

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: P1283758

Luminaire Tested: P3AS09R55B2750DE010 E3D1WMH_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1283758
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R55B2750DE010 E3D1WMH_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

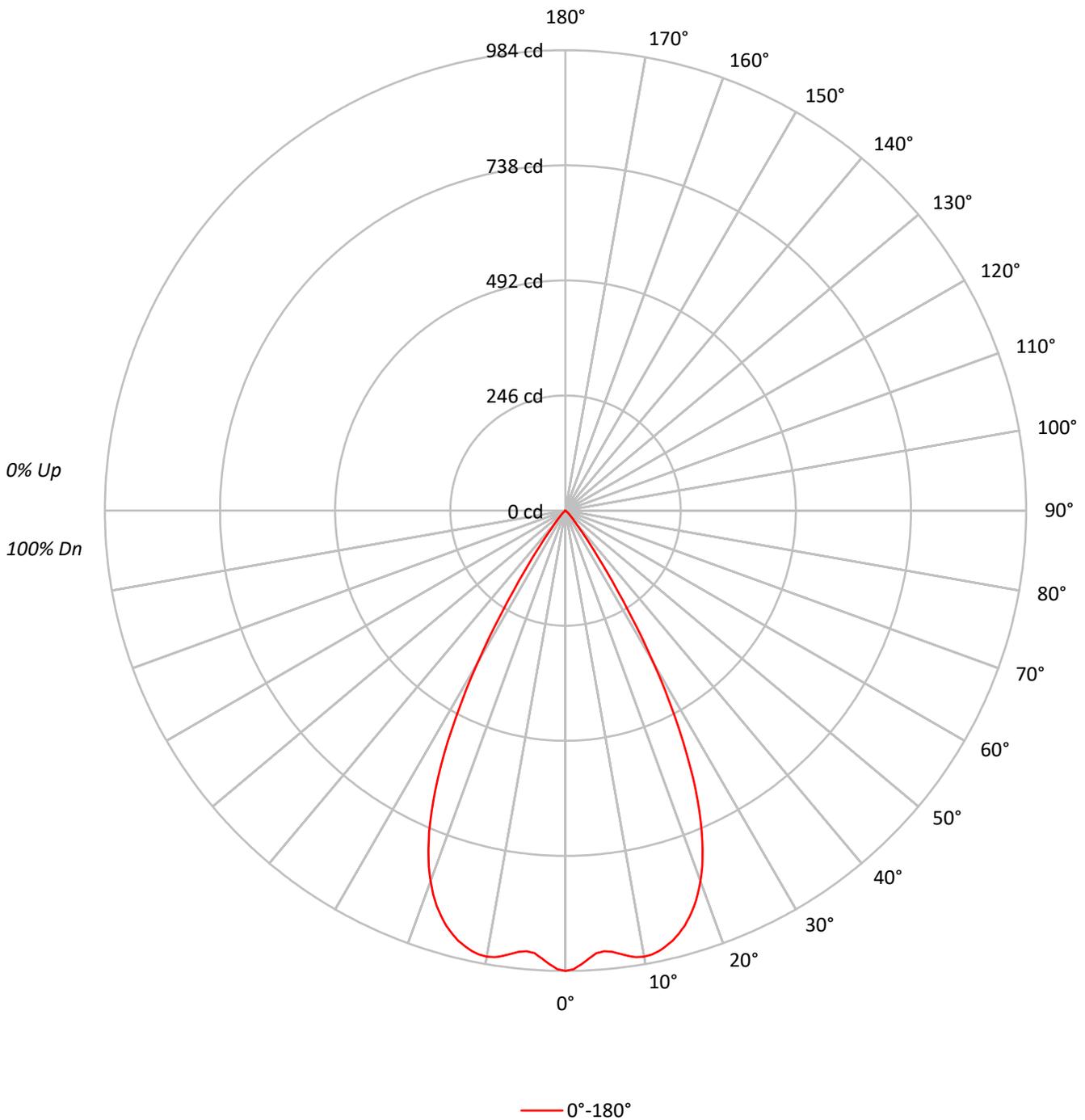
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 744.0 lumens
Efficiency: N/A
Efficacy: 56.8 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
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

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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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95	95	95	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89	89	89	89
3	104	98	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84	84	84	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79	79	79	79
5	95	88	82	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75	75	75	75
6	91	83	78	74	90	82	77	74	81	76	73	80	76	73	78	75	72	71	71	71	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67	67	67	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	63	63	63	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60	60	60	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57	57	57	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	215750
5°	208122
10°	215560
15°	212510
20°	196694
25°	159058
30°	95331
35°	32310
40°	8902
45°	3938
50°	1160
55°	229
60°	132
65°	156
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3938 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	12.3
10°-20°	260.6	35.0
20°-30°	289.7	38.9
30°-40°	90.2	12.1
40°-50°	10.8	1.5
50°-60°	0.8	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°	641.8	86.3
0°-40°	732.0	98.4
0°-60°	743.7	100.0
0°-90°	744.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	744.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	984	
5°	946	91
15°	936	261
25°	657	290
35°	121	90
45°	13	11
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	983.9
1°	980.2
2°	970.6
3°	958.7
4°	948.0
5°	945.5
6°	948.3
7°	954.2
8°	961.0
9°	966.4
10°	968.1
11°	966.9
12°	962.4
13°	955.4
14°	947.2
15°	936.1
16°	923.4
17°	907.3
18°	889.2
19°	867.5
20°	842.9
21°	814.9
22°	781.8
23°	745.3
24°	703.5
25°	657.4
26°	606.9
27°	553.1
28°	495.8
29°	436.7
30°	376.5
31°	316.0
32°	256.9
32.5°	230.6
33°	203.5
34°	157.4
35°	120.7
36°	91.9
37°	68.1
37.5°	58.2
38°	50.6
39°	38.4
40°	31.1
42.5°	19.8
45°	12.7



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	7.6
50°	3.4
52.5°	1.1
55°	0.6
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.3
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)