

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: P1281871

Luminaire Tested: P3AS05R50B2750DE010 E3D1H_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1281871
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 E3D1H_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 80CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

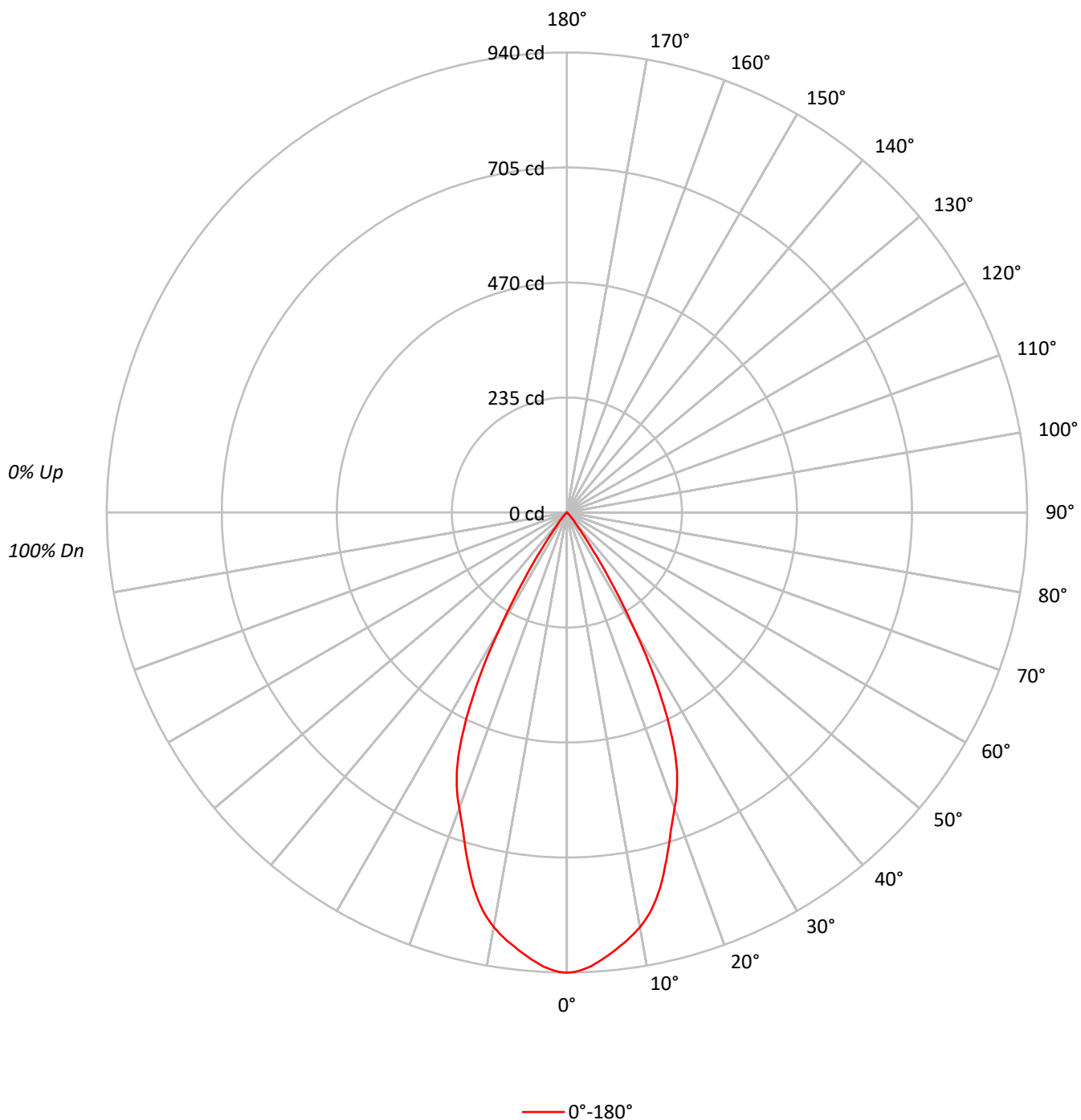
Lumens per Lamp: N/A
Luminaire Lumens: 590.0 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1281871

CATALOG NUMBER: P3AS05R50B2750DE010 E3D1H_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1281871

CATALOG NUMBER: P3AS05R50B2750DE010 E3D1H_5000K

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	206190
5°	200682
10°	191513
15°	173372
20°	150000
25°	123031
30°	70669
35°	21951
40°	5897
45°	2078
50°	512
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: 2078 cd/sqm

TEST NUMBER: P1281871

CATALOG NUMBER: P3AS05R50B2750DE010 E3D1H_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.4	14.5
10°-20°	211.6	35.9
20°-30°	222.4	37.7
30°-40°	63.7	10.8
40°-50°	6.2	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°	519.4	88.0
0°-40°	583.1	98.8
0°-60°	589.8	100.0
0°-90°	590.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	590.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	940	
5°	912	85
15°	764	212
25°	508	222
35°	82	64
45°	7	6
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1281871

CATALOG NUMBER: P3AS05R50B2750DE010 E3D1H_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	940.3
1°	938.8
2°	934.6
3°	928.6
4°	920.5
5°	911.7
6°	902.4
7°	892.4
8°	883.0
9°	872.2
10°	860.1
11°	846.2
12°	830.1
13°	810.2
14°	788.5
15°	763.7
16°	737.5
17°	712.1
18°	686.1
19°	663.2
20°	642.8
21°	623.2
22°	601.0
23°	575.4
24°	545.4
25°	508.5
26°	468.6
27°	424.0
28°	379.7
29°	331.8
30°	279.1
31°	229.8
32°	184.4
32.5°	164.7
33°	144.7
34°	110.9
35°	82.0
36°	60.2
37°	44.8
37.5°	38.7
38°	33.5
39°	26.0
40°	20.6
42.5°	11.7
45°	6.7



TEST NUMBER: P1281871

CATALOG NUMBER: P3AS05R50B2750DE010 E3D1H_5000K

CANDELA DISTRIBUTION (continued):

	0°
47.5°	3.7
50°	1.5
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)