

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: P1337590

Luminaire Tested: P3A05R25B2750DE010 E3CA301MW_4000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337590
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_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 80CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

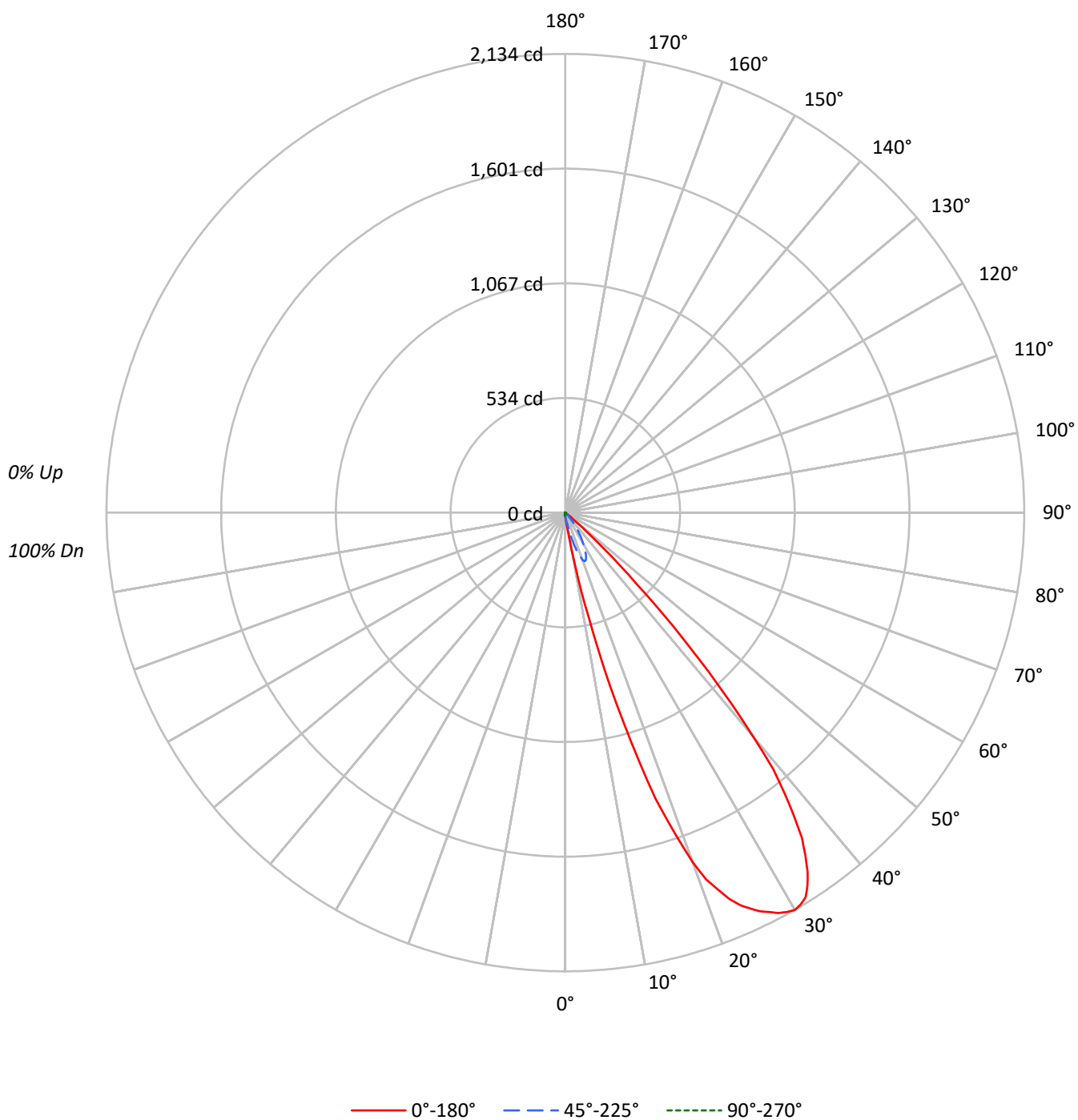
Lumens per Lamp: N/A
Luminaire Lumens: 427.0 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4013	4013	4013	4013	4013
5°	10081	7462	3764	1937	1497
10°	44087	12692	3095	891	623
15°	209649	34189	2179	363	272
20°	403562	54768	1400	93	93
25°	491496	55237	774	0	0
30°	540387	42260	304	0	0
35°	520769	26876	107	0	0
40°	389100	11622	0	0	115
45°	144046	3101	124	124	372
50°	16989	409	273	273	546
55°	1682	0	306	459	765
60°	175	0	526	702	877
65°	208	208	830	1038	1245
70°	256	256	1026	1026	1539
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: 144046 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.6
10°-20°	49.8	11.7
20°-30°	156.3	36.6
30°-40°	164.5	38.5
40°-50°	48.3	11.3
50°-60°	2.6	0.6
60°-70°	1.3	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°	208.7	48.9
0°-40°	373.2	87.4
0°-60°	424.1	99.3
0°-90°	427.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	427.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	18	18	18	18	18	
5°	46	34	17	9	7	8
15°	924	151	10	2	1	291
25°	2031	228	3	0	0	932
35°	1945	100	0	0	0	1174
45°	464	10	0	0	1	422
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°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
2.5°	28.3	28.7	27.5	28.3	27.5	27.1	26.7	24.7	21.5	18.3	15.1
5°	45.8	45.8	43.8	43.4	42.6	41.0	39.4	33.9	24.3	17.1	12.0
7.5°	71.7	71.3	70.5	68.5	64.5	60.6	56.6	44.2	26.7	15.9	9.2
10°	198.0	195.2	191.6	170.1	145.8	124.3	105.6	57.0	28.7	13.9	6.8
12.5°	492.0	476.1	438.2	395.2	340.2	282.5	225.9	92.8	29.5	11.6	4.8
15°	923.5	890.4	831.5	745.4	633.1	506.8	399.2	150.6	28.7	9.6	3.6
17.5°	1394.4	1362.5	1280.8	1150.2	984.8	790.8	600.4	199.6	26.7	8.0	2.4
20°	1729.4	1695.6	1619.1	1480.4	1301.6	1043.0	790.4	234.7	25.1	6.0	1.2
21°	1827.4	1793.6	1712.7	1578.8	1390.8	1131.4	851.4	240.6	23.9	5.2	0.8
22°	1889.6	1869.7	1782.8	1652.9	1461.3	1202.4	903.6	243.4	23.1	4.8	0.8
23°	1952.1	1922.3	1841.0	1703.9	1515.1	1254.9	942.2	241.4	22.3	4.0	0.4
24°	1998.4	1973.3	1878.8	1743.4	1552.6	1287.2	964.9	236.2	21.1	3.6	0.4
25°	2031.4	2008.3	1909.9	1770.1	1577.6	1304.7	972.1	228.3	19.9	3.2	0.4
26°	2062.9	2037.8	1935.8	1785.6	1590.8	1310.3	965.3	219.5	18.7	2.8	0.0
27°	2085.6	2060.1	1953.7	1794.8	1591.6	1303.6	947.0	207.6	17.5	2.4	0.0
28°	2109.9	2080.4	1966.1	1800.0	1586.8	1287.6	920.7	194.8	16.7	2.0	0.0
29°	2124.6	2096.8	1978.8	1805.5	1576.9	1260.9	882.4	179.7	14.7	1.2	0.0
30°	2134.2	2101.1	1977.6	1799.6	1563.7	1232.2	836.6	166.9	12.7	1.2	0.0
31°	2126.2	2091.6	1964.9	1782.8	1542.6	1194.8	789.6	151.0	10.4	0.8	0.0
32°	2109.1	2068.1	1942.6	1753.7	1504.7	1146.6	741.0	137.8	7.6	0.8	0.0
33°	2067.3	2032.6	1902.3	1714.7	1455.3	1081.2	677.7	125.1	5.2	0.4	0.0
34°	2014.7	1980.0	1847.4	1662.5	1389.2	996.8	600.8	111.9	4.4	0.4	0.0
35°	1945.4	1911.1	1785.2	1589.6	1301.6	895.2	521.5	100.4	3.6	0.4	0.0
36°	1872.5	1827.0	1706.7	1511.9	1184.0	779.7	436.6	87.2	2.8	0.4	0.0
37°	1765.3	1734.6	1601.2	1393.6	1056.9	668.9	374.9	75.3	2.0	0.4	0.0
38°	1654.1	1625.9	1495.6	1274.5	915.1	559.3	313.9	63.7	1.6	0.0	0.0
39°	1539.4	1492.4	1363.7	1121.9	766.5	468.5	264.1	53.4	0.8	0.0	0.0
40°	1359.3	1323.5	1186.0	938.6	634.2	379.7	225.1	40.6	0.8	0.0	0.0
42.5°	901.2	867.7	723.5	509.2	337.0	221.9	148.6	15.9	0.0	0.4	0.0
45°	464.5	443.4	360.2	266.5	191.2	136.3	95.6	10.0	0.0	0.4	0.4
47.5°	184.5	180.9	163.3	141.0	108.8	80.9	52.2	4.4	0.0	0.4	0.4
50°	49.8	50.2	47.0	43.4	39.4	37.1	21.9	1.2	0.0	0.8	0.4
52.5°	21.1	21.5	20.7	19.5	17.5	13.1	8.8	0.4	0.4	0.8	0.8
55°	4.4	4.8	5.2	5.6	6.4	5.6	3.6	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°	18.3	18.3	18.3
2.5°	12.7	11.6	11.2
5°	8.8	7.6	6.8
7.5°	6.0	4.8	4.4
10°	4.0	3.2	2.8
12.5°	2.8	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	2.4
60°	1.6	2.0	2.0
62.5°	1.6	2.4	2.4
65°	2.0	2.4	2.4
67.5°	2.0	2.4	2.4
70°	1.6	2.0	2.4
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)