Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1335582

Luminaire Tested: P3A02R35B2750DE010 E3A451WH_4000K

Issue Date: 2/13/2026

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1335582
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-77)
Test Lab:	INNOVATION CENTER
Issue Date:	2/13/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	IRiS
Catalog Number:	P3A02R35B2750DE010 E3A451WH_4000K
Description:	3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 80CRI , E3A451WH TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	110.0 lumens
Efficiency:	N/A
Efficacy:	37.9 lumens/watt
Spacing Criteria (0/90/45):	4.01 / 0.66 / 1.41
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

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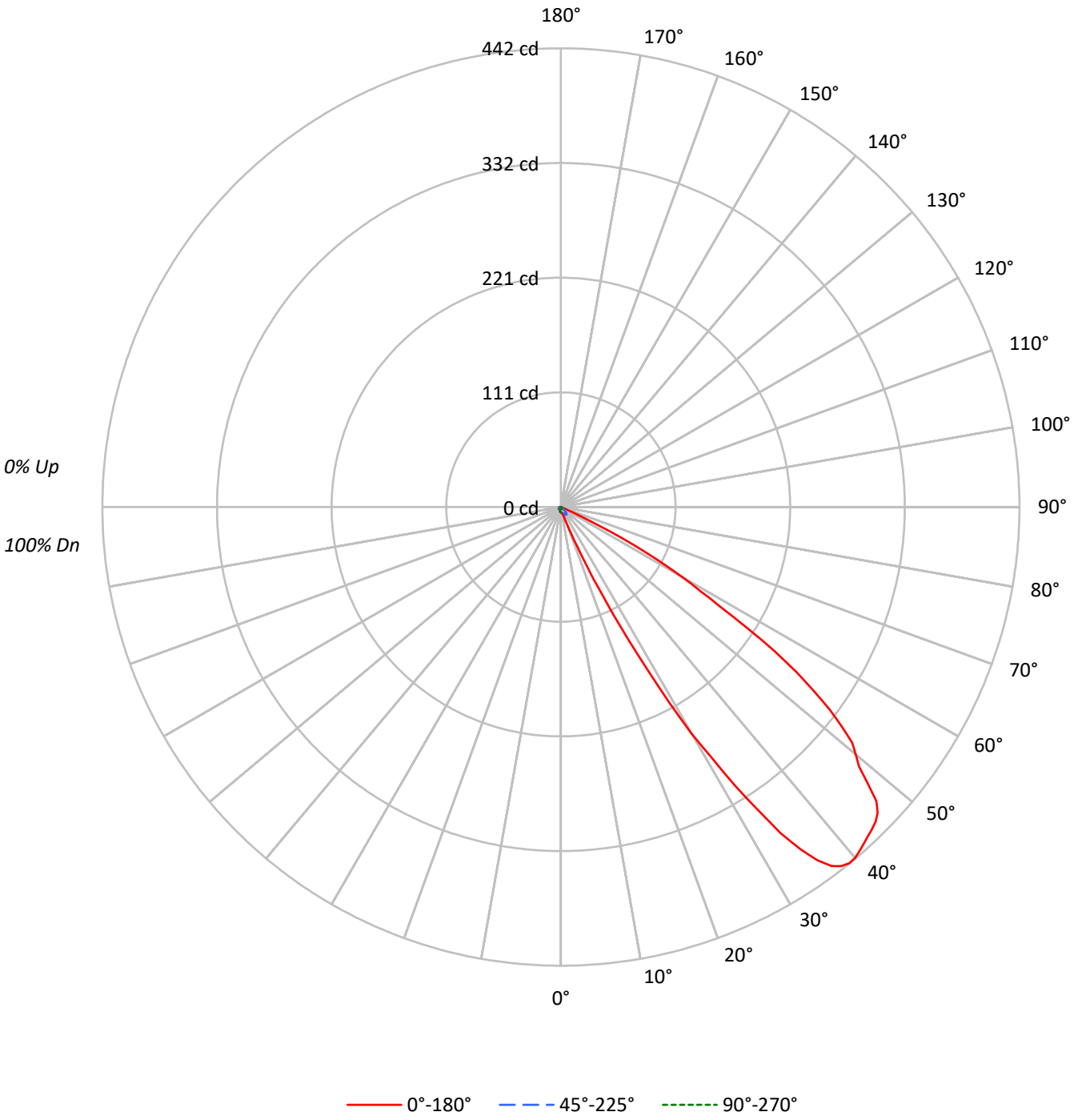
Luminous Intensity Polar Plot



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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	0
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	107	104	100	97	100	97	94	96	93	91	92	90	89	87
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	75	62	52	46	73	61	52	45	58	51	45	56	50	44	55	49	44	42
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35
7	62	48	38	32	60	47	38	32	45	37	32	44	37	31	42	36	31	29
8	57	42	33	27	55	41	33	27	40	32	27	39	32	26	38	31	26	24
9	52	38	29	23	50	37	29	23	36	28	23	35	28	22	34	27	22	20
10	48	34	25	19	46	33	25	19	32	25	19	31	24	19	30	24	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1118	1118	1118	1118	1118
5°	1211	1189	1101	991	969
10°	1269	1158	980	846	846
15°	1793	1135	795	726	749
20°	4527	1213	630	630	700
25°	20977	1548	484	581	653
30°	63757	2076	380	532	658
35°	107773	2409	321	509	642
40°	126322	2376	258	515	687
45°	133037	1706	217	558	744
50°	126631	1023	205	580	819
55°	106089	421	229	650	956
60°	59381	88	263	746	1053
65°	10273	52	259	830	1193
70°	192	64	321	898	1346
75°	169	85	424	1017	1525
80°	126	126	505	1137	1768
85°	0	252	1006	1258	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 46°
Luminance: 133969 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.4
10°-20°	1.3	1.2
20°-30°	6.8	6.1
30°-40°	29.2	26.5
40°-50°	41.6	37.8
50°-60°	25.8	23.4
60°-70°	3.9	3.6
70°-80°	0.7	0.7
80°-90°	0.4	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°	8.5	7.7
0°-40°	37.7	34.2
0°-60°	105.0	95.4
0°-90°	110.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	110.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5	5	5	5	5	
5°	6	5	5	4	4	1
15°	8	5	4	3	3	3
25°	87	6	2	2	3	52
35°	403	9	1	2	2	242
45°	429	6	1	2	2	324
55°	278	1	1	2	2	236
65°	20	0	0	2	2	40
75°	0	0	0	1	2	0
85°	0	0	0	0	1	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°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
2.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.1	5.0
5°	5.5	5.5	5.4	5.4	5.4	5.4	5.4	5.4	5.2	5.0	4.7
7.5°	5.6	5.6	5.5	5.5	5.5	5.5	5.4	5.3	5.1	4.7	4.4
10°	5.7	5.7	5.7	5.7	5.6	5.5	5.4	5.2	4.9	4.4	4.1
12.5°	6.4	6.4	6.3	6.1	5.9	5.7	5.5	5.1	4.5	4.0	3.7
15°	7.9	7.8	7.6	7.3	7.0	6.5	6.1	5.0	4.1	3.5	3.3
17.5°	11.1	10.9	10.6	9.6	8.7	7.8	7.1	5.0	3.7	3.1	2.9
20°	19.4	19.5	17.4	15.0	13.0	10.8	8.8	5.2	3.3	2.7	2.6
22.5°	40.4	38.8	33.9	28.1	21.4	16.6	12.5	5.7	2.9	2.3	2.3
25°	86.7	80.6	68.6	51.8	36.5	25.9	18.2	6.4	2.6	2.0	2.1
27.5°	158.3	152.8	128.7	96.9	64.3	39.1	24.6	7.2	2.3	1.7	1.9
30°	251.8	236.7	205.3	158.9	107.5	59.9	33.1	8.2	1.9	1.5	1.8
31°	281.0	274.1	235.7	183.8	126.0	71.1	36.6	8.5	1.8	1.5	1.7
32°	315.7	303.4	269.0	211.1	144.8	81.1	40.9	8.8	1.7	1.3	1.7
33°	346.7	334.7	292.9	235.1	163.7	92.5	45.5	8.9	1.5	1.3	1.6
34°	379.2	362.9	321.5	260.3	183.2	104.9	49.6	9.0	1.4	1.2	1.6
35°	402.6	386.3	346.2	280.1	200.0	115.8	54.4	9.0	1.3	1.2	1.5
36°	420.6	406.3	367.4	300.6	216.7	125.6	58.2	9.0	1.1	1.1	1.5
37°	433.0	419.4	381.7	318.2	229.4	134.4	61.6	9.0	1.0	1.1	1.5
38°	439.1	427.8	395.5	331.0	241.7	141.2	64.2	8.8	0.9	1.0	1.4
39°	441.7	432.4	403.9	341.8	250.9	147.2	66.2	8.6	0.8	1.0	1.4
40°	441.3	433.2	408.7	349.2	258.4	151.2	67.3	8.3	0.7	0.9	1.4
41°	439.0	432.0	411.2	355.6	262.8	154.0	67.6	8.0	0.6	0.9	1.3
42°	436.4	430.1	412.0	359.0	265.7	154.9	66.8	7.6	0.6	0.8	1.3
43°	433.7	427.9	412.0	360.1	266.4	154.3	65.5	7.0	0.5	0.8	1.3
44°	431.6	426.0	410.7	359.8	264.9	152.0	63.2	6.2	0.4	0.8	1.3
45°	429.0	423.5	409.0	357.9	262.0	148.2	60.2	5.5	0.3	0.7	1.3
46°	424.4	420.1	406.0	354.0	257.5	142.8	56.4	5.0	0.2	0.7	1.2
47°	415.6	411.9	400.3	348.2	251.4	136.4	52.5	4.5	0.2	0.7	1.2
48°	397.8	397.7	388.8	337.5	241.8	128.5	48.5	4.0	0.2	0.7	1.2
49°	380.6	378.8	367.7	318.6	228.0	119.0	44.2	3.6	0.1	0.7	1.2
50°	371.2	367.3	349.0	296.4	210.3	105.8	39.6	3.0	0.1	0.6	1.2
51°	361.3	355.8	334.2	276.3	189.3	93.0	34.7	2.4	0.1	0.6	1.1
52°	343.6	338.3	314.2	257.2	168.8	80.0	29.9	2.0	0.1	0.6	1.2
53°	324.4	316.9	290.6	236.1	150.8	68.5	25.0	1.7	0.1	0.6	1.1
54°	300.3	296.9	266.8	210.3	129.8	57.4	20.6	1.4	0.1	0.6	1.1
55°	277.5	272.6	241.3	183.9	110.7	47.1	17.2	1.1	0.1	0.6	1.1
56°	248.5	241.1	211.8	159.7	91.4	37.9	14.5	0.9	0.1	0.6	1.1
57°	214.0	206.0	182.9	132.8	71.7	28.9	12.1	0.7	0.1	0.6	1.1
58°	181.0	174.2	149.3	102.5	54.0	20.1	10.0	0.5	0.1	0.5	1.1
59°	156.4	148.8	124.2	78.8	37.5	14.8	7.5	0.4	0.1	0.6	1.1
60°	135.4	125.7	100.0	61.1	26.8	10.6	5.6	0.2	0.2	0.6	1.1
62.5°	78.0	68.9	47.8	24.8	11.0	5.5	2.7	0.1	0.2	0.6	1.1
65°	19.8	17.6	11.4	5.4	3.1	1.9	1.0	0.1	0.2	0.5	1.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
67.5°	*0.7*	0.7	0.7	0.6	0.5	0.4	0.2	0.1	0.2	0.5	1.0
70°	*0.3*	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.5	0.9
72.5°	*0.2*	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.5	0.8
75°	*0.2*	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.5	0.8
77.5°	*0.2*	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.7
80°	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.6
82.5°	*0.1*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.5
85°	*0.0*	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.3	0.4	0.4
87.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.3
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°	5.1	5.1	5.1
2.5°	4.8	4.8	4.8
5°	4.5	4.5	4.4
7.5°	4.2	4.1	4.1
10°	3.8	3.8	3.8
12.5°	3.5	3.5	3.5
15°	3.2	3.3	3.3
17.5°	2.9	3.1	3.1
20°	2.7	2.9	3.0
22.5°	2.5	2.7	2.8
25°	2.4	2.6	2.7
27.5°	2.2	2.5	2.7
30°	2.1	2.4	2.6
31°	2.1	2.4	2.5
32°	2.0	2.4	2.5
33°	2.0	2.4	2.5
34°	2.0	2.3	2.5
35°	1.9	2.3	2.4
36°	1.9	2.3	2.4
37°	1.9	2.3	2.5
38°	1.9	2.3	2.4
39°	*1.8*	*2.3*	*2.4*
40°	1.8	2.3	2.4
41°	1.8	2.3	2.4
42°	1.8	2.3	2.4
43°	1.8	2.3	2.4
44°	1.8	2.2	2.4
45°	1.8	2.2	2.4
46°	1.8	2.3	2.4
47°	1.8	2.3	2.5
48°	1.8	2.2	2.4
49°	1.7	2.2	2.4
50°	1.7	2.2	2.4
51°	1.7	2.3	2.5
52°	1.7	2.3	2.5
53°	1.7	2.3	2.5
54°	1.7	2.3	2.4
55°	1.7	2.3	2.5
56°	1.7	2.3	2.4
57°	1.7	2.3	2.4
58°	1.7	2.2	2.4
59°	1.7	2.2	2.4
60°	1.7	2.2	2.4
62.5°	1.6	2.2	2.4
65°	1.6	2.1	2.3

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
67.5°	1.5	2.1	2.2
70°	1.4	2.0	2.1
72.5°	1.3	1.9	2.0
75°	1.2	1.7	1.8
77.5°	1.0	1.5	1.7
80°	0.9	1.3	1.4
82.5°	0.7	1.1	1.2
85°	0.5	0.8	0.8
87.5°	0.2	0.4	0.4
90°	0.0	0.0	0.0

(END OF REPORT)