

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: P1283646

Luminaire Tested: P3AS09R50B2750DE010 E3DL1WMH_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1283646
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: P3AS09R50B2750DE010 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

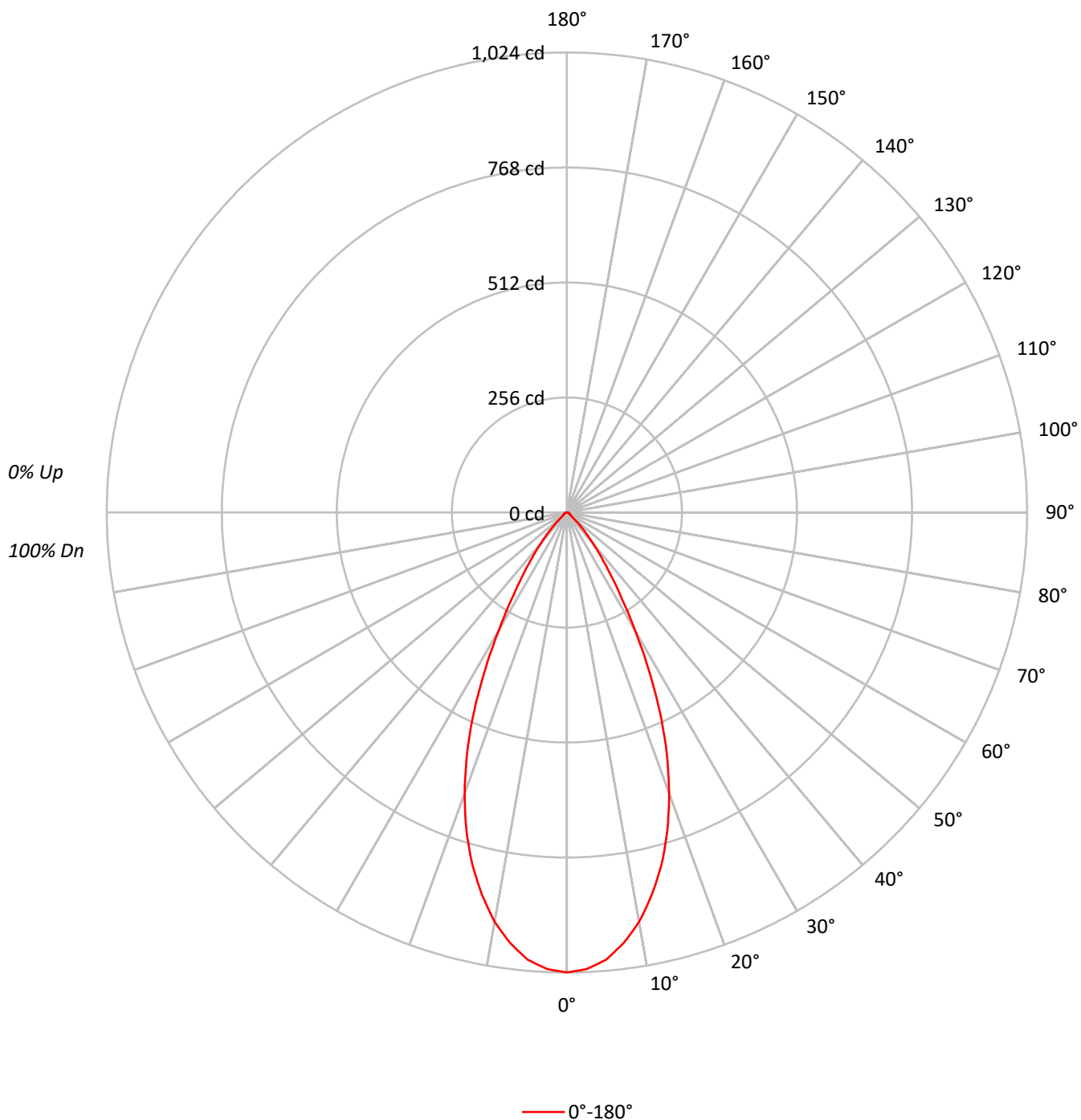
Lumens per Lamp: N/A
Luminaire Lumens: 705.0 lumens
Efficiency: N/A
Efficacy: 53.8 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 13.1
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			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°	224456
5°	219942
10°	206008
15°	184428
20°	155203
25°	118458
30°	76974
35°	45642
40°	26364
45°	13211
50°	4912
55°	3823
60°	3552
65°	3269
70°	3206
75°	3219
80°	3157
85°	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13211 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	13.2
10°-20°	224.7	31.9
20°-30°	220.4	31.3
30°-40°	111.0	15.8
40°-50°	35.1	5.0
50°-60°	9.1	1.3
60°-70°	6.4	0.9
70°-80°	4.0	0.6
80°-90°	1.4	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°	538.0	76.3
0°-40°	649.1	92.1
0°-60°	693.2	98.3
0°-90°	705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	705.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1024	
5°	999	93
15°	812	225
25°	490	220
35°	170	111
45°	43	35
55°	10	9
65°	6	6
75°	4	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1023.6
2.5°	1017.3
5°	999.2
7.5°	966.6
10°	925.2
12.5°	871.9
15°	812.4
17.5°	743.4
20°	665.1
22.5°	580.4
25°	489.6
27.5°	393.0
30°	304.0
32.5°	228.8
35°	170.5
37.5°	126.0
40°	92.1
42.5°	65.2
45°	42.6
47.5°	24.4
50°	14.4
52.5°	10.7
55°	10.0
57.5°	8.8
60°	8.1
62.5°	7.5
65°	6.3
67.5°	5.6
70°	5.0
72.5°	4.4
75°	3.8
77.5°	3.1
80°	2.5
82.5°	1.9
85°	1.3
87.5°	0.6
90°	0.0

(END OF REPORT)