

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: P1270561

Luminaire Tested: P3A20R309740D010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270561
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R309740D010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

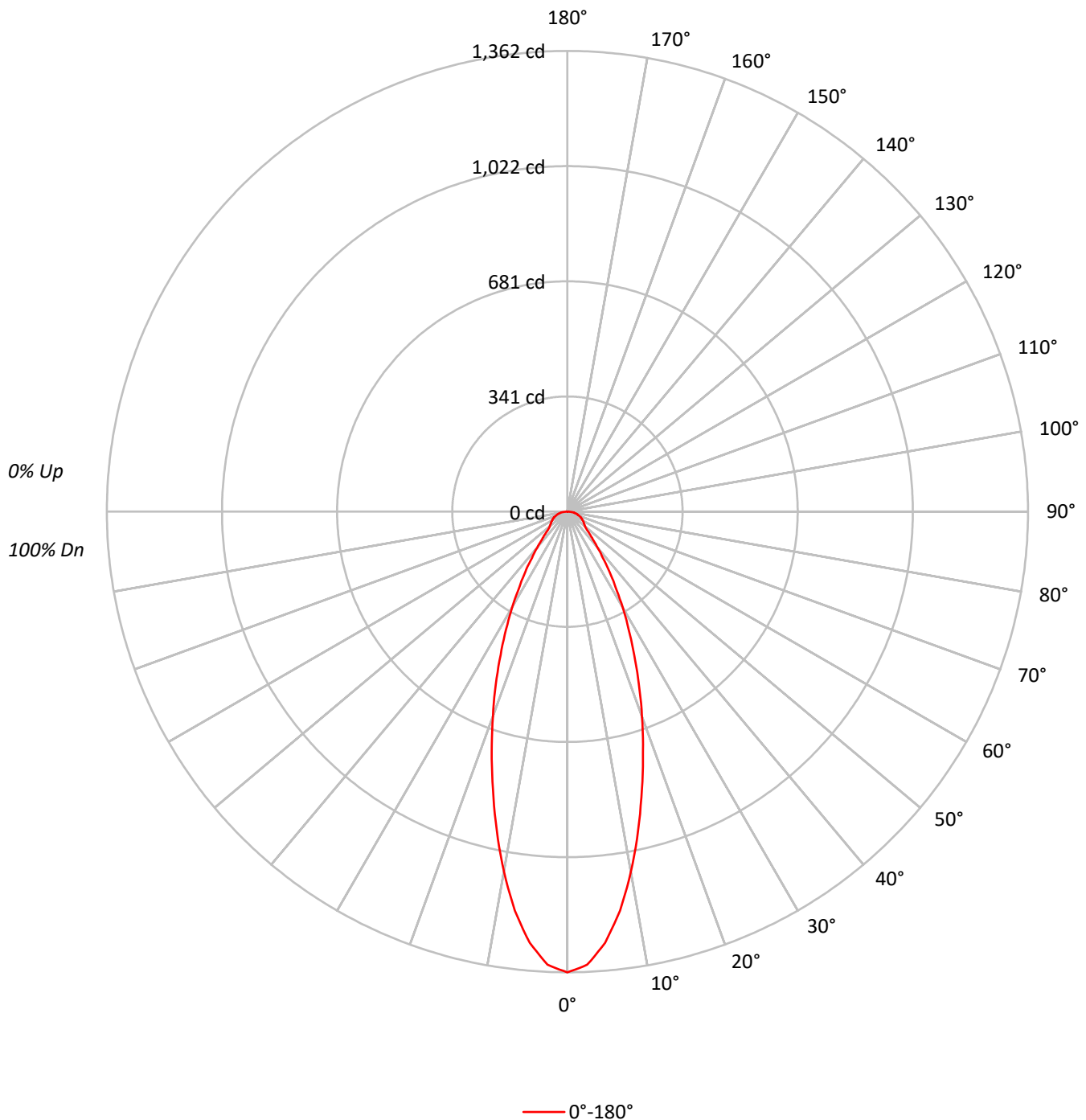
Lumens per Lamp: N/A
Luminaire Lumens: 920.0 lumens
Efficiency: N/A
Efficacy: 31.9 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1270561

CATALOG NUMBER: P3A20R309740D010 E3PHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1270561

CATALOG NUMBER: P3A20R309740D010 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	94		95
2	105	99	94	90	103	97	93	89	94	90	87		91	88	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	66	75	70	66		74	69	65		72
6	83	73	67	62	82	72	66	62	71	65	61		69	64	61		68
7	79	69	62	57	78	68	62	57	67	61	57		66	60	57		64
8	75	65	58	54	74	64	58	54	63	57	53		62	57	53		61
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58
10	68	58	52	48	67	58	52	48	57	51	48		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	298704
5°	281663
10°	240766
15°	192941
20°	150396
25°	113087
30°	82494
35°	58143
40°	39875
45°	28561
50°	23368
55°	22556
60°	22761
65°	23297
70°	24235
75°	26010
80°	26771
85°	29688

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 31752 cd/sqm

TEST NUMBER: P1270561

CATALOG NUMBER: P3A20R309740D010 E3PHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.8	12.6
10°-20°	236.2	25.7
20°-30°	215.2	23.4
30°-40°	136.9	14.9
40°-50°	73.3	8.0
50°-60°	53.6	5.8
60°-70°	45.0	4.9
70°-80°	31.5	3.4
80°-90°	12.5	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°	567.1	61.6
0°-40°	704.1	76.5
0°-60°	831.0	90.3
0°-90°	920.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	920.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1362	
5°	1280	116
15°	850	236
25°	467	215
35°	217	137
45°	92	73
55°	59	54
65°	45	45
75°	31	31
85°	12	13
90°	0	

TEST NUMBER: P1270561

CATALOG NUMBER: P3A20R309740D010 E3PHLP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1362.2
2.5°	1341.0
5°	1279.6
7.5°	1189.9
10°	1081.3
12.5°	965.6
15°	849.9
17.5°	743.7
20°	644.5
22.5°	552.4
25°	467.4
27.5°	391.9
30°	325.8
32.5°	264.4
35°	217.2
37.5°	172.3
40°	139.3
42.5°	111.0
45°	92.1
47.5°	75.5
50°	68.5
52.5°	63.7
55°	59.0
57.5°	56.7
60°	51.9
62.5°	49.6
65°	44.9
67.5°	42.5
70°	37.8
72.5°	33.1
75°	30.7
77.5°	26.0
80°	21.2
82.5°	18.9
85°	11.8
87.5°	4.7
90°	0.0

(END OF REPORT)