

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: P1272913

Luminaire Tested: P3A02R159830DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272913
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R159830DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

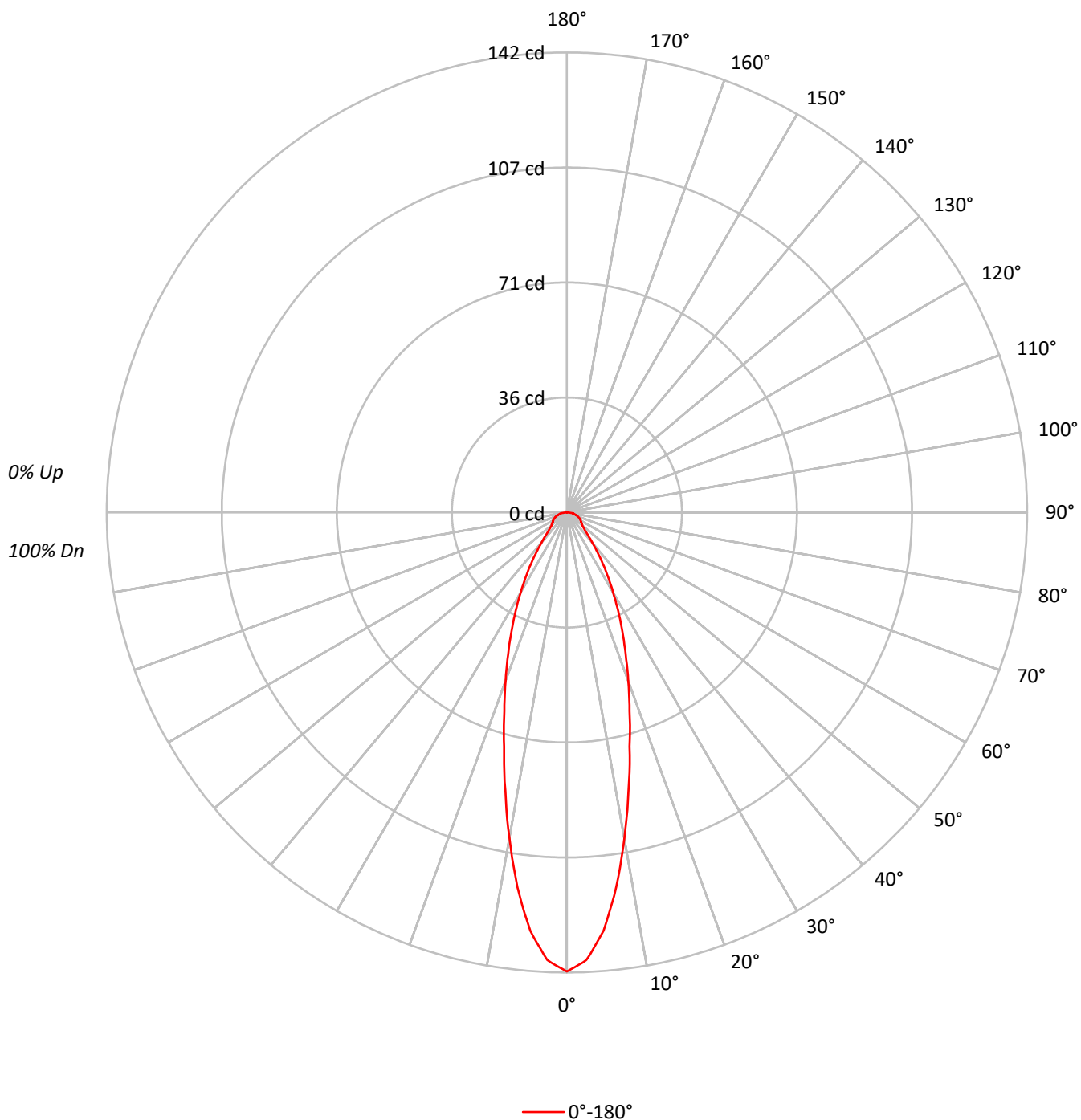
Lumens per Lamp: N/A
Luminaire Lumens: 83.0 lumens
Efficiency: N/A
Efficacy: 23.1 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1272913

CATALOG NUMBER: P3A02R159830DE010 E3PHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1272913

CATALOG NUMBER: P3A02R159830DE010 E3PHLP1MW

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	112	108	105	102	109	106	103	100	102	99	97		98	96	94		95
2	105	99	94	90	102	97	92	89	94	90	87		91	87	85		88
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82
4	93	84	78	73	91	83	77	72	81	76	71		79	74	71		77
5	88	78	72	67	86	77	71	67	76	70	66		74	69	65		72
6	83	73	67	62	82	73	66	62	71	65	61		70	65	61		68
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	59	54	74	65	58	54	63	58	54		62	57	54		61
9	72	62	55	51	71	61	55	51	60	55	51		59	54	51		58
10	69	59	52	48	68	58	52	48	57	52	48		56	51	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31072
5°	28527
10°	22734
15°	16981
20°	12904
25°	9775
30°	7216
35°	5166
40°	3521
45°	2481
50°	2115
55°	2064
60°	2149
65°	2283
70°	2308
75°	2372
80°	2652
85°	2516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 3024 cd/sqm

TEST NUMBER: P1272913

CATALOG NUMBER: P3A02R159830DE010 E3PHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	13.8
10°-20°	21.0	25.3
20°-30°	18.6	22.4
30°-40°	12.2	14.7
40°-50°	6.5	7.8
50°-60°	4.9	5.9
60°-70°	4.2	5.1
70°-80°	2.9	3.5
80°-90°	1.2	1.4
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°	51.1	61.5
0°-40°	63.2	76.2
0°-60°	74.7	89.9
0°-90°	83.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	83.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	142	
5°	130	11
15°	75	21
25°	40	19
35°	19	12
45°	8	7
55°	5	5
65°	4	4
75°	3	3
85°	1	1
90°	0	

TEST NUMBER: P1272913

CATALOG NUMBER: P3A02R159830DE010 E3PHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	141.7
2.5°	138.3
5°	129.6
7.5°	116.7
10°	102.1
12.5°	87.9
15°	74.8
17.5°	64.3
20°	55.3
22.5°	47.3
25°	40.4
27.5°	34.2
30°	28.5
32.5°	23.7
35°	19.3
37.5°	15.4
40°	12.3
42.5°	9.8
45°	8.0
47.5°	6.9
50°	6.2
52.5°	5.9
55°	5.4
57.5°	5.1
60°	4.9
62.5°	4.6
65°	4.4
67.5°	3.9
70°	3.6
72.5°	3.1
75°	2.8
77.5°	2.3
80°	2.1
82.5°	1.8
85°	1.0
87.5°	0.5
90°	0.0

(END OF REPORT)