

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: P1304297

Luminaire Tested: P3RT02R509735DE010 E3CBUS1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1304297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-91)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3RT02R509735DE010 E3CBUS1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , E3CBUS1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

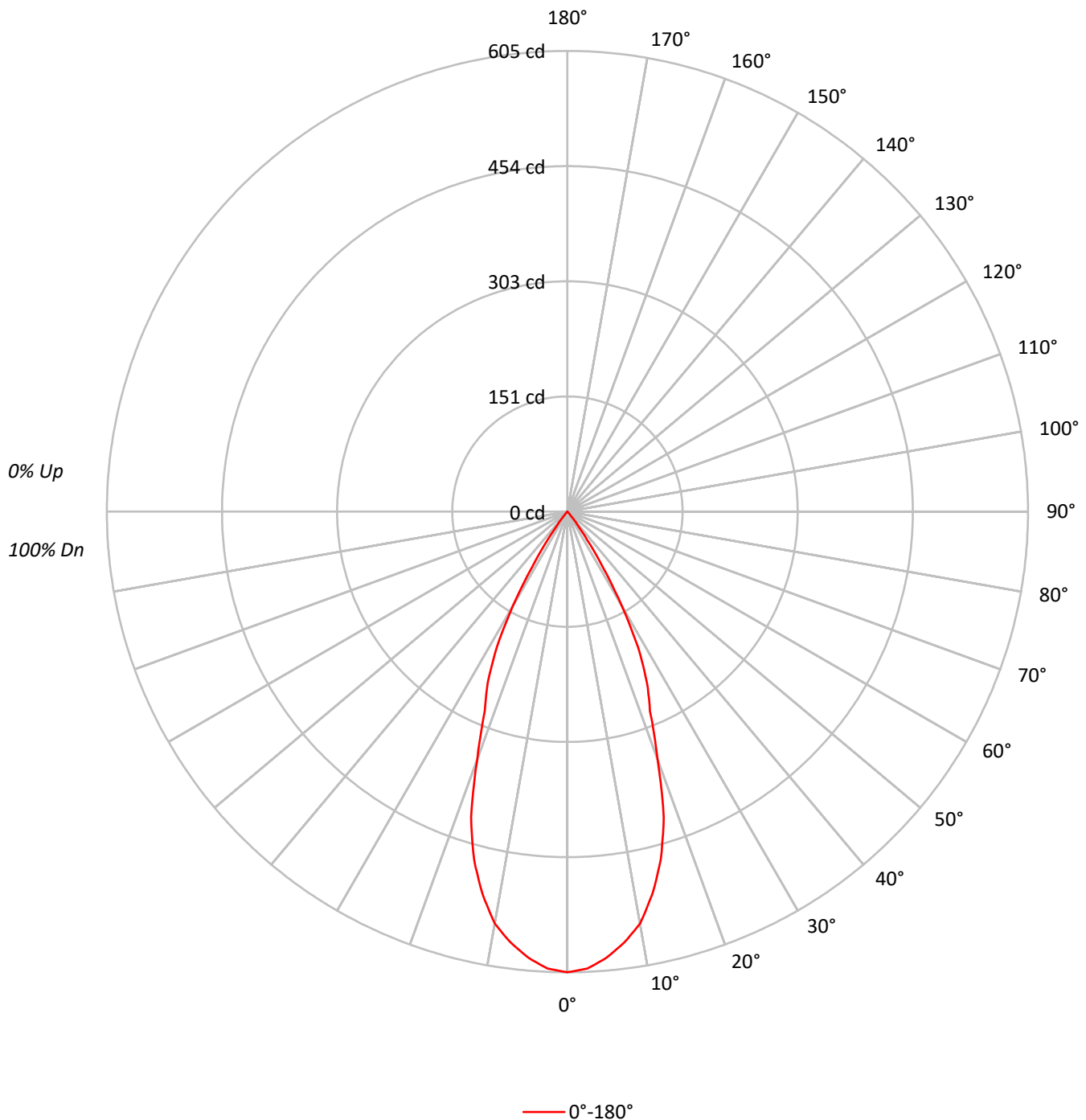
Lumens per Lamp: N/A
Luminaire Lumens: 329.0 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 0.71 / 0.72
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1304297

CATALOG NUMBER: P3RT02R509735DE010 E3CBUS1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1304297

CATALOG NUMBER: P3RT02R509735DE010 E3CBUS1MW

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	105	102	99	108	104	101	98	101	98	96		98	96	94		95
3	105	100	95	92	103	98	94	91	96	93	90		93	91	89		91
4	101	95	90	86	99	93	89	86	91	88	85		89	86	84		88
5	97	90	85	81	95	89	84	81	87	83	80		86	82	79		84
6	93	85	80	77	92	85	80	76	83	79	76		82	78	75		81
7	89	81	76	73	88	81	76	73	80	75	72		79	75	72		77
8	86	78	73	69	85	77	72	69	76	72	69		75	71	69		74
9	83	74	69	66	82	74	69	66	73	69	66		72	68	65		71
10	79	71	66	63	79	71	66	63	70	66	63		69	65	63		69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	132643
5°	129474
10°	122309
15°	107492
20°	80857
25°	59786
30°	36259
35°	11993
40°	2118
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: P1304297

CATALOG NUMBER: P3RT02R509735DE010 E3CBUS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.9	16.7
10°-20°	128.8	39.1
20°-30°	110.4	33.6
30°-40°	34.1	10.4
40°-50°	0.9	0.3
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°	294.1	89.4
0°-40°	328.2	99.7
0°-60°	329.0	100.0
0°-90°	329.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	329.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	605	
5°	588	55
15°	474	129
25°	247	110
35°	45	34
45°	0	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1304297

CATALOG NUMBER: P3RT02R509735DE010 E3CBUS1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	604.9
2.5°	600.5
5°	588.2
7.5°	570.9
10°	549.3
12.5°	514.8
15°	473.5
17.5°	420.8
20°	346.5
22.5°	283.5
25°	247.1
27.5°	200.8
30°	143.2
32.5°	87.1
35°	44.8
37.5°	20.2
40°	7.4
42.5°	1.0
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)