

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: P1285482

Luminaire Tested: P3AS13R55B2750DE010 E3D1WMH_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1285482
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

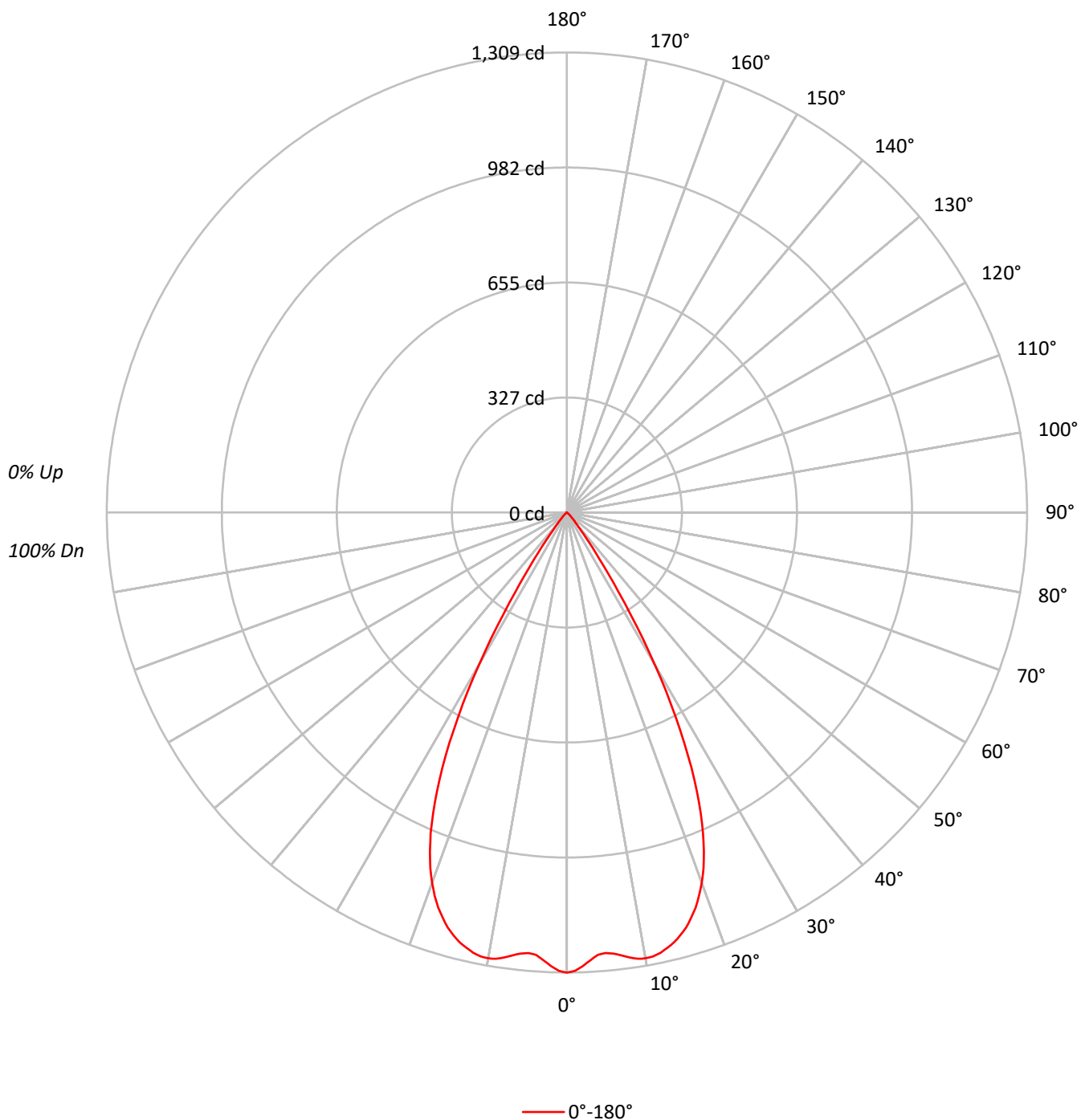
Lumens per Lamp: N/A
Luminaire Lumens: 990.0 lumens
Efficiency: N/A
Efficacy: 51.8 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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°	287082
5°	276931
10°	286835
15°	282794
20°	261729
25°	211657
30°	126855
35°	42991
40°	11851
45°	5241
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: 5241 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.7	12.3
10°-20°	346.8	35.0
20°-30°	385.5	38.9
30°-40°	120.0	12.1
40°-50°	14.4	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°	854.0	86.3
0°-40°	974.1	98.4
0°-60°	989.6	100.0
0°-90°	990.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	990.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1309	
5°	1258	122
15°	1246	347
25°	875	386
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°	1309.2
1°	1304.3
2°	1291.6
3°	1275.8
4°	1261.5
5°	1258.1
6°	1261.8
7°	1269.7
8°	1278.8
9°	1285.9
10°	1288.2
11°	1286.7
12°	1280.6
13°	1271.2
14°	1260.3
15°	1245.7
16°	1228.7
17°	1207.3
18°	1183.2
19°	1154.3
20°	1121.6
21°	1084.3
22°	1040.3
23°	991.8
24°	936.1
25°	874.8
26°	807.5
27°	736.0
28°	659.7
29°	581.1
30°	501.0
31°	420.5
32°	341.9
32.5°	306.9
33°	270.8
34°	209.5
35°	160.6
36°	122.2
37°	90.6
37.5°	77.5
38°	67.3
39°	51.2
40°	41.4
42.5°	26.3
45°	16.9



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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)