

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: P1337589

Luminaire Tested: P3A05R25B2750DE010 E3CA301MW_3500K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337589
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_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 80CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

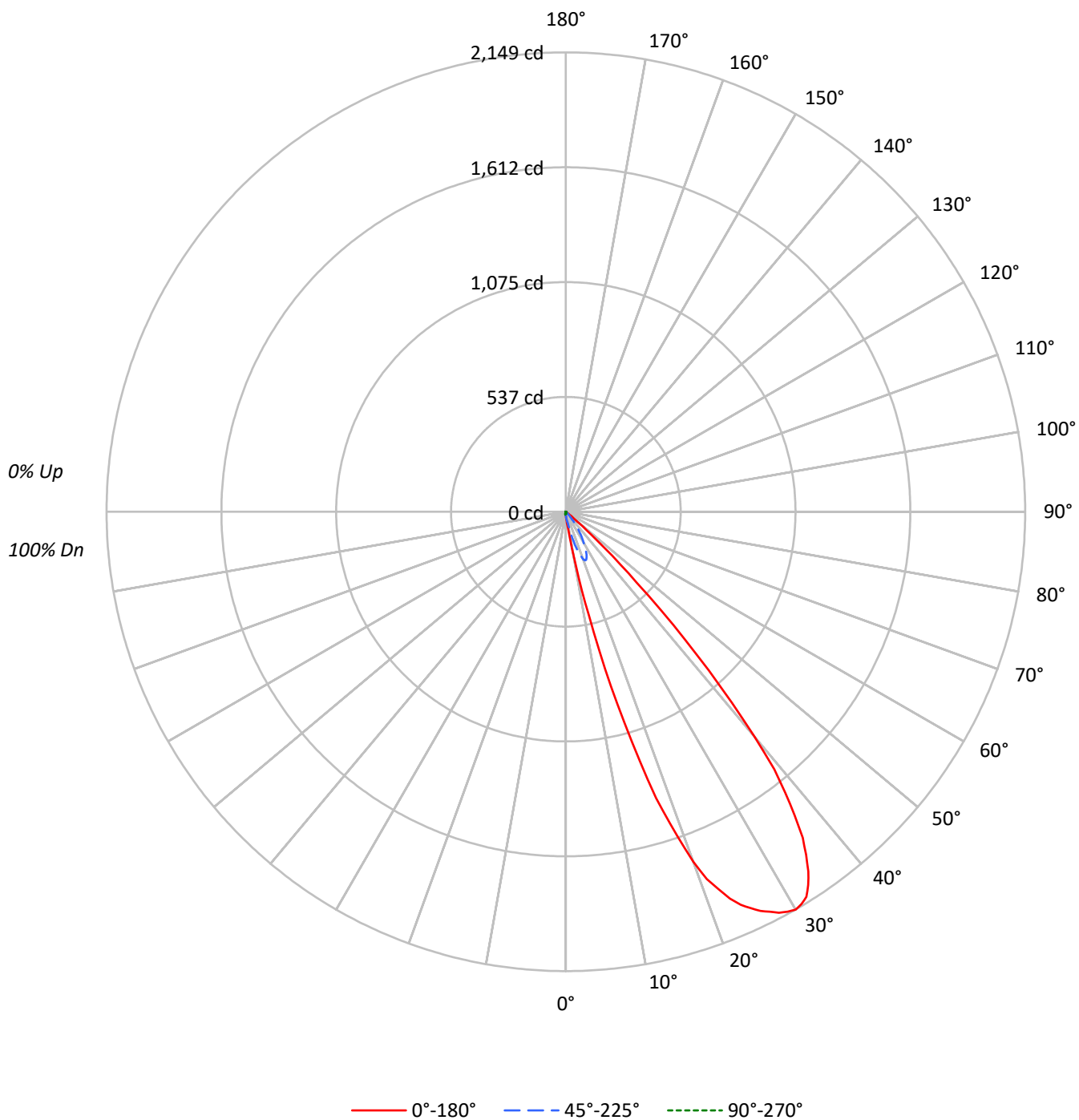
Lumens per Lamp: N/A
Luminaire Lumens: 430.0 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	104	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°	4057	4057	4057	4057	4057
5°	10147	7506	3808	1937	1497
10°	44399	12781	3117	891	623
15°	211125	34438	2179	363	272
20°	406409	55141	1400	93	93
25°	494956	55624	774	0	0
30°	544185	42564	304	0	0
35°	524409	27064	107	0	0
40°	391848	11708	0	0	115
45°	145069	3101	124	124	372
50°	17091	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: 145069 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.6
10°-20°	50.1	11.7
20°-30°	157.4	36.6
30°-40°	165.6	38.5
40°-50°	48.7	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°	210.2	48.9
0°-40°	375.8	87.4
0°-60°	427.1	99.3
0°-90°	430.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	430.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	18	18	18	18	18	
5°	46	34	17	9	7	8
15°	930	152	10	2	1	293
25°	2046	230	3	0	0	938
35°	1959	101	0	0	0	1182
45°	468	10	0	0	1	425
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°	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
2.5°	28.5	28.9	27.7	28.5	27.7	27.3	26.9	24.9	21.7	18.5	15.2
5°	46.1	46.1	44.1	43.7	42.9	41.3	39.7	34.1	24.5	17.3	12.0
7.5°	72.2	71.8	71.0	69.0	65.0	61.0	57.0	44.5	26.9	16.0	9.2
10°	199.4	196.6	193.0	171.3	146.8	125.2	106.3	57.4	28.9	14.0	6.8
12.5°	495.5	479.4	441.3	398.0	342.6	284.4	227.5	93.5	29.7	11.6	4.8
15°	930.0	896.7	837.3	750.6	637.5	510.3	402.0	151.7	28.9	9.6	3.6
17.5°	1404.2	1372.1	1289.8	1158.3	991.8	796.4	604.6	201.0	26.9	8.0	2.4
20°	1741.6	1707.5	1630.5	1490.8	1310.7	1050.3	796.0	236.3	25.3	6.0	1.2
21°	1840.3	1806.2	1724.7	1589.9	1400.6	1139.4	857.4	242.3	24.1	5.2	0.8
22°	1902.9	1882.8	1795.3	1664.6	1471.6	1210.8	909.9	245.1	23.3	4.8	0.8
23°	1965.9	1935.8	1853.9	1715.9	1525.7	1263.8	948.8	243.1	22.5	4.0	0.4
24°	2012.4	1987.1	1892.0	1755.6	1563.5	1296.3	971.7	237.9	21.3	3.6	0.4
25°	2045.7	2022.4	1923.3	1782.5	1588.7	1313.9	978.9	229.9	20.1	3.2	0.4
26°	2077.4	2052.1	1949.4	1798.2	1602.0	1319.5	972.1	221.1	18.9	2.8	0.0
27°	2100.3	2074.6	1967.5	1807.4	1602.8	1312.7	953.6	209.0	17.7	2.4	0.0
28°	2124.7	2095.0	1979.9	1812.6	1598.0	1296.7	927.2	196.2	16.9	2.0	0.0
29°	2139.6	2111.5	1992.7	1818.2	1587.9	1269.8	888.6	180.9	14.8	1.2	0.0
30°	2149.2	2115.9	1991.5	1812.2	1574.7	1240.9	842.5	168.1	12.8	1.2	0.0
31°	2141.2	2106.3	1978.7	1795.3	1553.4	1203.2	795.2	152.1	10.4	0.8	0.0
32°	2123.9	2082.6	1956.2	1766.1	1515.3	1154.6	746.2	138.8	7.6	0.8	0.0
33°	2081.8	2046.9	1915.7	1726.7	1465.6	1088.8	682.4	126.0	5.2	0.4	0.0
34°	2028.8	1993.9	1860.3	1674.2	1399.0	1003.8	605.0	112.7	4.4	0.4	0.0
35°	1959.0	1924.5	1797.8	1600.8	1310.7	901.5	525.2	101.1	3.6	0.4	0.0
36°	1885.6	1839.9	1718.7	1522.5	1192.4	785.1	439.7	87.9	2.8	0.4	0.0
37°	1777.7	1746.8	1612.4	1403.4	1064.4	673.6	377.5	75.8	2.0	0.4	0.0
38°	1665.8	1637.3	1506.1	1283.4	921.5	563.3	316.1	64.2	1.6	0.0	0.0
39°	1550.2	1502.9	1373.3	1129.8	771.9	471.8	266.0	53.8	0.8	0.0	0.0
40°	1368.9	1332.8	1194.4	945.2	638.7	382.3	226.7	40.9	0.8	0.0	0.0
42.5°	907.5	873.8	728.6	512.7	339.4	223.5	149.6	16.0	0.0	0.4	0.0
45°	467.8	446.5	362.7	268.4	192.6	137.2	96.3	10.0	0.0	0.4	0.4
47.5°	185.8	182.1	164.5	142.0	109.5	81.4	52.6	4.4	0.0	0.4	0.4
50°	50.1	50.6	47.3	43.7	39.7	37.3	22.1	1.2	0.0	0.8	0.4
52.5°	21.3	21.7	20.9	19.7	17.7	13.2	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°	18.5	18.5	18.5
2.5°	12.8	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)