

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: P1283597

Luminaire Tested: P3AS09R50B2750DE010 E3D1LI_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1283597
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R50B2750DE010 E3D1LI_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

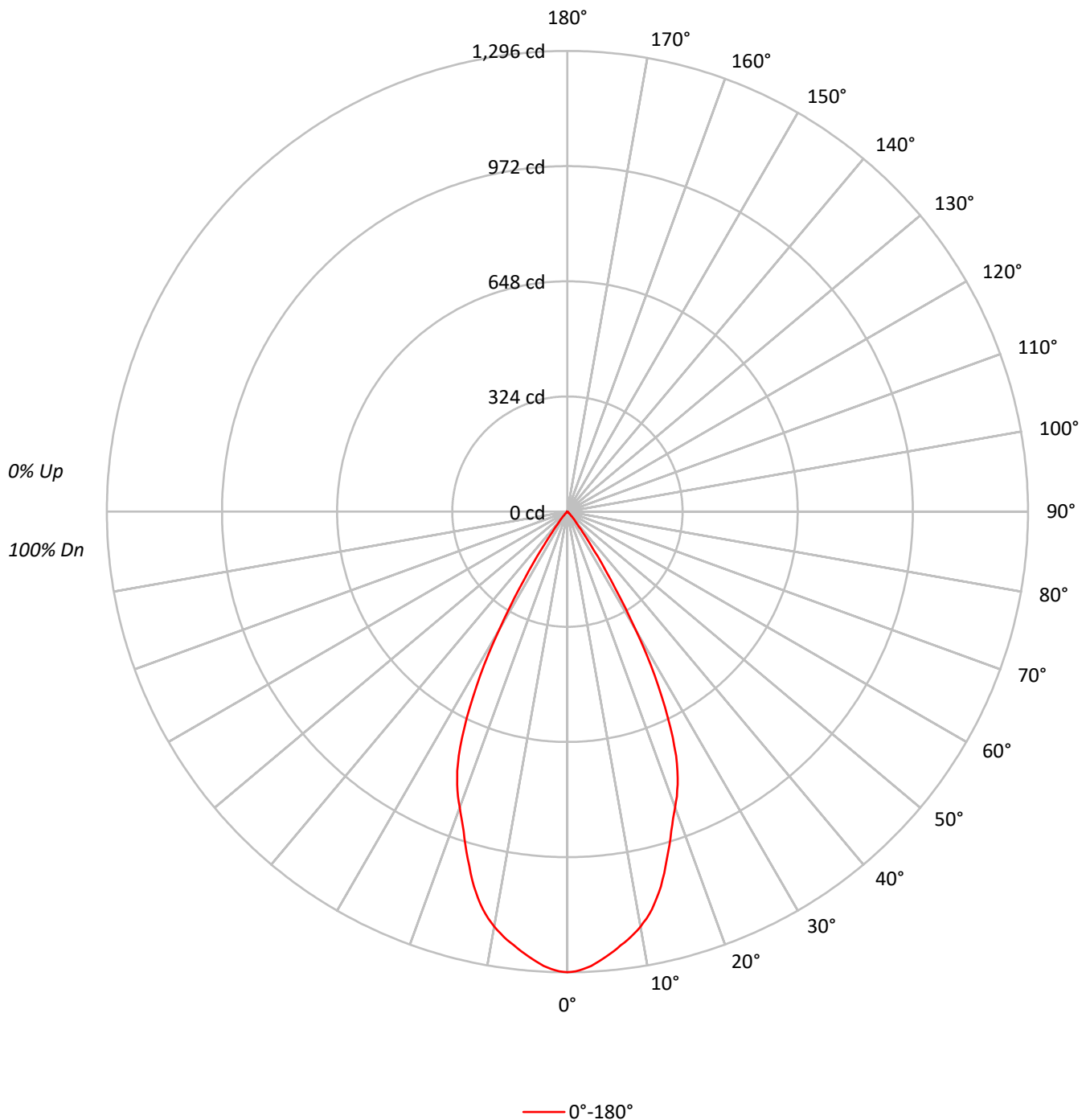
Lumens per Lamp: N/A
Luminaire Lumens: 813.1 lumens
Efficiency: N/A
Efficacy: 62.1 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 13.1
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

TEST NUMBER: P1283597

CATALOG NUMBER: P3AS09R50B2750DE010 E3D1LI_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1283597

CATALOG NUMBER: P3AS09R50B2750DE010 E3D1LI_2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	114	112	109	107	112	110	108	106	105	104	102		102	101	99		98	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91	88	86	85
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87	84	82	80
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83	80	77	76
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76	72	70	68
8	84	76	71	67	83	76	71	67	74	70	67		74	69	66		73	69	66	65
9	81	73	67	64	80	72	67	64	71	67	63		70	66	63		70	66	63	62
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	284122
5°	276557
10°	263901
15°	238912
20°	206705
25°	169534
30°	97407
35°	30249
40°	8130
45°	2853
50°	682
55°	229
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2853 cd/sqm

TEST NUMBER: P1283597

CATALOG NUMBER: P3AS09R50B2750DE010 E3D1LI_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.7	14.5
10°-20°	291.6	35.9
20°-30°	306.5	37.7
30°-40°	87.7	10.8
40°-50°	8.6	1.1
50°-60°	0.7	0.1
60°-70°	0.3	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	715.8	88.0
0°-40°	803.5	98.8
0°-60°	812.8	100.0
0°-90°	813.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	813.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1296	
5°	1256	118
15°	1052	292
25°	701	306
35°	113	88
45°	9	9
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1283597

CATALOG NUMBER: P3AS09R50B2750DE010 E3D1LI_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1295.7
1°	1293.6
2°	1287.9
3°	1279.6
4°	1268.4
5°	1256.4
6°	1243.4
7°	1229.7
8°	1216.8
9°	1201.9
10°	1185.2
11°	1166.0
12°	1143.9
13°	1116.4
14°	1086.5
15°	1052.4
16°	1016.3
17°	981.3
18°	945.4
19°	913.9
20°	885.8
21°	858.8
22°	828.1
23°	792.8
24°	751.5
25°	700.7
26°	645.7
27°	584.3
28°	523.2
29°	457.2
30°	384.7
31°	316.7
32°	254.1
32.5°	226.9
33°	199.4
34°	152.9
35°	113.0
36°	82.9
37°	61.7
37.5°	53.4
38°	46.2
39°	35.9
40°	28.4
42.5°	16.1
45°	9.2



TEST NUMBER: P1283597

CATALOG NUMBER: P3AS09R50B2750DE010 E3D1LI_2700K

CANDELA DISTRIBUTION (continued):

	0°
47.5°	5.2
50°	2.0
52.5°	0.9
55°	0.6
57.5°	0.6
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)