

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: P1304996

Luminaire Tested: P3RT09R45B2750DE010 E3CBUS1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1304996
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-96)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3RT09R45B2750DE010 E3CBUS1MW_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 80CRI , E3CBUS1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

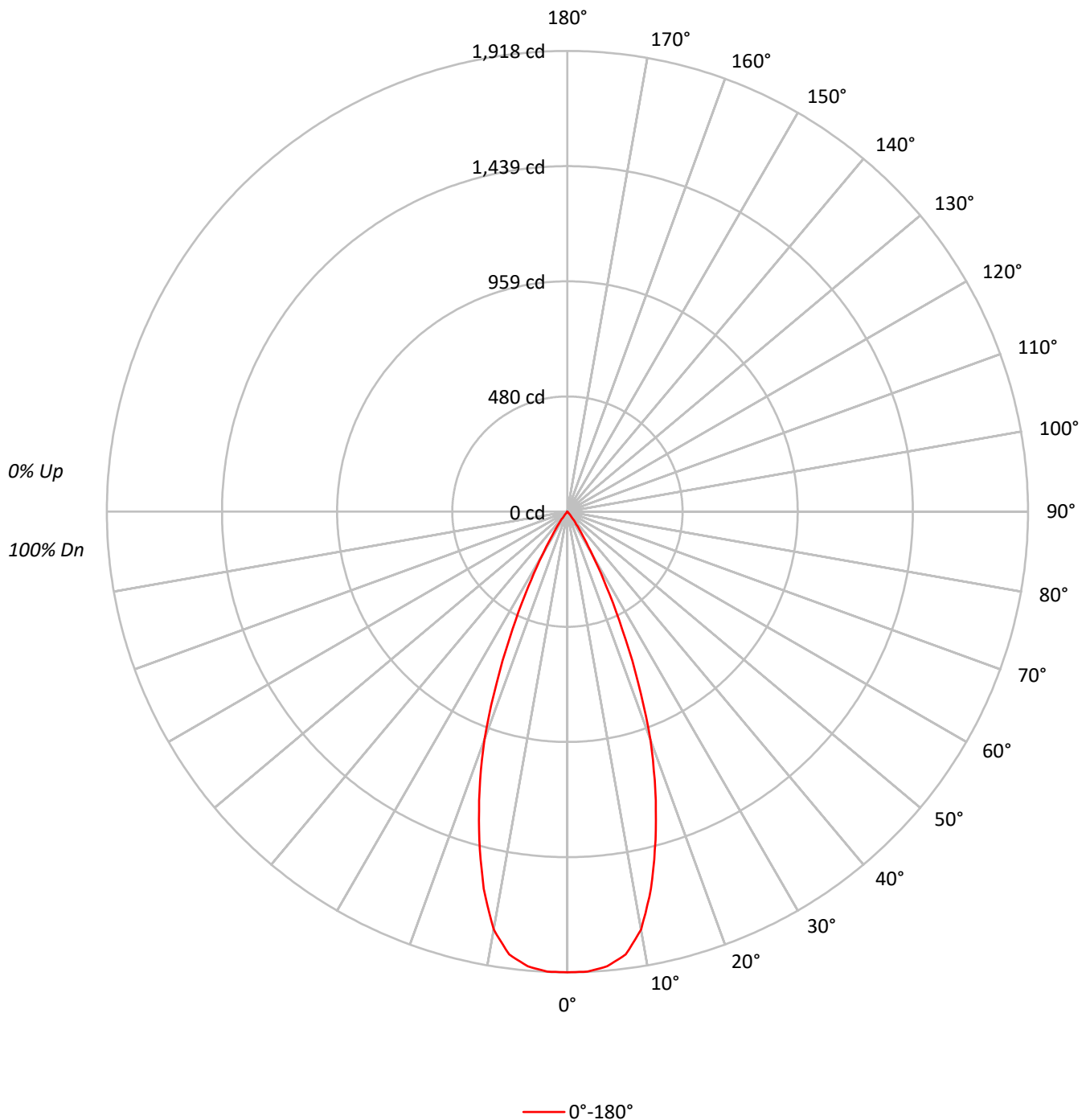
Lumens per Lamp: N/A
Luminaire Lumens: 867.0 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1304996

CATALOG NUMBER: P3RT09R45B2750DE010 E3CBUS1MW_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P1304996

CATALOG NUMBER: P3RT09R45B2750DE010 E3CBUS1MW_4000K

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96		
2	110	106	103	100	108	105	102	99	101	99	97	99	97	95	96	94	93	91		
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	87		
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	89	87	85	84		
5	98	92	87	84	97	91	87	83	89	86	83	88	85	82	86	84	81	80		
6	95	88	83	80	94	87	83	79	86	82	79	84	81	78	83	80	78	77		
7	92	84	79	76	90	84	79	76	82	78	76	81	78	75	80	77	75	74		
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71		
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	68		
10	82	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	66	65		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	420558
5°	418225
10°	393290
15°	321477
20°	235664
25°	130653
30°	52236
35°	17052
40°	4008
45°	0
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 0 cd/sqm

TEST NUMBER: P1304996

CATALOG NUMBER: P3RT09R45B2750DE010 E3CBUS1MW_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.4	20.5
10°-20°	387.9	44.7
20°-30°	251.3	29.0
30°-40°	48.7	5.6
40°-50°	1.7	0.2
50°-60°	0.0	0.0
60°-70°	0.0	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°	816.6	94.2
0°-40°	865.3	99.8
0°-60°	867.0	100.0
0°-90°	867.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	867.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1918	
5°	1900	177
15°	1416	388
25°	540	251
35°	64	49
45°	0	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1304996

CATALOG NUMBER: P3RT09R45B2750DE010 E3CBUS1MW_4000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1917.9
2.5°	1916.6
5°	1900.0
7.5°	1859.3
10°	1766.3
12.5°	1608.4
15°	1416.1
17.5°	1217.5
20°	1009.9
22.5°	769.2
25°	540.0
27.5°	350.2
30°	206.3
32.5°	117.2
35°	63.7
37.5°	33.1
40°	14.0
42.5°	2.5
45°	0.0
47.5°	0.0
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
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)