

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: P1304873

Luminaire Tested: P3RT02R45B2750DE010 E3CBUS1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1304873
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: P3RT02R45B2750DE010 E3CBUS1MW_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , E3CBUS1MW TRIM
Light Source: -
Ballast/Driver: -

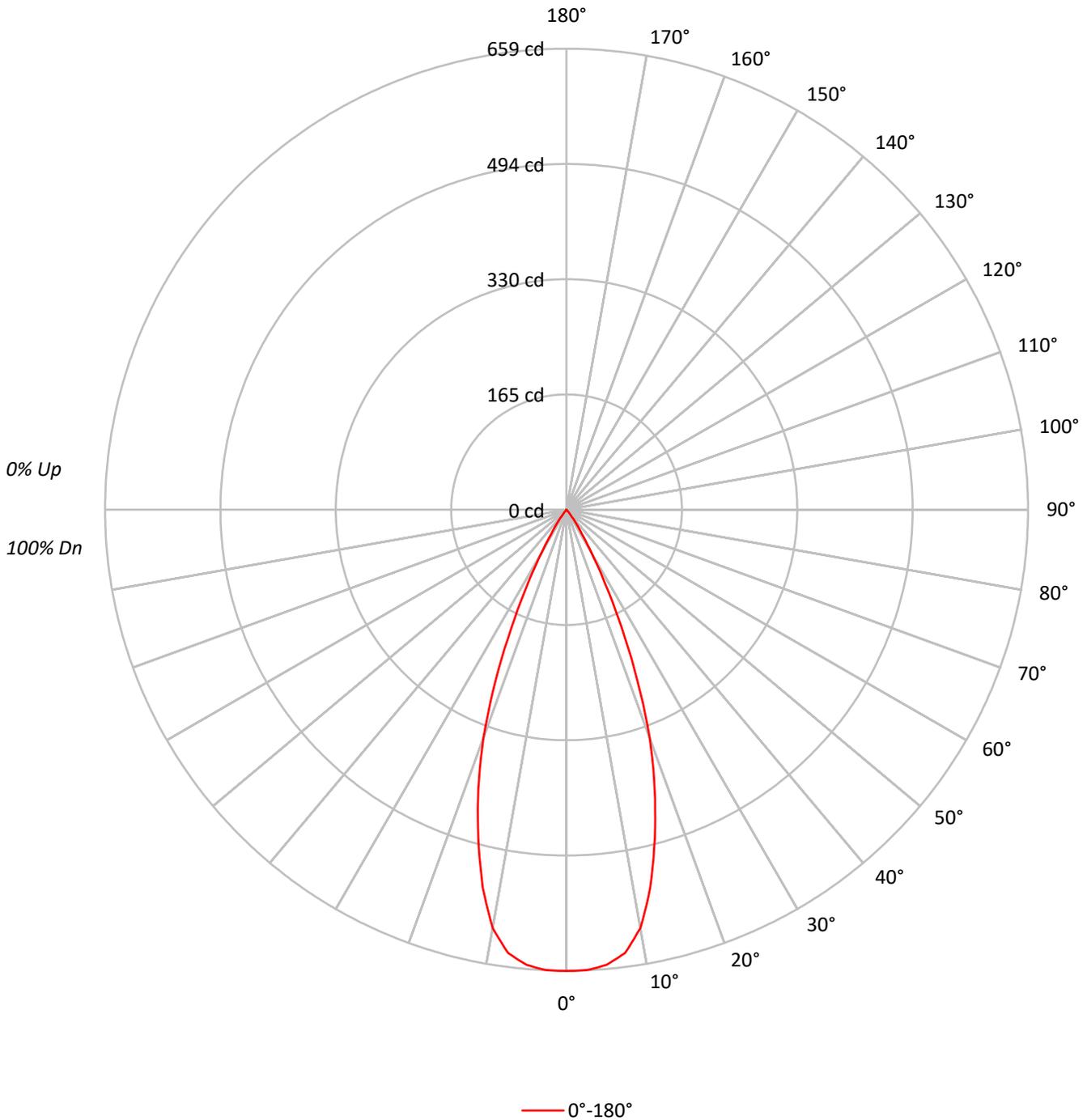
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 298.0 lumens
Efficiency: N/A
Efficacy: 102.8 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): 2.9
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: P1304873
CATALOG NUMBER: P3RT02R45B2750DE010 E3CBUS1MW_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P1304873

CATALOG NUMBER: P3RT02R45B2750DE010 E3CBUS1MW_2700K

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	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°	144550
5°	143759
10°	135179
15°	110489
20°	80997
25°	44906
30°	17952
35°	5862
40°	1374
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: P1304873

CATALOG NUMBER: P3RT02R45B2750DE010 E3CBUS1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.0	20.5
10°-20°	133.3	44.7
20°-30°	86.4	29.0
30°-40°	16.7	5.6
40°-50°	0.6	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°	280.7	94.2
0°-40°	297.4	99.8
0°-60°	298.0	100.0
0°-90°	298.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	298.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	659	
5°	653	61
15°	487	133
25°	186	86
35°	22	17
45°	0	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1304873
CATALOG NUMBER: P3RT02R45B2750DE010 E3CBUS1MW_2700K

CANDELA DISTRIBUTION (FULL):

	0°
0°	659.2
2.5°	658.8
5°	653.1
7.5°	639.1
10°	607.1
12.5°	552.8
15°	486.7
17.5°	418.5
20°	347.1
22.5°	264.4
25°	185.6
27.5°	120.4
30°	70.9
32.5°	40.3
35°	21.9
37.5°	11.4
40°	4.8
42.5°	0.9
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)