

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: P1337557

Luminaire Tested: P3A05R25B2750DE010 E3A451GPH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-75)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R25B2750DE010 E3A451GPH_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3A451GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

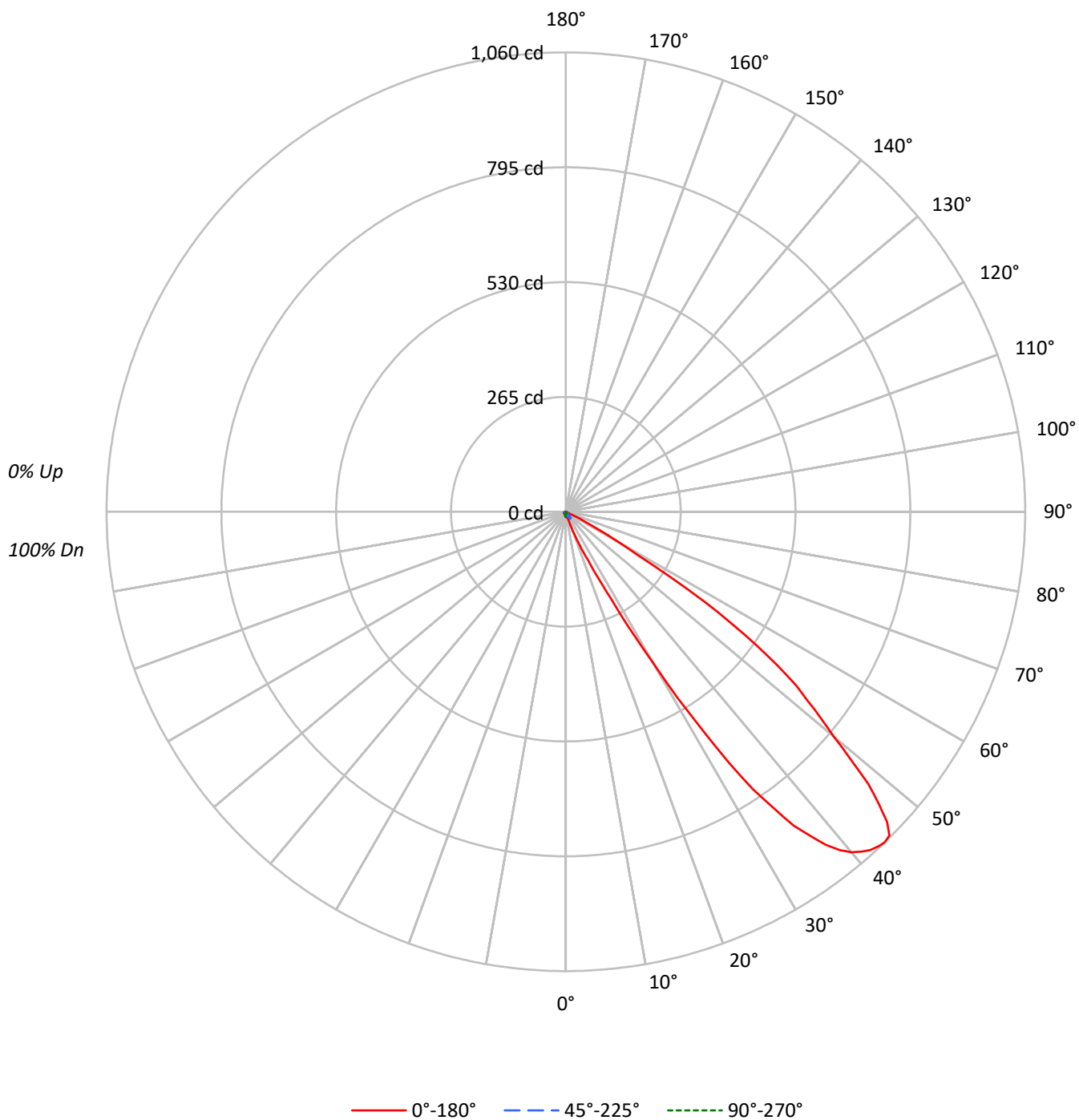
Lumens per Lamp: N/A
Luminaire Lumens: 221.1 lumens
Efficiency: N/A
Efficacy: 37.5 lumens/watt
Spacing Criteria (0/90/45): 3.65 / 0.6 / 1.37
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	100		
1	110	106	102	99	108	104	101	97	100	97	94	96	94	92	92	91	89	87		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61		
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51		
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42		
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35		
7	62	48	39	32	60	47	39	32	46	38	32	44	37	32	43	36	32	29		
8	57	43	34	27	55	42	33	27	40	33	27	39	32	27	38	32	27	25		
9	52	38	29	23	51	37	29	23	36	28	23	35	28	23	34	27	23	21		
10	48	34	25	20	47	33	25	20	32	25	20	31	24	19	30	24	19	17		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2478	2478	2478	2478	2478
5°	2818	2707	2399	2135	2091
10°	2806	2561	2026	1781	1781
15°	3133	2202	1589	1498	1589
20°	11084	2170	1237	1260	1400
25°	31865	2782	992	1186	1355
30°	101636	4279	785	1139	1367
35°	222613	5059	669	1098	1419
40°	293664	4551	544	1116	1517
45°	327476	3194	558	1209	1644
50°	275641	1672	546	1262	1808
55°	206100	688	535	1415	2026
60°	63811	175	526	1535	2237
65°	5448	0	623	1608	2439
70°	385	128	641	1859	2757
75°	339	169	847	1949	3135
80°	253	253	1263	2273	3662
85°	503	503	2013	2516	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 327476 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.5
10°-20°	2.6	1.2
20°-30°	12.2	5.5
30°-40°	58.9	26.6
40°-50°	92.3	41.7
50°-60°	47.3	21.4
60°-70°	4.5	2.0
70°-80°	1.5	0.7
80°-90°	0.8	0.3
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°	15.8	7.2
0°-40°	74.7	33.8
0°-60°	214.3	96.9
0°-90°	221.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	221.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	13	12	11	10	10	1
15°	14	10	7	7	7	6
25°	132	12	4	5	6	82
35°	832	19	2	4	5	505
45°	1056	10	2	4	5	773
55°	539	2	1	4	5	449
65°	10	0	1	3	5	33
75°	0	0	1	2	4	0
85°	0	0	1	1	2	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
2.5°	12.3	12.3	12.3	12.3	12.3	12.3	12.1	12.1	12.3	12.1	12.1
5°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.6	12.6	12.6	12.3
7.5°	13.0	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.6	12.6	12.1
10°	12.6	12.6	12.6	12.6	12.4	12.4	12.4	12.3	12.3	12.3	11.5
12.5°	12.6	12.6	12.6	12.6	12.4	12.4	12.3	12.3	12.1	11.9	10.5
15°	13.8	13.8	13.8	13.6	13.4	13.2	13.0	12.8	12.6	12.3	9.7
17.5°	20.2	19.6	19.4	18.7	17.7	16.7	15.9	15.2	14.4	13.8	9.3
20°	47.5	47.3	46.3	44.0	41.4	38.5	35.6	32.3	27.6	24.5	9.3
22.5°	82.3	81.1	79.3	77.6	73.1	67.9	62.4	56.2	50.2	43.8	9.9
25°	131.7	134.4	128.5	123.9	116.1	106.6	96.3	87.7	76.8	66.7	11.5
27.5°	228.9	230.6	219.2	204.0	185.9	165.9	146.4	131.9	113.6	96.8	14.4
30°	401.4	403.1	383.9	351.6	314.3	281.4	236.9	197.8	161.8	134.0	16.9
31°	501.0	487.4	465.0	433.7	386.4	336.8	283.3	236.1	190.6	154.0	17.7
32°	587.5	586.3	560.3	512.8	465.4	404.1	337.8	276.2	220.3	174.2	18.3
33°	689.6	681.8	645.1	600.3	537.5	475.9	390.3	319.9	250.9	196.8	18.7
34°	771.5	750.5	735.3	684.2	617.8	539.3	447.7	366.2	289.0	218.6	18.9
35°	831.6	827.1	797.5	749.9	682.4	602.1	509.5	414.2	320.9	243.9	18.9
36°	895.2	881.4	852.6	809.4	743.7	660.6	556.8	455.8	358.0	266.6	18.7
37°	935.0	926.9	898.3	853.7	789.4	710.0	609.7	499.8	387.6	289.4	18.3
38°	976.1	959.5	931.3	888.7	825.5	751.1	648.0	533.6	414.8	309.4	17.7
39°	1004.5	987.3	958.6	916.2	854.3	780.4	678.3	562.4	438.5	324.4	16.9
40°	1025.9	1009.3	980.2	936.6	875.5	803.6	703.6	587.9	458.4	337.4	15.9
41°	1039.1	1023.7	994.7	951.4	890.1	816.8	720.1	604.4	471.8	346.2	15.0
42°	1050.2	1034.4	1004.9	960.5	899.1	828.1	730.3	614.9	480.9	350.6	14.2
43°	1056.4	1040.6	1011.9	966.5	904.5	833.3	735.7	619.8	484.0	350.1	12.8
44°	1059.9	1043.6	1014.6	969.3	906.8	834.7	736.1	618.8	481.9	345.4	11.7
45°	1056.0	1039.9	1011.9	966.5	902.8	830.4	732.2	613.6	473.7	336.2	10.3
46°	1030.7	1018.3	992.6	951.0	889.9	819.5	722.3	603.5	461.1	325.0	8.8
47°	986.2	976.3	951.4	920.4	865.2	799.5	704.0	584.2	443.4	308.0	7.0
48°	939.7	925.1	902.0	870.3	823.6	763.5	673.9	556.0	416.6	285.9	6.2
49°	871.1	862.5	842.1	806.7	768.0	715.1	631.3	519.8	383.7	261.8	5.4
50°	808.0	802.2	773.6	747.6	706.5	657.1	573.5	472.2	342.9	231.8	4.9
51°	758.8	751.8	731.2	698.7	655.0	597.6	518.9	410.3	296.0	196.2	3.9
52°	707.5	703.6	685.3	651.9	608.9	551.7	465.8	357.8	250.5	165.9	3.1
53°	665.5	659.9	637.5	607.7	561.3	502.1	408.2	309.0	212.2	139.4	2.7
54°	604.2	601.9	587.5	556.4	506.0	441.7	356.1	260.2	177.0	118.2	2.3
55°	539.1	531.3	516.7	492.0	445.7	385.6	295.8	215.7	143.1	99.6	1.8
56°	459.7	459.3	433.3	412.7	371.6	307.9	236.3	168.4	116.3	83.0	1.6
57°	383.9	371.6	346.6	326.1	282.0	233.6	175.4	126.2	91.0	67.3	1.2
58°	283.9	277.5	270.9	241.0	200.1	165.5	125.2	88.7	67.3	51.3	0.8
59°	192.7	192.5	184.8	162.0	138.5	103.1	78.2	60.3	46.3	37.7	0.6
60°	145.5	142.0	126.4	111.4	87.1	65.1	46.3	35.6	28.8	24.3	0.4
62.5°	51.0	52.9	46.5	38.5	29.4	24.1	18.5	15.0	12.3	9.9	0.0
65°	10.5	11.5	9.9	9.3	7.4	6.4	5.6	4.9	4.1	3.5	0.0



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
67.5°	1.4	1.2	1.2	1.2	1.0	1.0	1.0	1.0	0.8	0.8	0.2
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.4	0.4	0.4	0.4	0.2
72.5°	0.6	0.6	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.2
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
85°	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	11.3	11.3	11.3	11.3	11.3	11.3
2.5°	11.9	11.5	10.9	10.7	10.5	10.5
5°	11.7	10.9	10.3	9.7	9.5	9.5
7.5°	11.1	10.1	9.3	8.9	8.8	8.6
10°	10.5	9.1	8.4	8.0	8.0	8.0
12.5°	9.3	8.2	7.4	7.2	7.4	7.4
15°	8.4	7.0	6.6	6.6	6.8	7.0
17.5°	7.2	6.2	5.8	6.0	6.2	6.4
20°	6.4	5.3	5.3	5.4	6.0	6.0
22.5°	5.6	4.7	4.7	5.3	5.6	5.8
25°	5.1	4.1	4.3	4.9	5.4	5.6
27.5°	4.3	3.5	3.9	4.7	5.3	5.4
30°	3.7	3.1	3.7	4.5	5.1	5.4
31°	3.5	2.9	3.7	4.3	5.1	5.4
32°	3.1	2.9	3.5	4.3	5.1	5.3
33°	2.9	2.7	3.5	4.3	5.1	5.3
34°	2.7	2.5	3.3	4.3	5.1	5.3
35°	2.3	2.5	3.3	4.1	4.9	5.3
36°	2.1	2.3	3.3	4.1	4.9	5.3
37°	1.9	2.3	3.1	4.1	4.9	5.3
38°	1.8	2.1	3.1	4.1	4.9	5.3
39°	1.6	2.1	2.9	4.1	4.9	5.3
40°	1.4	1.9	2.9	3.9	4.9	5.3
41°	1.4	1.9	2.9	3.9	4.9	5.3
42°	1.2	1.9	2.9	3.9	4.9	5.3
43°	1.0	1.8	2.9	3.9	4.9	5.3
44°	0.8	1.8	2.7	3.9	4.9	5.3
45°	0.8	1.8	2.7	3.9	4.9	5.3
46°	0.6	1.6	2.7	3.9	4.9	5.3
47°	0.4	1.6	2.7	3.7	4.9	5.3
48°	0.4	1.6	2.7	3.7	4.9	5.3
49°	0.4	1.6	2.5	3.7	4.9	5.3
50°	0.4	1.6	2.5	3.7	4.9	5.3
51°	0.2	1.4	2.5	3.7	4.9	5.3
52°	0.2	1.4	2.5	3.7	4.9	5.4
53°	0.2	1.4	2.5	3.7	4.9	5.3
54°	0.2	1.4	2.3	3.7	4.9	5.3
55°	0.2	1.4	2.3	3.7	4.9	5.3
56°	0.2	1.2	2.3	3.5	4.9	5.3
57°	0.4	1.2	2.3	3.5	4.9	5.1
58°	0.4	1.2	2.3	3.5	4.7	5.1
59°	0.4	1.2	2.3	3.5	4.7	5.1
60°	0.4	1.2	2.1	3.5	4.7	5.1
62.5°	0.4	1.2	2.1	3.3	4.5	4.9
65°	0.4	1.2	1.9	3.1	4.5	4.7



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
67.5°	0.4	1.0	1.9	2.9	4.3	4.5
70°	0.6	1.0	1.8	2.9	4.1	4.3
72.5°	0.6	1.0	1.8	2.5	3.7	4.1
75°	0.6	1.0	1.6	2.3	3.5	3.7
77.5°	0.6	1.0	1.4	2.1	3.1	3.3
80°	0.8	1.0	1.2	1.8	2.7	2.9
82.5°	0.8	1.0	1.0	1.4	2.1	2.3
85°	0.6	0.8	0.8	1.0	1.4	1.6
87.5°	0.6	0.8	0.6	0.4	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)