

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: P1266357

Luminaire Tested: P3A02R509735DE010 E3DL1WH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1266357
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R509735DE010 E3DL1WH
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

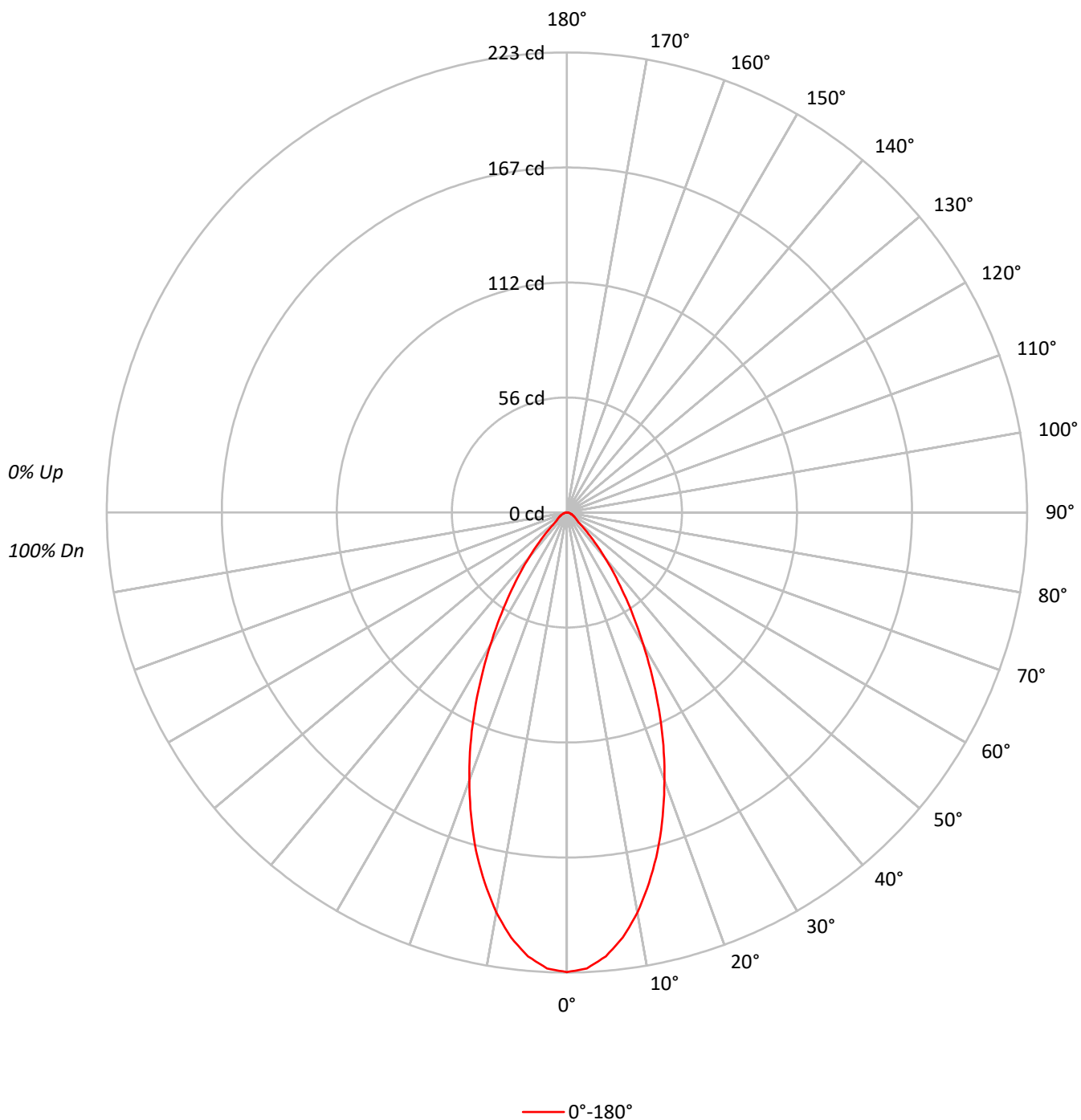
Lumens per Lamp: N/A
Luminaire Lumens: 168.0 lumens
Efficiency: N/A
Efficacy: 46.7 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1266357

CATALOG NUMBER: P3A02R509735DE010 E3DL1WH

Luminous Intensity Polar Plot



TEST NUMBER: P1266357

CATALOG NUMBER: P3A02R509735DE010 E3DL1WH

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93		
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85		
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79		
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73		
5	91	83	76	72	90	82	76	72	80	75	71	78	74	70	77	73	70	68		
6	87	77	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64		
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60		
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56		
9	75	65	59	55	74	64	59	55	63	58	55	63	58	54	62	57	54	53		
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	48856
5°	47546
10°	43842
15°	38570
20°	32249
25°	25574
30°	18762
35°	12903
40°	8187
45°	4590
50°	2490
55°	2103
60°	1798
65°	1660
70°	1475
75°	1356
80°	1137
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4590 cd/sqm

TEST NUMBER: P1266357

CATALOG NUMBER: P3A02R509735DE010 E3DL1WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.0	11.9
10°-20°	47.0	28.0
20°-30°	48.1	28.6
30°-40°	30.5	18.2
40°-50°	12.1	7.2
50°-60°	4.9	2.9
60°-70°	3.1	1.9
70°-80°	1.6	1.0
80°-90°	0.5	0.3
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°	115.2	68.6
0°-40°	145.7	86.7
0°-60°	162.7	96.9
0°-90°	168.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	168.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	223	
5°	216	20
15°	170	47
25°	106	48
35°	48	30
45°	15	12
55°	6	5
65°	3	3
75°	2	2
85°	0	1
90°	0	

TEST NUMBER: P1266357

CATALOG NUMBER: P3A02R509735DE010 E3DL1WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	222.8
2.5°	221.2
5°	216.0
7.5°	207.8
10°	196.9
12.5°	183.9
15°	169.9
17.5°	154.4
20°	138.2
22.5°	122.1
25°	105.7
27.5°	89.4
30°	74.1
32.5°	60.5
35°	48.2
37.5°	37.7
40°	28.6
42.5°	21.1
45°	14.8
47.5°	10.0
50°	7.3
52.5°	6.1
55°	5.5
57.5°	4.8
60°	4.1
62.5°	3.6
65°	3.2
67.5°	2.7
70°	2.3
72.5°	1.8
75°	1.6
77.5°	1.1
80°	0.9
82.5°	0.7
85°	0.5
87.5°	0.2
90°	0.0

(END OF REPORT)