

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: P1270471

Luminaire Tested: P3A20R159740D010 E3PHLP1MW

Issue Date: 1/29/2026

**Test Information**

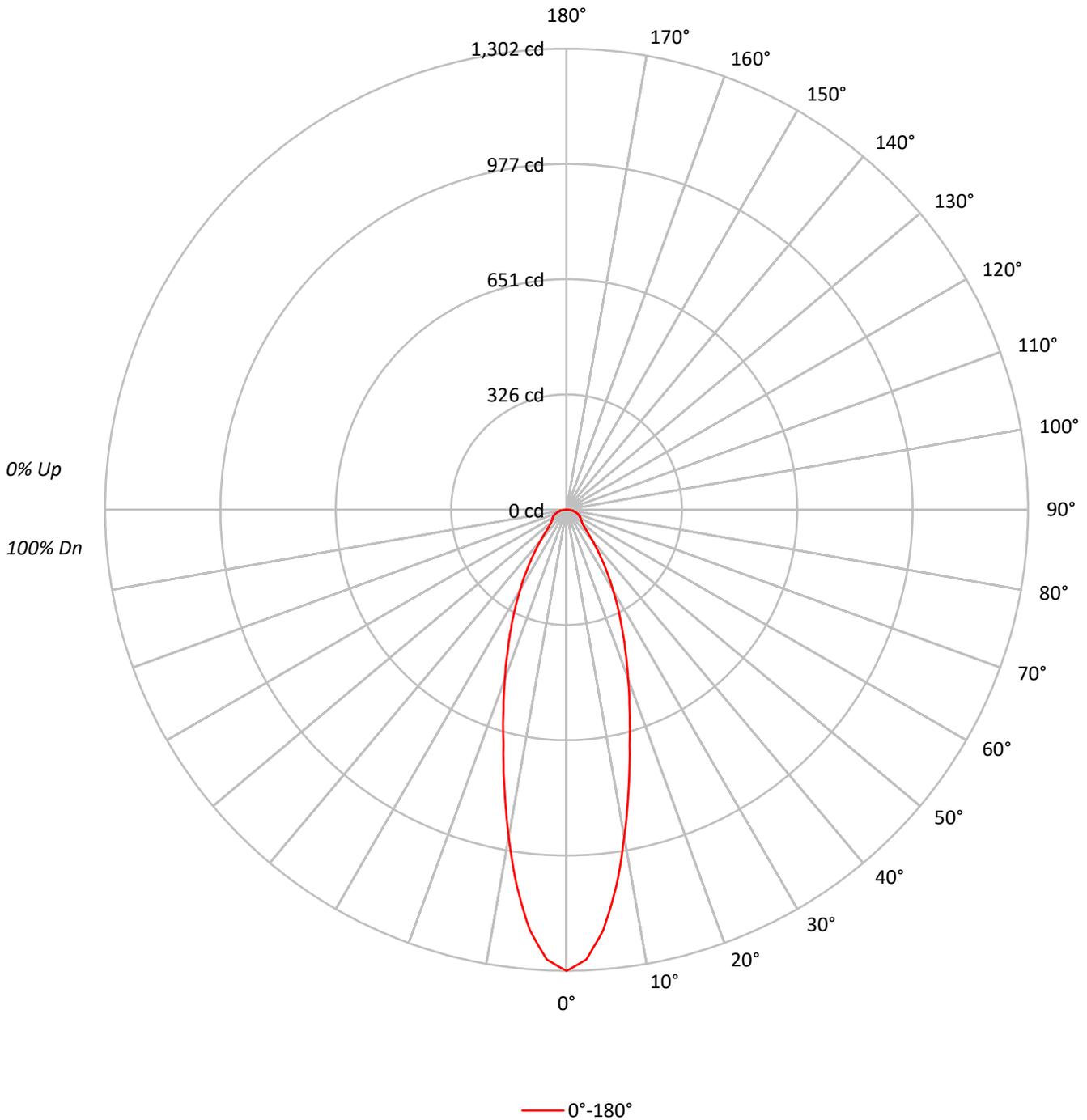
Test Method: LM-79-2019  
Report Number: P1270471  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A20R159740D010 E3PHLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 763.0 lumens  
Efficiency: N/A  
Efficacy: 26.5 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): 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: P1270471  
CATALOG NUMBER: P3A20R159740D010 E3PHLP1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1270471

CATALOG NUMBER: P3A20R159740D010 E3PHLP1MW

**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	102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	95	93	92	95	93	92	90
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	88	85	83	81
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	82	79	76	74
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	77	73	70	68
5	88	78	72	67	86	77	71	67	76	70	66	74	69	65	72	68	65	72	68	65	63
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	68	64	60	59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	65	60	57	55
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	61	57	53	52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	58	54	50	49
10	69	59	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	56	51	48	46

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	285569
5°	262205
10°	208925
15°	156142
20°	118590
25°	89787
30°	66441
35°	47462
40°	32489
45°	22731
50°	19343
55°	18962
60°	19691
65°	20858
70°	21222
75°	22028
80°	23867
85°	23902

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 82.5°  
 Luminance: 27720 cd/sqm



TEST NUMBER: P1270471  
 CATALOG NUMBER: P3A20R159740D010 E3PHLP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.5	13.8
10°-20°	192.9	25.3
20°-30°	170.9	22.4
30°-40°	111.9	14.7
40°-50°	59.8	7.8
50°-60°	45.2	5.9
60°-70°	38.9	5.1
70°-80°	26.8	3.5
80°-90°	10.9	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°	469.3	61.5
0°-40°	581.3	76.2
0°-60°	686.3	89.9
0°-90°	763.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	763.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1302	
5°	1191	106
15°	688	193
25°	371	171
35°	177	112
45°	73	60
55°	50	45
65°	40	39
75°	26	27
85°	10	11
90°	0	



TEST NUMBER: P1270471  
CATALOG NUMBER: P3A20R159740D010 E3PHLP1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1302.3
2.5°	1271.6
5°	1191.2
7.5°	1073.1
10°	938.3
12.5°	808.3
15°	687.8
17.5°	590.9
20°	508.2
22.5°	434.9
25°	371.1
27.5°	314.4
30°	262.4
32.5°	217.4
35°	177.3
37.5°	141.8
40°	113.5
42.5°	89.8
45°	73.3
47.5°	63.8
50°	56.7
52.5°	54.4
55°	49.6
57.5°	47.3
60°	44.9
62.5°	42.5
65°	40.2
67.5°	35.5
70°	33.1
72.5°	28.4
75°	26.0
77.5°	21.3
80°	18.9
82.5°	16.5
85°	9.5
87.5°	4.7
90°	0.0

(END OF REPORT)