

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: P1283451

Luminaire Tested: P3AS09R45B2750DE010 E3CB1MW_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1283451
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R45B2750DE010 E3CB1MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R45 optic, 5000K CCT AND, 80CRI , E3CB1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

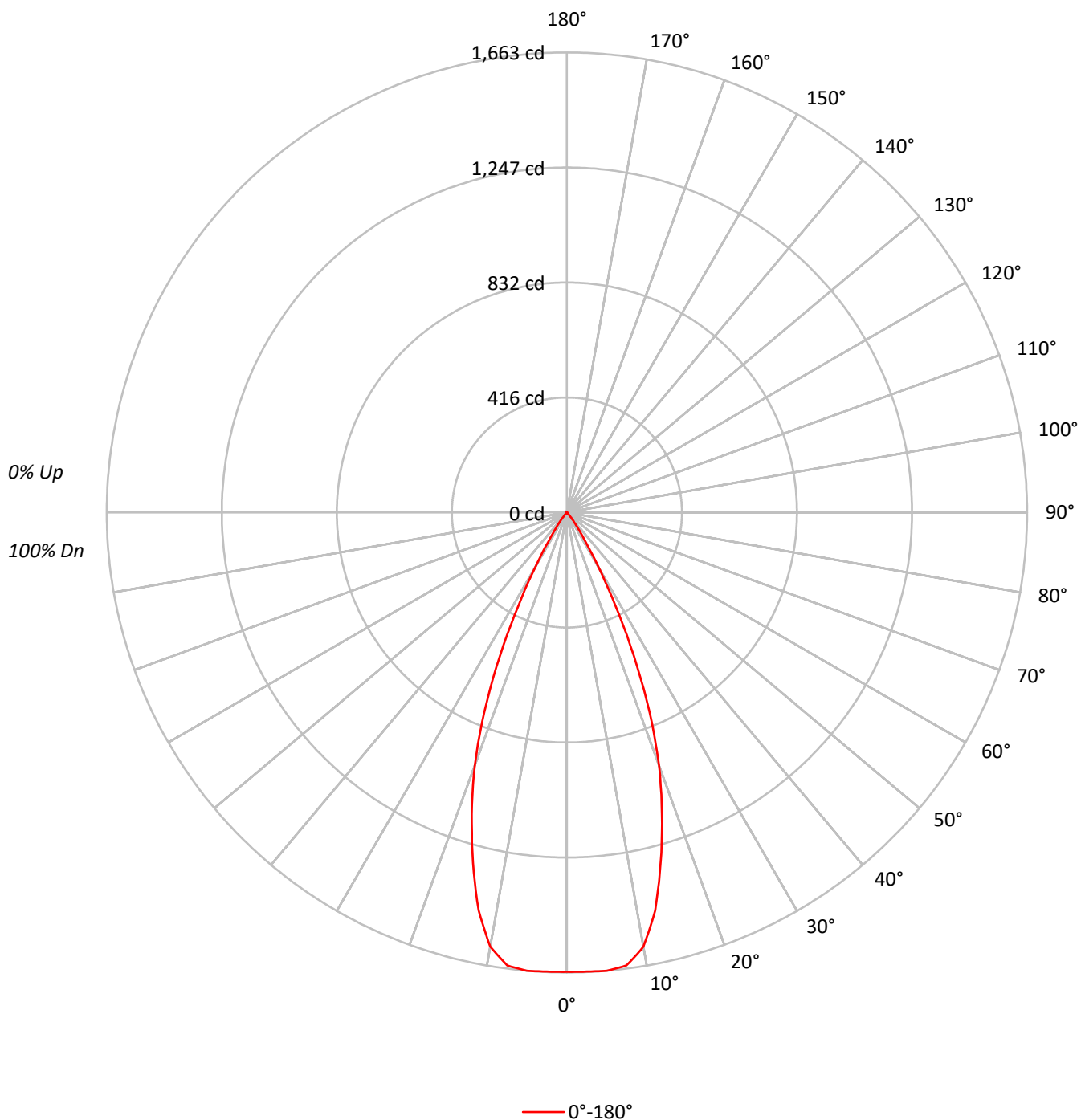
Lumens per Lamp: N/A
Luminaire Lumens: 840.0 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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					0
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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95		
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91		
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	86		
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	82		
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79		
6	94	87	82	78	93	86	81	78	85	80	77	83	80	77	82	79	76	75		
7	90	83	78	74	89	82	78	74	81	77	74	80	76	74	79	76	73	72		
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69		
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66		
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	64		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	364181
5°	366123
10°	354881
15°	297391
20°	227333
25°	138395
30°	57578
35°	18444
40°	5725
45°	1178
50°	853
55°	956
60°	833
65°	986
70°	833
75°	1101
80°	758
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1178 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.9	18.7
10°-20°	360.0	42.9
20°-30°	259.2	30.9
30°-40°	53.9	6.4
40°-50°	4.9	0.6
50°-60°	2.0	0.2
60°-70°	1.7	0.2
70°-80°	1.1	0.1
80°-90°	0.2	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°	776.1	92.4
0°-40°	830.1	98.8
0°-60°	837.0	99.6
0°-90°	840.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	840.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1661	
5°	1663	157
15°	1310	360
25°	572	259
35°	69	54
45°	4	5
55°	2	2
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1660.8
2.5°	1661.4
5°	1663.3
7.5°	1651.4
10°	1593.8
12.5°	1473.5
15°	1310.0
17.5°	1142.7
20°	974.2
22.5°	780.6
25°	572.0
27.5°	377.1
30°	227.4
32.5°	127.2
35°	68.9
37.5°	38.8
40°	20.0
42.5°	8.8
45°	3.8
47.5°	2.5
50°	2.5
52.5°	2.5
55°	2.5
57.5°	1.9
60°	1.9
62.5°	1.9
65°	1.9
67.5°	1.3
70°	1.3
72.5°	1.3
75°	1.3
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)