

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: P1281888

Luminaire Tested: P3AS05R50B2750DE010 E3D1WMH_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1281888
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R50B2750DE010 E3D1WMH_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

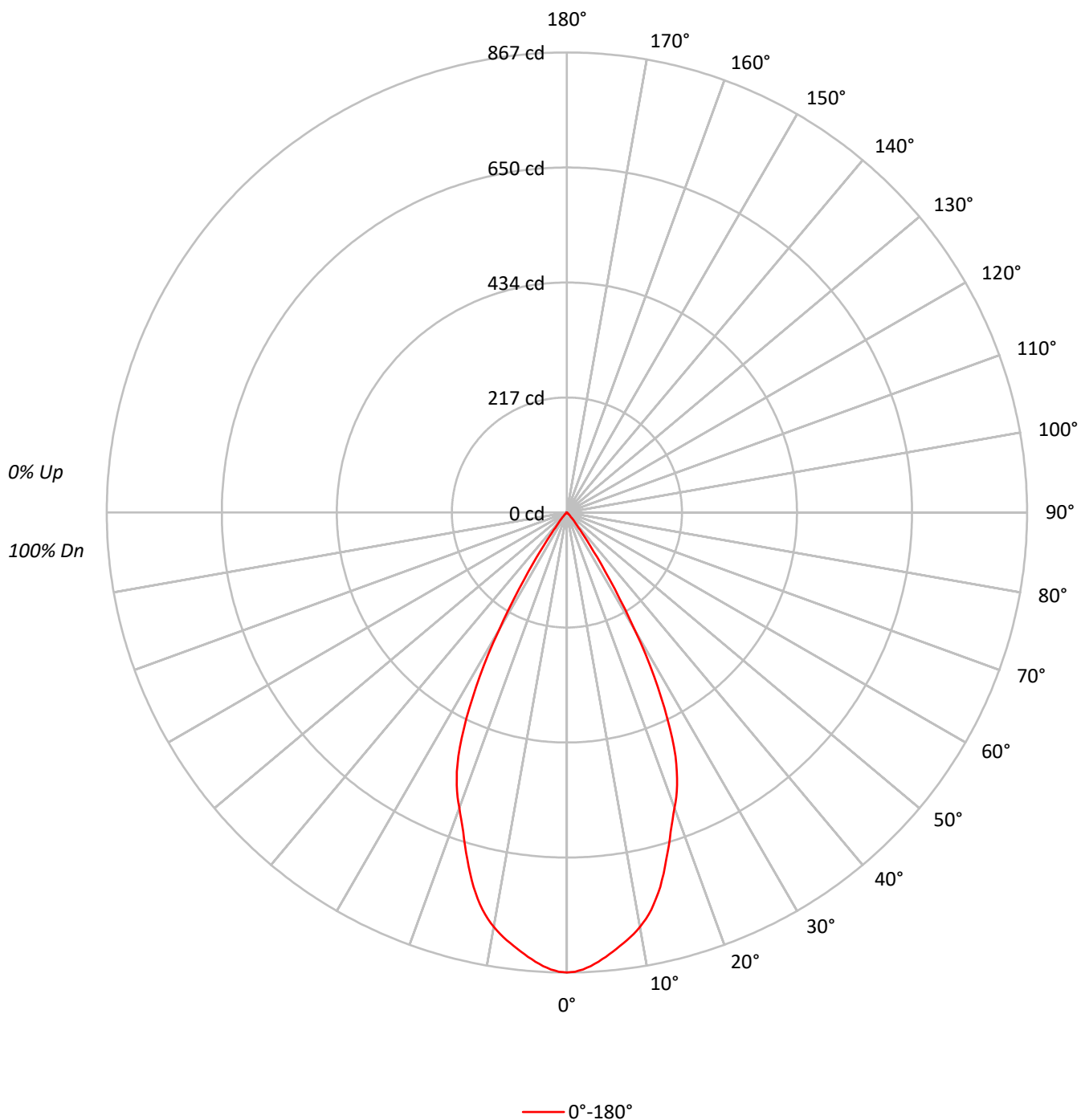
Lumens per Lamp: N/A
Luminaire Lumens: 544.0 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1281888

CATALOG NUMBER: P3AS05R50B2750DE010 E3D1WMH_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1281888

CATALOG NUMBER: P3AS05R50B2750DE010 E3D1WMH_3000K

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	102	102	100
1	114	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	82	82	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	68
8	84	76	71	67	83	76	71	67	75	70	67	74	69	66	73	69	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	190116
5°	185053
10°	176594
15°	159865
20°	138309
25°	113450
30°	65175
35°	20238
40°	5439
45°	1892
50°	443
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: 1892 cd/sqm

TEST NUMBER: P1281888

CATALOG NUMBER: P3AS05R50B2750DE010 E3D1WMH_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	14.5
10°-20°	195.1	35.9
20°-30°	205.1	37.7
30°-40°	58.7	10.8
40°-50°	5.7	1.1
50°-60°	0.5	0.1
60°-70°	0.2	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°	478.9	88.0
0°-40°	537.6	98.8
0°-60°	543.8	100.0
0°-90°	544.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	544.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	867	
5°	841	79
15°	704	195
25°	469	205
35°	76	59
45°	6	6
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1281888

CATALOG NUMBER: P3AS05R50B2750DE010 E3D1WMH_3000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	867.0
1°	865.6
2°	861.8
3°	856.2
4°	848.7
5°	840.7
6°	832.0
7°	822.8
8°	814.2
9°	804.2
10°	793.1
11°	780.2
12°	765.4
13°	747.0
14°	727.0
15°	704.2
16°	680.0
17°	656.6
18°	632.6
19°	611.5
20°	592.7
21°	574.6
22°	554.1
23°	530.5
24°	502.9
25°	468.9
26°	432.0
27°	391.0
28°	350.1
29°	305.9
30°	257.4
31°	211.9
32°	170.1
32.5°	151.8
33°	133.4
34°	102.3
35°	75.6
36°	55.5
37°	41.3
37.5°	35.7
38°	30.9
39°	24.0
40°	19.0
42.5°	10.7
45°	6.1



TEST NUMBER: P1281888

CATALOG NUMBER: P3AS05R50B2750DE010 E3D1WMH_3000K

CANDELA DISTRIBUTION (continued):

	0°
47.5°	3.5
50°	1.3
52.5°	0.6
55°	0.4
57.5°	0.4
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.2
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)