

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: P1283531

Luminaire Tested: P3AS09R45B2750DE010 E3DLD1WMH_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1283531
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R45B2750DE010 E3DLD1WMH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R45 optic, 5000K CCT AND, 80CRI , E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

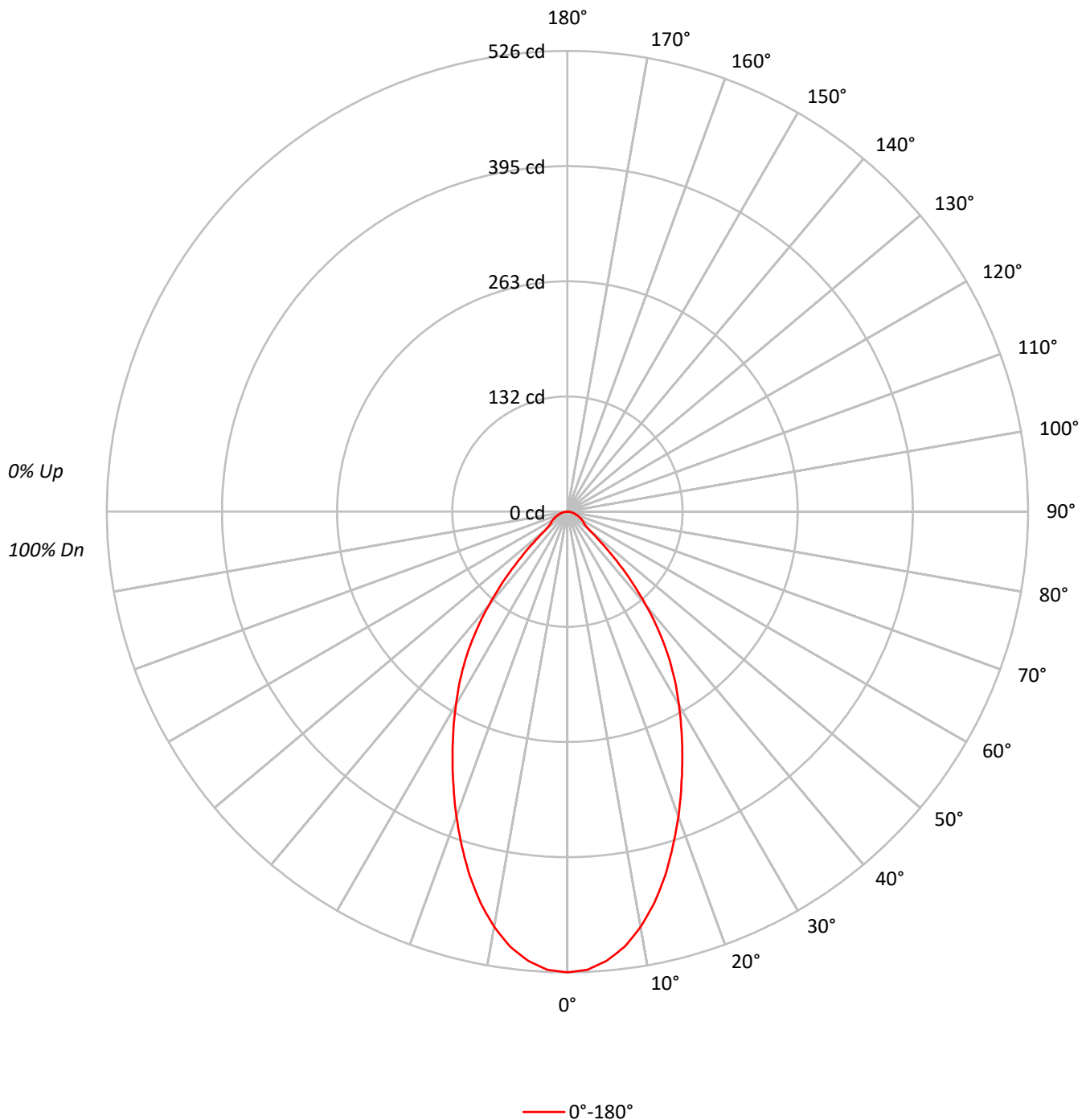
Lumens per Lamp: N/A
Luminaire Lumens: 544.0 lumens
Efficiency: N/A
Efficacy: 41.5 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	82	97	90	85	81	88	83	80		85	81	78		83	80	77	75
4	94	85	78	74	92	84	78	73	81	76	72		79	75	71		77	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66		74	69	65		72	68	65	63
6	83	73	66	61	81	72	66	61	71	65	61		69	64	60		68	63	60	58
7	78	68	61	57	77	67	61	56	66	60	56		65	60	56		64	59	55	54
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60	55	52	50
9	70	60	53	49	69	59	53	49	58	52	48		57	52	48		56	52	48	47
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53	48	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	115342
5°	113295
10°	107212
15°	97776
20°	86458
25°	75077
30°	64440
35°	53699
40°	40018
45°	24499
50°	11326
55°	8869
60°	8508
65°	7783
70°	7245
75°	6947
80°	6314
85°	4780

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24499 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.1	8.8
10°-20°	119.9	22.0
20°-30°	142.5	26.2
30°-40°	123.8	22.8
40°-50°	62.1	11.4
50°-60°	21.5	4.0
60°-70°	15.1	2.8
70°-80°	8.5	1.6
80°-90°	2.6	0.5
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°	310.5	57.1
0°-40°	434.3	79.8
0°-60°	517.9	95.2
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°	526	
5°	515	48
15°	431	120
25°	310	142
35°	201	124
45°	79	62
55°	23	22
65°	15	15
75°	8	8
85°	2	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	526.0
2.5°	523.5
5°	514.7
7.5°	500.9
10°	481.5
12.5°	457.7
15°	430.7
17.5°	400.6
20°	370.5
22.5°	339.8
25°	310.3
27.5°	282.1
30°	254.5
32.5°	228.2
35°	200.6
37.5°	171.2
40°	139.8
42.5°	109.1
45°	79.0
47.5°	52.0
50°	33.2
52.5°	25.7
55°	23.2
57.5°	21.3
60°	19.4
62.5°	17.6
65°	15.0
67.5°	13.2
70°	11.3
72.5°	9.4
75°	8.2
77.5°	6.3
80°	5.0
82.5°	3.8
85°	1.9
87.5°	1.3
90°	0.0

(END OF REPORT)