

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: P1281921

Luminaire Tested: P3AS05R50B2750DE010 E3DL1WMH_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1281921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R50B2750DE010 E3DL1WMH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 80CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

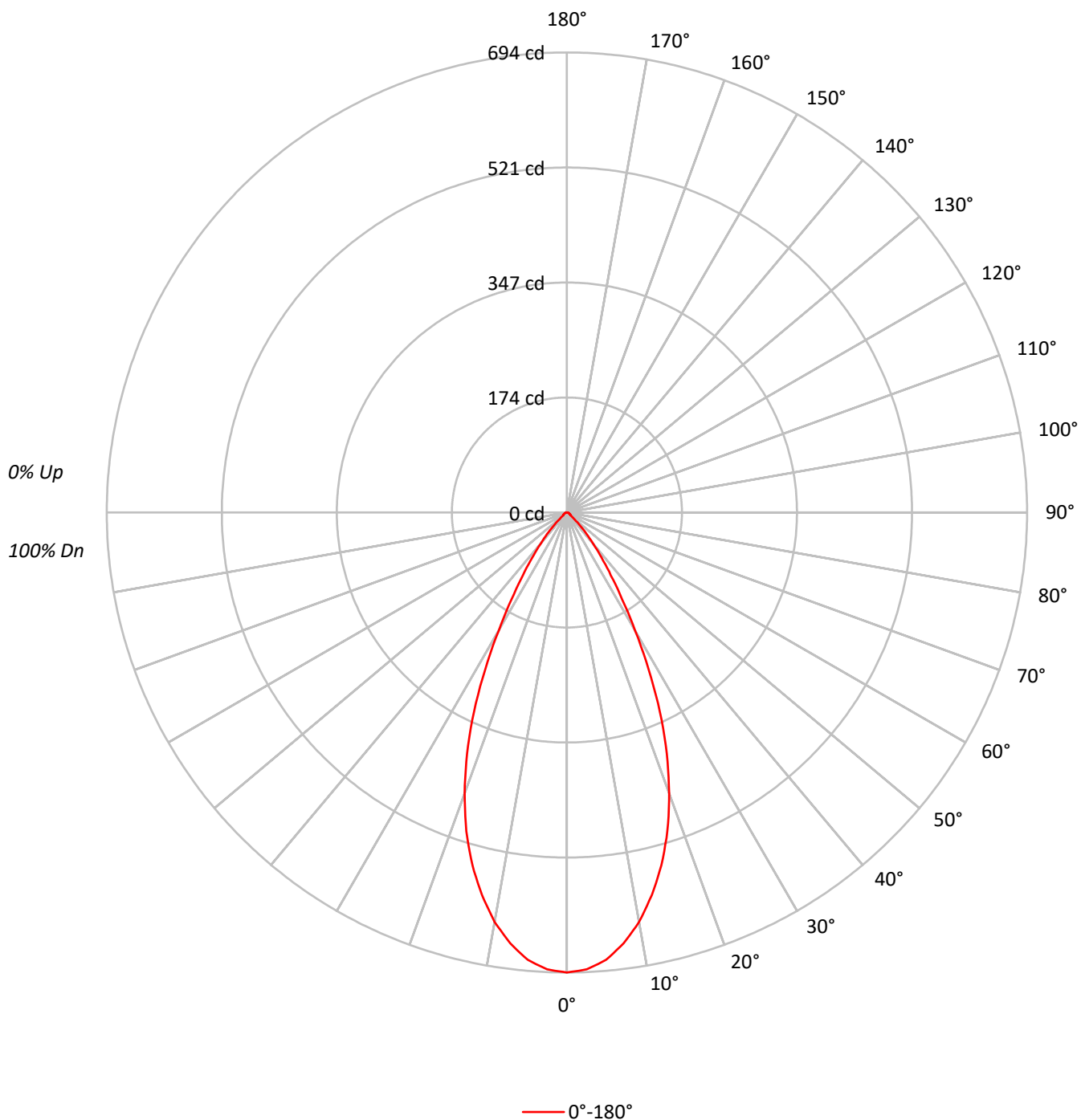
Lumens per Lamp: N/A
Luminaire Lumens: 478.0 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1281921

CATALOG NUMBER: P3AS05R50B2750DE010 E3DL1WMH_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1281921

CATALOG NUMBER: P3AS05R50B2750DE010 E3DL1WMH_5000K

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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88	85	83	82
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84	80	78	76
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		75	72	69	67
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72	68	65	64
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68	64	61	60
9	78	68	63	59	76	68	62	59	67	62	59		66	62	58		65	61	58	57
10	74	65	59	56	73	65	59	56	64	59	55		63	58	55		62	58	55	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	152181
5°	149130
10°	139677
15°	125040
20°	105219
25°	80303
30°	52185
35°	30945
40°	17891
45°	8962
50°	3343
55°	2600
60°	2412
65°	2231
70°	2180
75°	2203
80°	2147
85°	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 8962 cd/sqm

TEST NUMBER: P1281921

CATALOG NUMBER: P3AS05R50B2750DE010 E3DL1WMH_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.0	13.2
10°-20°	152.3	31.9
20°-30°	149.4	31.3
30°-40°	75.3	15.7
40°-50°	23.8	5.0
50°-60°	6.2	1.3
60°-70°	4.4	0.9
70°-80°	2.7	0.6
80°-90°	0.9	0.2
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°	364.8	76.3
0°-40°	440.1	92.1
0°-60°	470.0	98.3
0°-90°	478.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	478.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	694	
5°	678	63
15°	551	152
25°	332	149
35°	116	75
45°	29	24
55°	7	6
65°	4	4
75°	3	3
85°	1	1
90°	0	

TEST NUMBER: P1281921

CATALOG NUMBER: P3AS05R50B2750DE010 E3DL1WMH_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	694.0
2.5°	689.8
5°	677.5
7.5°	655.4
10°	627.3
12.5°	591.2
15°	550.8
17.5°	504.1
20°	450.9
22.5°	393.6
25°	331.9
27.5°	266.5
30°	206.1
32.5°	155.1
35°	115.6
37.5°	85.4
40°	62.5
42.5°	44.2
45°	28.9
47.5°	16.6
50°	9.8
52.5°	7.2
55°	6.8
57.5°	6.0
60°	5.5
62.5°	5.1
65°	4.3
67.5°	3.8
70°	3.4
72.5°	3.0
75°	2.6
77.5°	2.1
80°	1.7
82.5°	1.3
85°	0.9
87.5°	0.4
90°	0.0

(END OF REPORT)