

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: P1281617

Luminaire Tested: P3AS05R40B2750DE010 E3D1WMH_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1281617
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R40B2750DE010 E3D1WMH_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

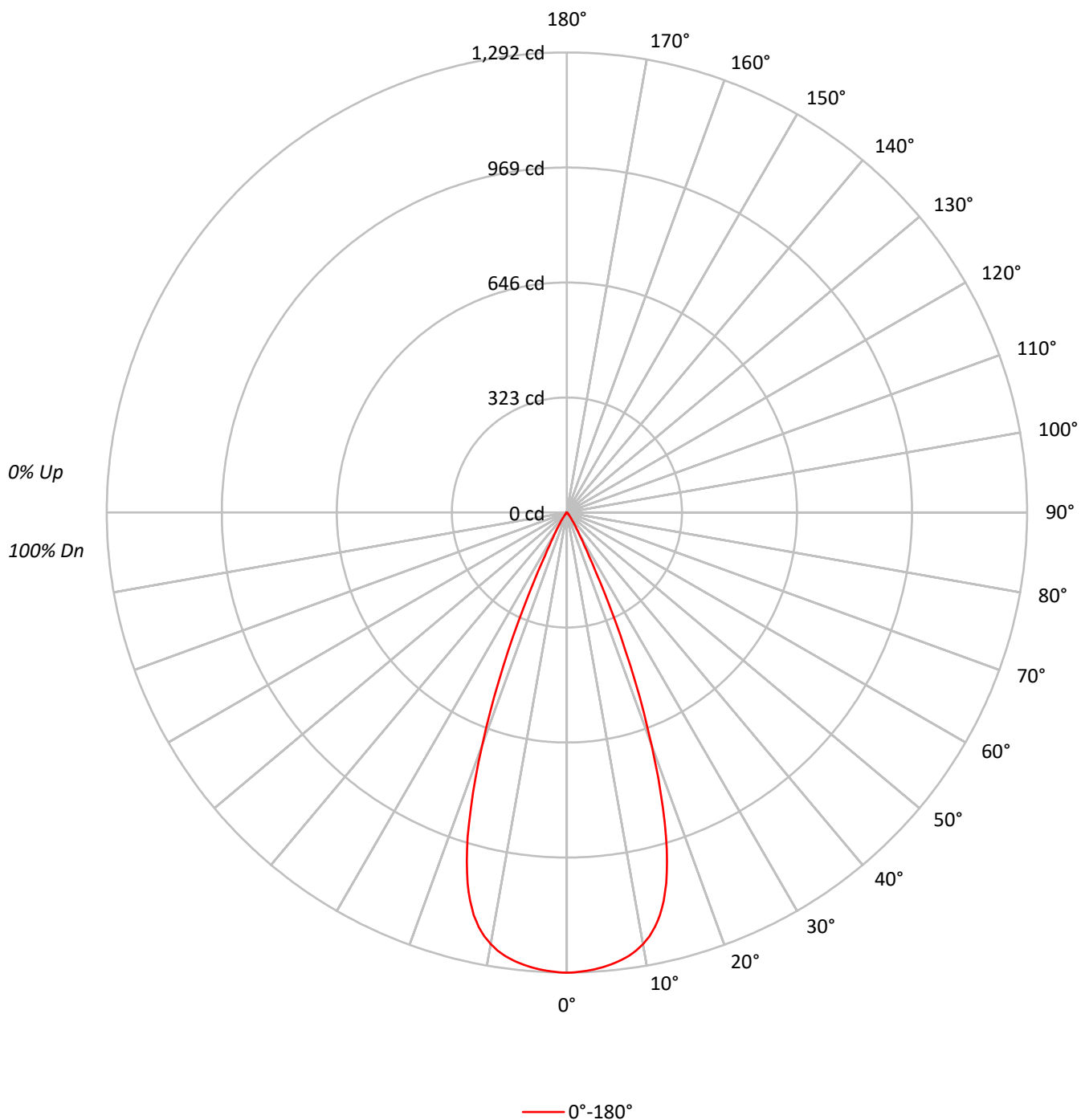
Lumens per Lamp: N/A
Luminaire Lumens: 556.0 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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	0			
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92			
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88			
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	85			
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82			
6	96	89	85	81	95	89	84	81	87	83	81	86	83	80	85	82	80	79			
7	93	86	81	78	92	85	81	78	84	80	77	83	80	77	82	79	77	76			
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	73			
9	87	80	75	72	86	79	75	72	78	75	72	78	74	72	77	74	71	70			
10	84	77	72	70	83	77	72	69	76	72	69	75	72	69	74	71	69	68			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	283398
5°	281355
10°	273987
15°	244746
20°	162297
25°	60802
30°	16256
35°	6344
40°	2290
45°	1085
50°	341
55°	153
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1085 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	21.7
10°-20°	285.7	51.4
20°-30°	129.6	23.3
30°-40°	16.8	3.0
40°-50°	2.9	0.5
50°-60°	0.4	0.1
60°-70°	0.1	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°	535.8	96.4
0°-40°	552.6	99.4
0°-60°	555.9	100.0
0°-90°	556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	556.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1292	
5°	1278	121
15°	1078	286
25°	251	130
35°	24	17
45°	4	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1292.4
1°	1291.7
2°	1289.7
3°	1286.8
4°	1283.1
5°	1278.2
6°	1272.6
7°	1265.6
8°	1257.0
9°	1245.3
10°	1230.5
11°	1213.2
12°	1190.1
13°	1161.4
14°	1124.1
15°	1078.1
16°	1019.5
17°	952.8
18°	872.6
19°	787.9
20°	695.5
21°	603.0
22°	511.9
23°	421.2
24°	332.1
25°	251.3
26°	186.1
27°	136.3
28°	102.4
29°	79.6
30°	64.2
31°	53.1
32°	44.4
32.5°	40.5
33°	36.6
34°	29.8
35°	23.7
36°	18.7
37°	14.8
37.5°	13.2
38°	11.7
39°	9.7
40°	8.0
42.5°	5.3
45°	3.5



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	2.1
50°	1.0
52.5°	0.4
55°	0.4
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.0
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)