

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: P1270093

Luminaire Tested: P3A17R159740DE010 E3PHLP1MW

Issue Date: 1/29/2026

**Test Information**

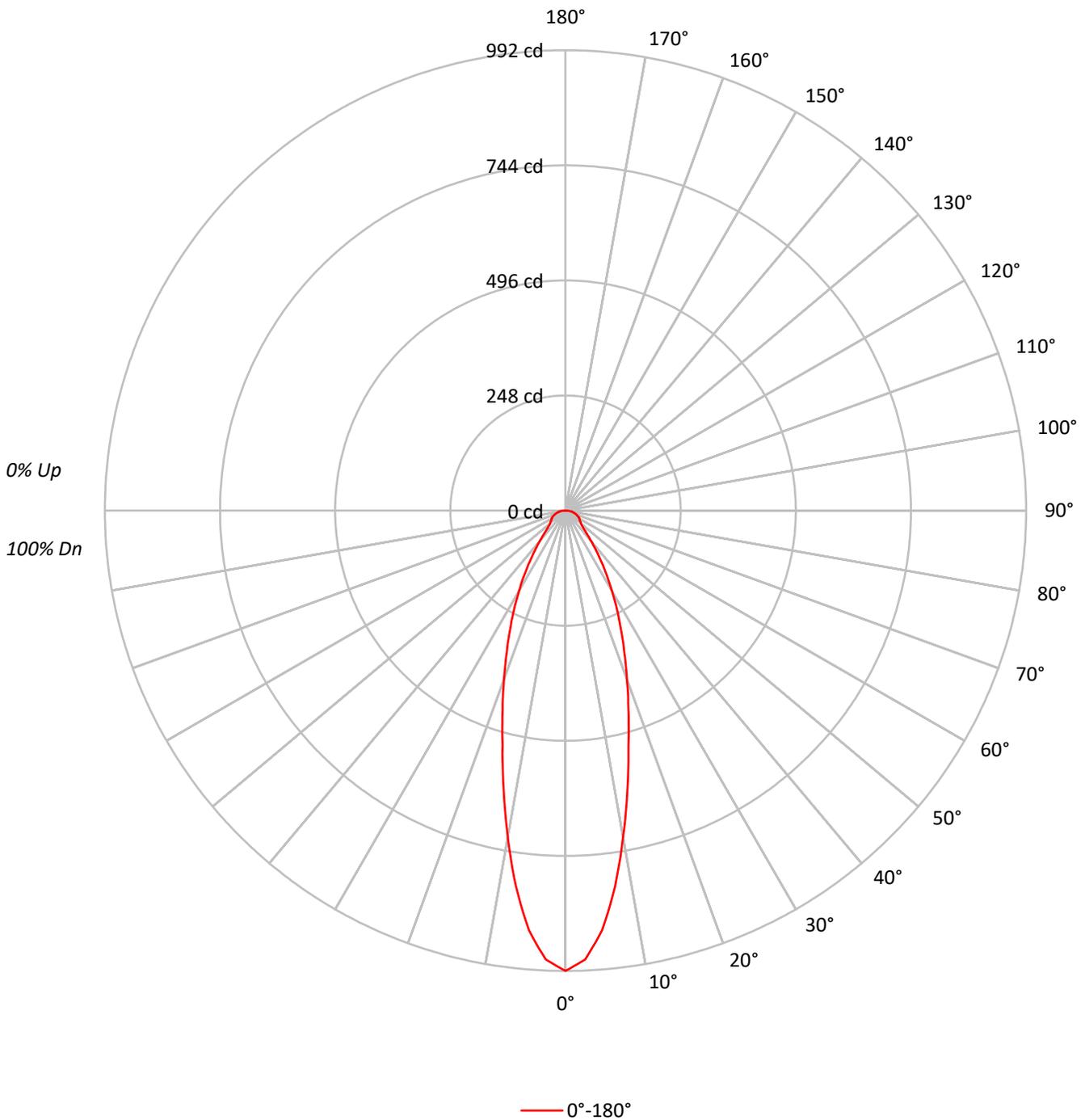
Test Method: LM-79-2019  
Report Number: P1270093  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R159740DE010 E3PHLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 581.0 lumens  
Efficiency: N/A  
Efficacy: 27.4 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): 21.2  
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: P1270093  
CATALOG NUMBER: P3A17R159740DE010 E3PHLP1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1270093  
 CATALOG NUMBER: P3A17R159740DE010 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	100	100	100	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	95	93	92	90	90	90	90
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81	81	81	81
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68	68	68	68
5	88	78	72	67	86	77	71	67	76	70	66	74	69	65	72	68	65	63	63	63	63
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59	59	59	59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55	55	55	55
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52	52	52	52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49	49	49	49
10	69	59	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	46	46	46	46

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

	0°
0°	217461
5°	199669
10°	159093
15°	118888
20°	90308
25°	68375
30°	50590
35°	36138
40°	24732
45°	17304
50°	14737
55°	14451
60°	14999
65°	15877
70°	16157
75°	16775
80°	18184
85°	18115

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 82.5°  
 Luminance: 21168 cd/sqm



TEST NUMBER: P1270093  
 CATALOG NUMBER: P3A17R159740DE010 E3PHLP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.3	13.8
10°-20°	146.9	25.3
20°-30°	130.2	22.4
30°-40°	85.2	14.7
40°-50°	45.6	7.8
50°-60°	34.4	5.9
60°-70°	29.6	5.1
70°-80°	20.4	3.5
80°-90°	8.3	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°	357.4	61.5
0°-40°	442.6	76.2
0°-60°	522.6	89.9
0°-90°	581.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	581.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	992	
5°	907	80
15°	524	147
25°	283	130
35°	135	85
45°	56	46
55°	38	34
65°	31	30
75°	20	20
85°	7	8
90°	0	



TEST NUMBER: P1270093  
CATALOG NUMBER: P3A17R159740DE010 E3PHLP1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	991.7
2.5°	968.3
5°	907.1
7.5°	817.1
10°	714.5
12.5°	615.5
15°	523.7
17.5°	449.9
20°	387.0
22.5°	331.2
25°	282.6
27.5°	239.4
30°	199.8
32.5°	165.6
35°	135.0
37.5°	108.0
40°	86.4
42.5°	68.4
45°	55.8
47.5°	48.6
50°	43.2
52.5°	41.4
55°	37.8
57.5°	36.0
60°	34.2
62.5°	32.4
65°	30.6
67.5°	27.0
70°	25.2
72.5°	21.6
75°	19.8
77.5°	16.2
80°	14.4
82.5°	12.6
85°	7.2
87.5°	3.6
90°	0.0

(END OF REPORT)