

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: P1283761

Luminaire Tested: P3AS09R55B2750DE010 E3D1WMH_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1283761
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_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 80CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

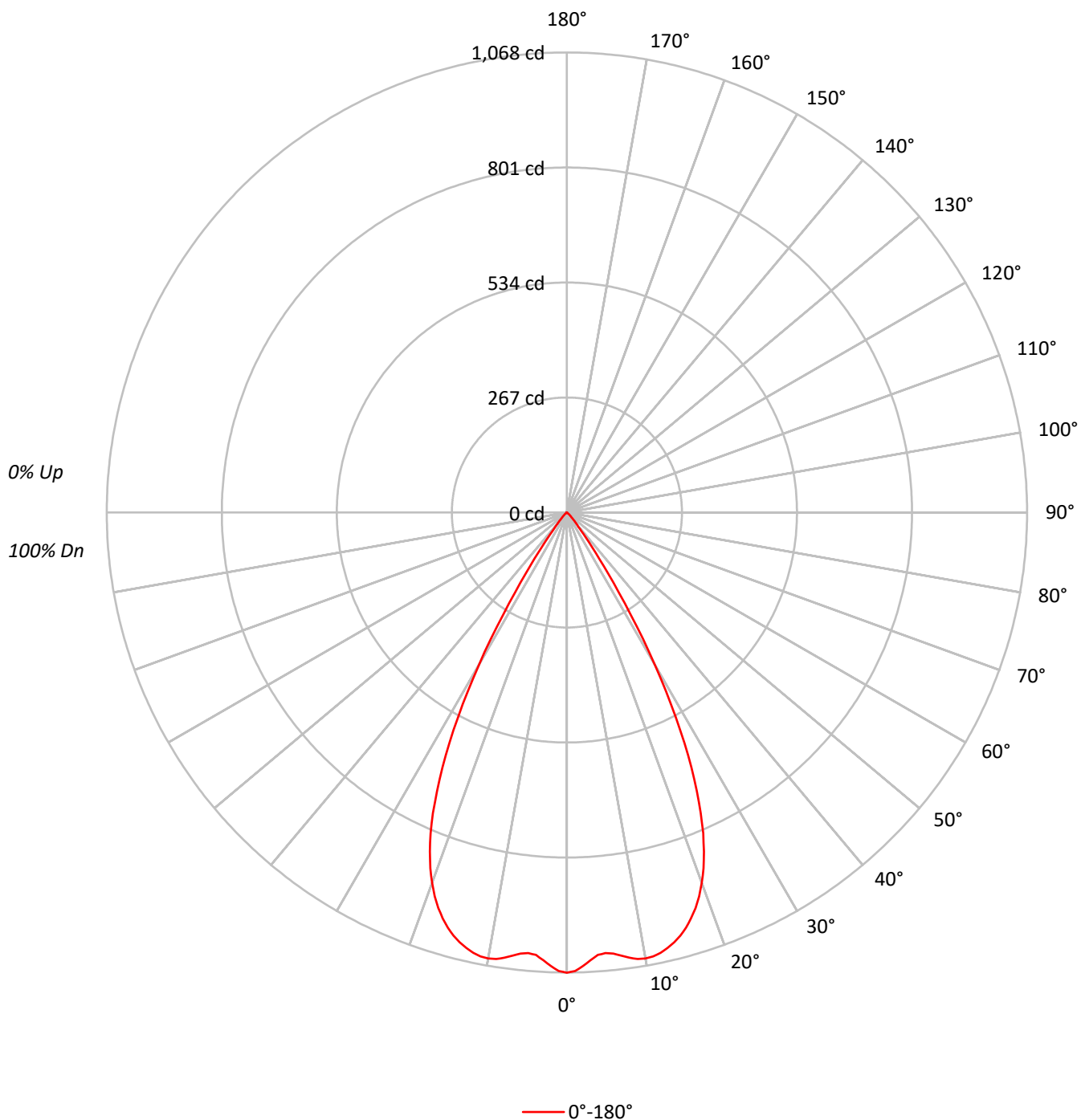
Lumens per Lamp: N/A
Luminaire Lumens: 808.0 lumens
Efficiency: N/A
Efficacy: 61.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	234301
5°	226017
10°	234108
15°	230807
20°	213612
25°	172752
30°	103535
35°	35094
40°	9675
45°	4280
50°	1262
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: 4280 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.3	12.3
10°-20°	283.1	35.0
20°-30°	314.6	38.9
30°-40°	97.9	12.1
40°-50°	11.8	1.5
50°-60°	0.9	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°	697.0	86.3
0°-40°	795.0	98.4
0°-60°	807.7	100.0
0°-90°	808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	808.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1068	
5°	1027	99
15°	1017	283
25°	714	315
35°	131	98
45°	14	12
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1068.5
1°	1064.6
2°	1054.1
3°	1041.2
4°	1029.6
5°	1026.8
6°	1029.9
7°	1036.3
8°	1043.7
9°	1049.5
10°	1051.4
11°	1050.1
12°	1045.2
13°	1037.5
14°	1028.6
15°	1016.7
16°	1002.9
17°	985.4
18°	965.7
19°	942.1
20°	915.4
21°	885.0
22°	849.1
23°	809.5
24°	764.0
25°	714.0
26°	659.1
27°	600.7
28°	538.4
29°	474.3
30°	408.9
31°	343.2
32°	279.0
32.5°	250.5
33°	221.0
34°	171.0
35°	131.1
36°	99.8
37°	74.0
37.5°	63.2
38°	54.9
39°	41.7
40°	33.8
42.5°	21.5
45°	13.8



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	8.3
50°	3.7
52.5°	1.2
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)