

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: P1268574

Luminaire Tested: P3A02R209740DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268574
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R209740DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

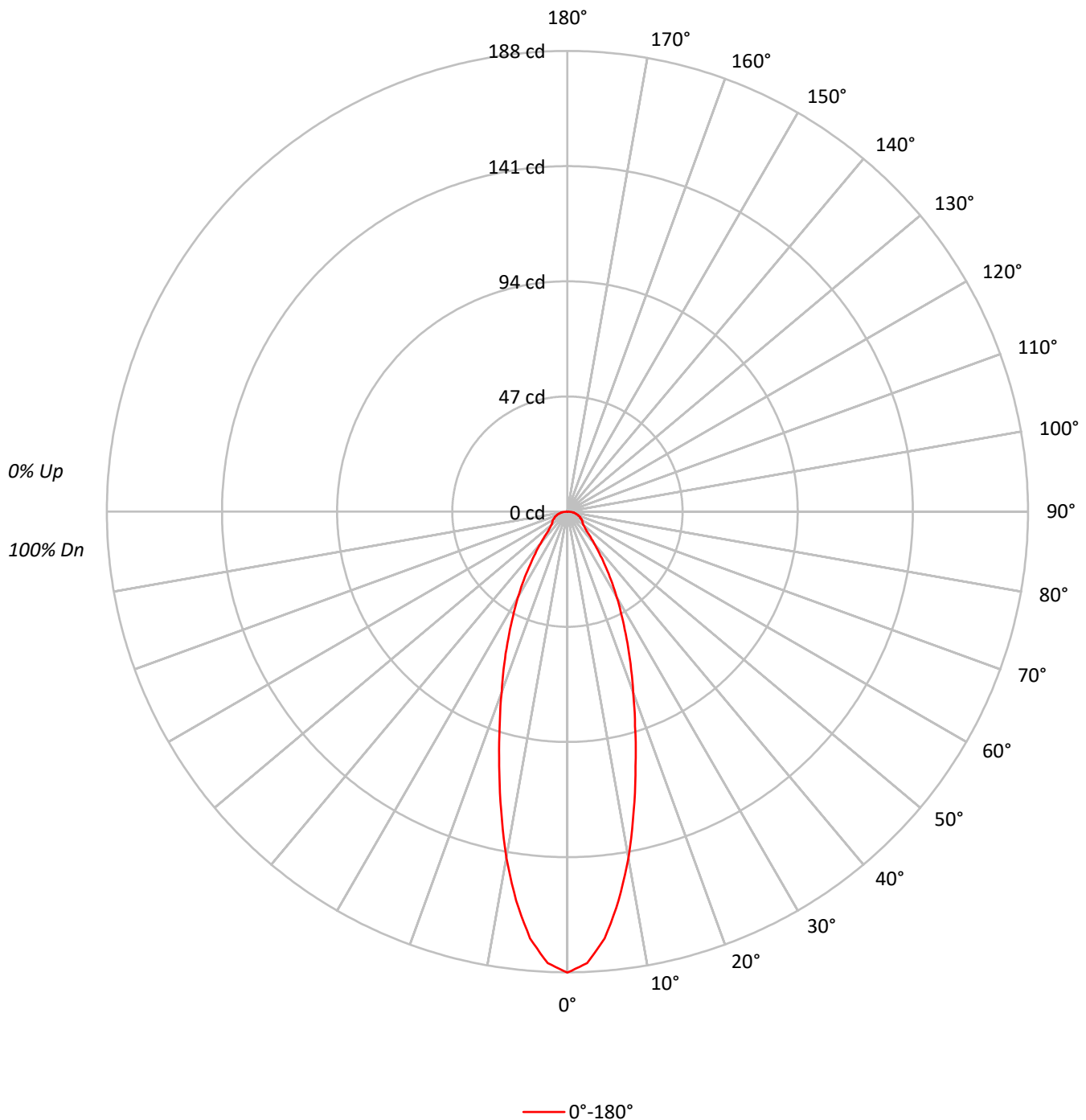
Lumens per Lamp: N/A
Luminaire Lumens: 116.0 lumens
Efficiency: N/A
Efficacy: 32.2 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1268574

CATALOG NUMBER: P3A02R209740DE010 E3PHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1268574

CATALOG NUMBER: P3A02R209740DE010 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	101	102	100	97		98	96	95		95
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82
4	93	84	78	73	91	83	77	73	81	76	72		79	74	71		77
5	88	79	72	67	86	78	71	67	76	70	66		74	69	65		72
6	84	74	67	62	82	73	66	62	71	66	61		70	65	61		68
7	79	69	63	58	78	68	62	58	67	62	57		66	61	57		65
8	76	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	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	41247
5°	38477
10°	31930
15°	24404
20°	18318
25°	13791
30°	10204
35°	7121
40°	4895
45°	3380
50°	2900
55°	2867
60°	2982
65°	3009
70°	3077
75°	3219
80°	3410
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 4032 cd/sqm

TEST NUMBER: P1268574

CATALOG NUMBER: P3A02R209740DE010 E3PHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	13.5
10°-20°	29.9	25.8
20°-30°	26.3	22.7
30°-40°	17.0	14.6
40°-50°	9.0	7.8
50°-60°	6.8	5.8
60°-70°	5.7	5.0
70°-80°	4.1	3.5
80°-90°	1.6	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°	71.9	61.9
0°-40°	88.8	76.6
0°-60°	104.6	90.2
0°-90°	116.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	116.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	188	
5°	175	16
15°	108	30
25°	57	26
35°	27	17
45°	11	9
55°	8	7
65°	6	6
75°	4	4
85°	1	2
90°	0	

TEST NUMBER: P1268574

CATALOG NUMBER: P3A02R209740DE010 E3PHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	188.1
2.5°	184.4
5°	174.8
7.5°	160.1
10°	143.4
12.5°	125.0
15°	107.5
17.5°	91.8
20°	78.5
22.5°	67.3
25°	57.0
27.5°	48.1
30°	40.3
32.5°	33.1
35°	26.6
37.5°	21.5
40°	17.1
42.5°	13.7
45°	10.9
47.5°	9.6
50°	8.5
52.5°	7.9
55°	7.5
57.5°	7.2
60°	6.8
62.5°	6.1
65°	5.8
67.5°	5.5
70°	4.8
72.5°	4.4
75°	3.8
77.5°	3.4
80°	2.7
82.5°	2.4
85°	1.4
87.5°	0.7
90°	0.0

(END OF REPORT)