

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: P1291993

Luminaire Tested: P3AS09R20W2N902750DE010 E3PHLP1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

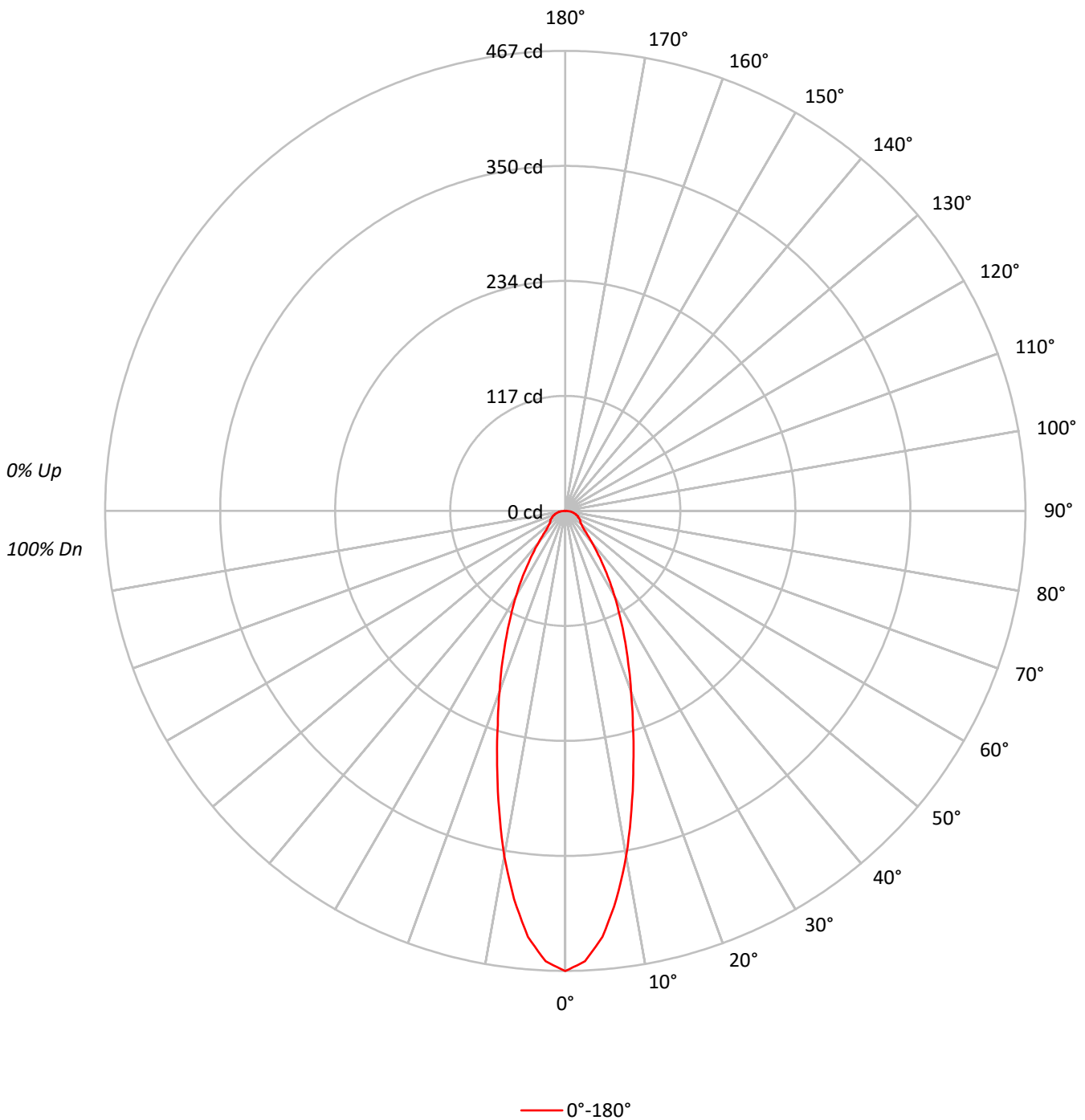
Test Method: LM-79-2019  
Report Number: P1291993  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R20W2N902750DE010 E3PHLP1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,  
E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 288.0 lumens  
Efficiency: N/A  
Efficacy: 32.0 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): 9  
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: P1291993  
CATALOG NUMBER: P3AS09R20W2N902750DE010 E3PHLP1MW\_5000K

### Luminous Intensity Polar Plot





TEST NUMBER: P1291993

CATALOG NUMBER: P3AS09R20W2N902750DE010 E3PHLP1MW\_5000K

**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	101	102	100	97	98	96	95	95	93	92	90	90	90	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81	81	81	81
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
4	93	84	78	73	91	83	77	73	81	76	72	79	74	71	77	73	70	68	68	68	68
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63	63	63	63
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59	59	59	59
7	79	69	63	58	78	68	62	58	67	62	57	66	61	57	65	60	57	55	55	55	55
8	76	65	59	54	74	65	58	54	64	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	57	52	48	56	51	48	46	46	46	46

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

	0°
0°	102426
5°	95531
10°	79268
15°	60613
20°	45504
25°	34260
30°	25320
35°	17694
40°	12137
45°	8404
50°	7232
55°	7111
60°	7456
65°	7472
70°	7629
75°	7879
80°	8587
85°	8554

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 82.5°  
 Luminance: 9912 cd/sqm



TEST NUMBER: P1291993

CATALOG NUMBER: P3AS09R20W2N902750DE010 E3PHLP1MW\_5000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.9	13.5
10°-20°	74.2	25.8
20°-30°	65.3	22.7
30°-40°	42.2	14.6
40°-50°	22.3	7.8
50°-60°	16.8	5.8
60°-70°	14.3	5.0
70°-80°	10.1	3.5
80°-90°	3.9	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°	178.4	62.0
0°-40°	220.6	76.6
0°-60°	259.7	90.2
0°-90°	288.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	288.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	467	
5°	434	39
15°	267	74
25°	142	65
35°	66	42
45°	27	22
55°	19	17
65°	14	14
75°	9	10
85°	3	4
90°	0	



TEST NUMBER: P1291993

CATALOG NUMBER: P3AS09R20W2N902750DE010 E3PHLP1MW\_5000K

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	467.1
2.5°	457.7
5°	434.0
7.5°	397.5
10°	356.0
12.5°	310.2
15°	267.0
17.5°	228.0
20°	195.0
22.5°	167.0
25°	141.6
27.5°	119.5
30°	100.0
32.5°	82.2
35°	66.1
37.5°	53.4
40°	42.4
42.5°	33.9
45°	27.1
47.5°	23.7
50°	21.2
52.5°	19.5
55°	18.6
57.5°	17.8
60°	17.0
62.5°	15.3
65°	14.4
67.5°	13.6
70°	11.9
72.5°	11.0
75°	9.3
77.5°	8.5
80°	6.8
82.5°	5.9
85°	3.4
87.5°	1.7
90°	0.0

(END OF REPORT)