

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: P1303143

Luminaire Tested: P3RT05R509027DE010 E3CBUS1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1303143
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: P3RT05R509027DE010 E3CBUS1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3CBUS1MW TRIM
Light Source: -
Ballast/Driver: -

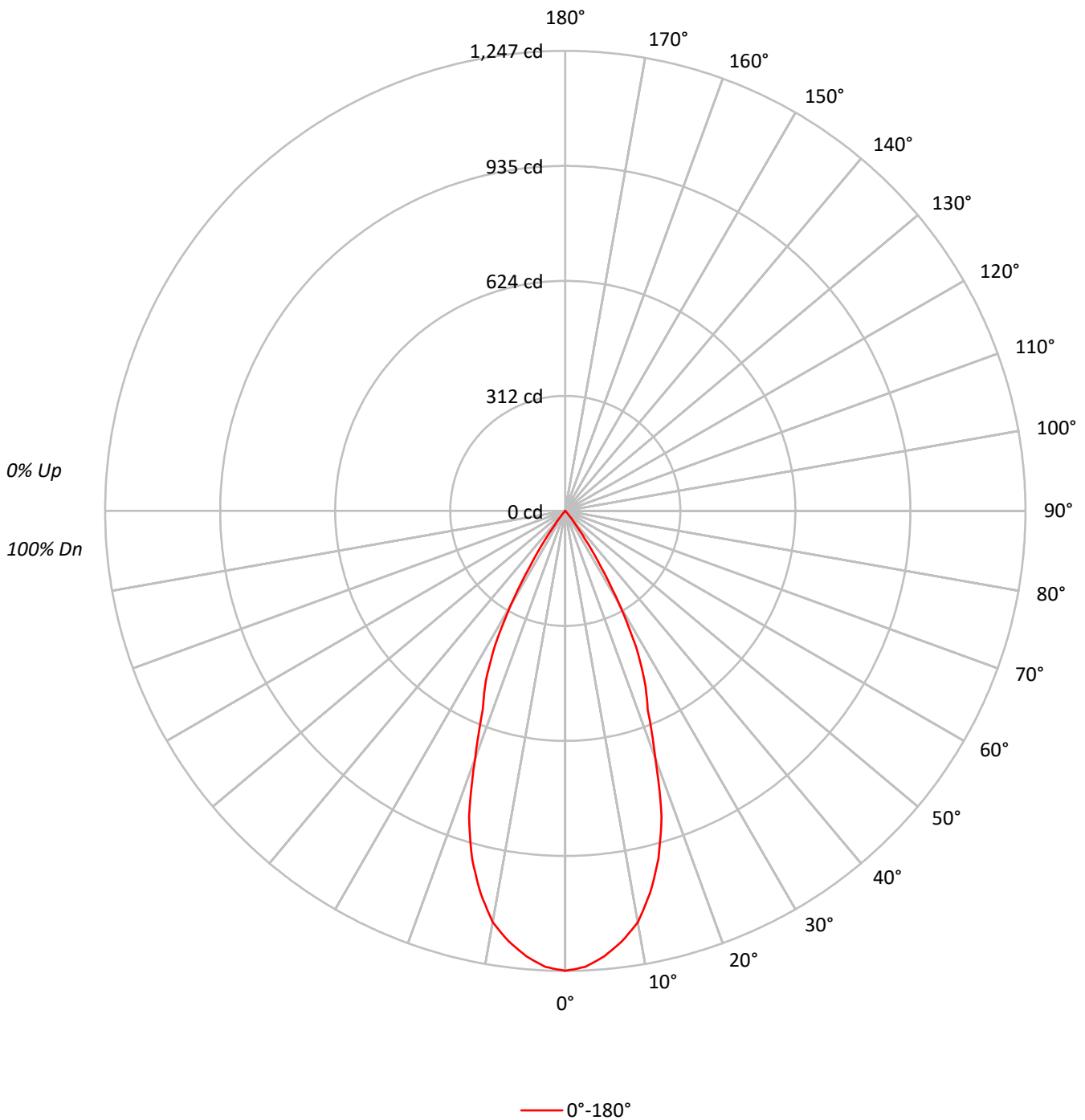
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 678.0 lumens
Efficiency: N/A
Efficacy: 94.2 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): 7.2
Input Voltage (V): NR
Input Current (A_{in}): 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90	90	90	90
3	105	100	95	92	103	98	94	91	96	93	90	93	91	89	91	89	87	86	86	86	86
4	101	95	90	86	99	93	89	86	91	88	85	89	86	84	88	85	83	82	82	82	82
5	97	90	85	81	95	89	84	81	87	83	80	86	82	79	84	81	79	78	78	78	78
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	78	75	74	74	74	74
7	89	81	76	73	88	81	76	73	80	75	72	79	75	72	77	74	72	70	70	70	70
8	86	78	73	69	85	77	72	69	76	72	69	75	71	69	74	71	68	67	67	67	67
9	83	74	69	66	82	74	69	66	73	69	66	72	68	65	71	68	65	64	64	64	64
10	79	71	66	63	79	71	66	63	70	66	63	69	65	63	69	65	62	61	61	61	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	273355
5°	266805
10°	252055
15°	221522
20°	166638
25°	123201
30°	74746
35°	24708
40°	4351
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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.2	16.7
10°-20°	265.4	39.1
20°-30°	227.6	33.6
30°-40°	70.2	10.4
40°-50°	1.7	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°	606.1	89.4
0°-40°	676.3	99.7
0°-60°	678.0	100.0
0°-90°	678.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	678.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1247	
5°	1212	113
15°	976	265
25°	509	228
35°	92	70
45°	0	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1246.6
2.5°	1237.4
5°	1212.1
7.5°	1176.6
10°	1132.0
12.5°	1061.0
15°	975.8
17.5°	867.2
20°	714.1
22.5°	584.2
25°	509.2
27.5°	413.8
30°	295.2
32.5°	179.5
35°	92.3
37.5°	41.6
40°	15.2
42.5°	2.0
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)