3	1843.6	1710.7	1523.5	1263.1	946.8	231.8	20.7	3.5	0.4
25°	1993.4	1970.7	1874.1	1736.9	1548.1	1280.3	953.9	224.0	19.5	3.1	0.4
26°	2024.2	1999.6	1899.5	1752.2	1561.0	1285.8	947.2	215.4	18.4	2.7	0.0
27°	2046.5	2021.5	1917.1	1761.2	1561.8	1279.1	929.2	203.7	17.2	2.3	0.0
28°	2070.4	2041.4	1929.3	1766.2	1557.1	1263.5	903.4	191.2	16.4	2.0	0.0
29°	2084.8	2057.5	1941.8	1771.7	1547.3	1237.3	865.9	176.3	14.5	1.2	0.0
30°	2094.2	2061.8	1940.6	1765.8	1534.4	1209.2	821.0	163.8	12.5	1.2	0.0
31°	2086.4	2052.4	1928.1	1749.4	1513.7	1172.4	774.8	148.2	10.2	0.8	0.0
32°	2069.6	2029.3	1906.2	1720.9	1476.6	1125.1	727.1	135.3	7.4	0.8	0.0
33°	2028.5	1994.5	1866.7	1682.6	1428.1	1061.0	665.0	122.8	5.1	0.4	0.0
34°	1976.9	1942.9	1812.8	1631.4	1363.2	978.1	589.5	109.9	4.3	0.4	0.0
35°	1908.9	1875.3	1751.8	1559.8	1277.2	878.4	511.7	98.5	3.5	0.4	0.0
36°	1837.4	1792.8	1674.8	1483.6	1161.9	765.1	428.5	85.6	2.7	0.4	0.0
37°	1732.2	1702.1	1571.2	1367.5	1037.1	656.4	367.9	73.9	2.0	0.4	0.0
38°	1623.2	1595.4	1467.6	1250.6	898.0	548.9	308.1	62.5	1.6	0.0	0.0
39°	1510.6	1464.4	1338.2	1100.9	752.2	459.7	259.2	52.4	0.8	0.0	0.0
40°	1333.9	1298.7	1163.8	921.0	622.4	372.6	220.9	39.9	0.8	0.0	0.0
42.5°	884.3	851.5	709.9	499.6	330.7	217.7	145.8	15.6	0.0	0.4	0.0
45°	455.8	435.1	353.4	261.5	187.6	133.7	93.8	9.8	0.0	0.4	0.4
47.5°	181.0	177.5	160.3	138.4	106.7	79.4	51.2	4.3	0.0	0.4	0.4
50°	48.9	49.3	46.1	42.6	38.7	36.4	21.5	1.2	0.0	0.8	0.4
52.5°	20.7	21.1	20.3	19.2	17.2	12.9	8.6	0.4	0.4	0.8	0.8
55°	4.3	4.7	5.1	5.5	6.3	5.5	3.5	0.0	0.4	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	1.2	1.2	0.8	0.0	0.4	0.8	1.2
60°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.8	1.2	1.2
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.2	1.6
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.6	1.6
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.6	1.6
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.6	1.6
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.6	1.2
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8	1.2	0.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8	1.2	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.8
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):

	135°	157.5°	180°
0°	18.0	18.0	18.0
2.5°	12.5	11.3	10.9
5°	8.6	7.4	6.6
7.5°	5.9	4.7	4.3
10°	3.9	3.1	2.7
12.5°	2.7	1.6	1.6
15°	1.6	1.2	1.2
17.5°	0.8	0.4	0.4
20°	0.4	0.4	0.4
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.4
39°	0.0	0.4	0.4
40°	0.0	0.4	0.4
42.5°	0.0	0.4	0.8
45°	0.4	0.8	1.2
47.5°	0.8	1.2	1.6
50°	0.8	1.6	1.6
52.5°	1.2	1.6	2.0
55°	1.2	2.0	2.0
57.5°	1.6	2.0	2.3
60°	1.6	2.0	2.0
62.5°	1.6	2.3	2.3
65°	2.0	2.3	2.3
67.5°	2.0	2.3	2.3
70°	1.6	2.0	2.3
72.5°	1.6	2.0	2.0
75°	1.2	1.6	1.6
77.5°	1.2	1.2	1.6
80°	0.8	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.8	0.8	0.8
85°	0.4	0.4	0.4
87.5°	0.4	0.4	0.4
90°	0.0	0.0	0.0

(END OF REPORT)