

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: P1285485

Luminaire Tested: P3AS13R55B2750DE010 E3D1WMH_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1285485
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: P3AS13R55B2750DE010 E3D1WMH_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 4000K CCT AND, 80CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

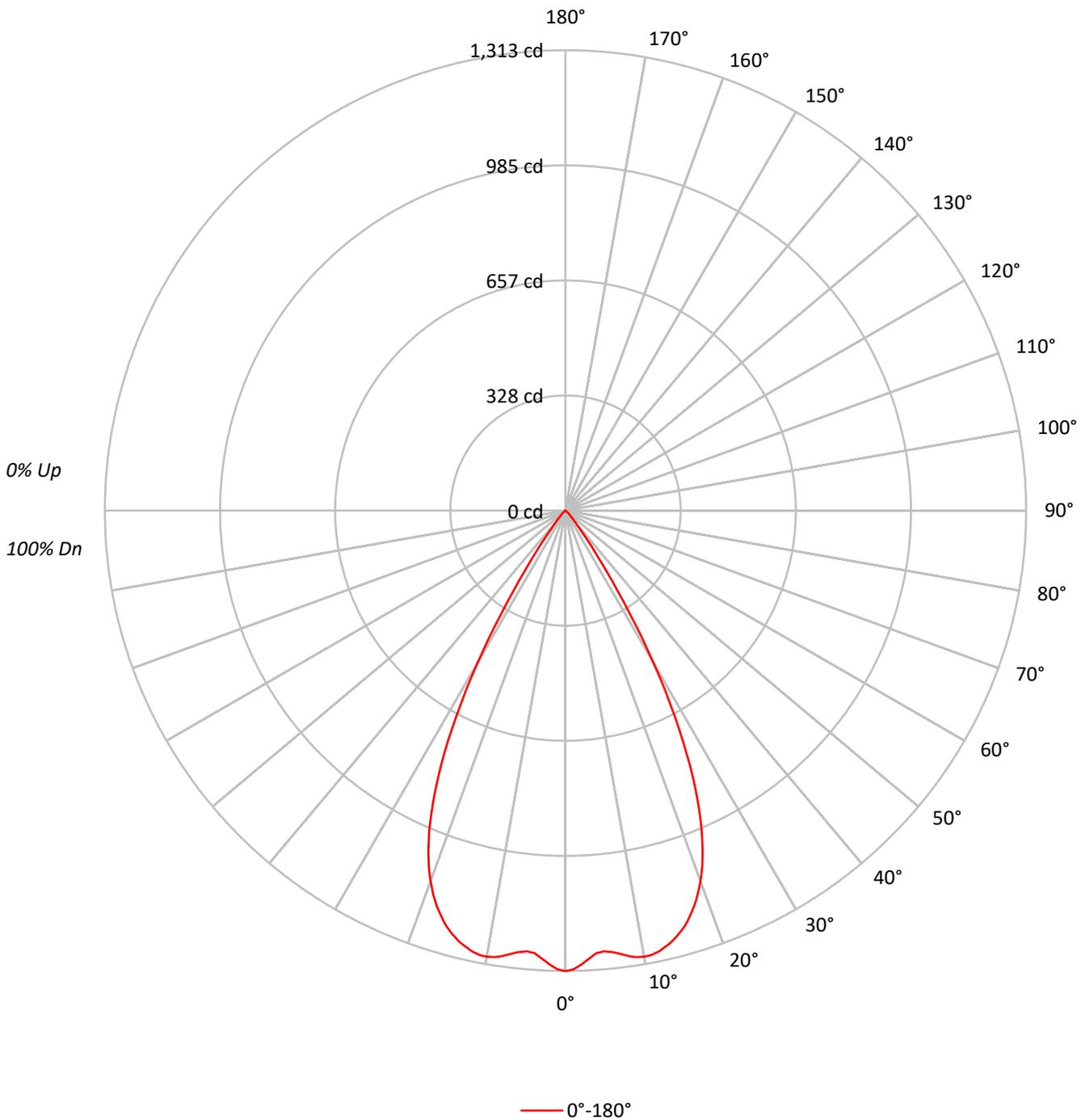
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 993.0 lumens
Efficiency: N/A
Efficacy: 52.0 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): 19.1
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				10		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	100		
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95		
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89		
3	104	98	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84		
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79		
5	95	88	82	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75		
6	91	83	78	74	90	82	77	74	81	76	73	80	76	73	78	75	72	71		
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67		
8	83	75	69	66	82	74	69	65	73	69	65	72	68	65	71	68	65	63		
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60		
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	287959
5°	277767
10°	287703
15°	283634
20°	262523
25°	212311
30°	127235
35°	43125
40°	11879
45°	5272
50°	1535
55°	306
60°	175
65°	208
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5272 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.1	12.3
10°-20°	347.9	35.0
20°-30°	386.7	38.9
30°-40°	120.4	12.1
40°-50°	14.5	1.5
50°-60°	1.1	0.1
60°-70°	0.4	0.0
70°-80°	0.1	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°	856.6	86.3
0°-40°	977.0	98.4
0°-60°	992.6	100.0
0°-90°	993.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	993.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1313	
5°	1262	122
15°	1249	348
25°	878	387
35°	161	120
45°	17	14
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1313.2
1°	1308.3
2°	1295.5
3°	1279.6
4°	1265.3
5°	1261.9
6°	1265.7
7°	1273.6
8°	1282.6
9°	1289.8
10°	1292.1
11°	1290.6
12°	1284.5
13°	1275.1
14°	1264.2
15°	1249.4
16°	1232.5
17°	1211.0
18°	1186.8
19°	1157.8
20°	1125.0
21°	1087.6
22°	1043.5
23°	994.8
24°	939.0
25°	877.5
26°	809.9
27°	738.3
28°	661.7
29°	582.8
30°	502.5
31°	421.8
32°	342.9
32.5°	307.8
33°	271.6
34°	210.1
35°	161.1
36°	122.6
37°	90.9
37.5°	77.7
38°	67.5
39°	51.3
40°	41.5
42.5°	26.4
45°	17.0



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	10.2
50°	4.5
52.5°	1.5
55°	0.8
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.4
67.5°	0.4
70°	0.4
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)