

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: P1291989

Luminaire Tested: P3A09R20W2N902750DE010 E3PHLP1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291989
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: P3A09R20W2N902750DE010 E3PHLP1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

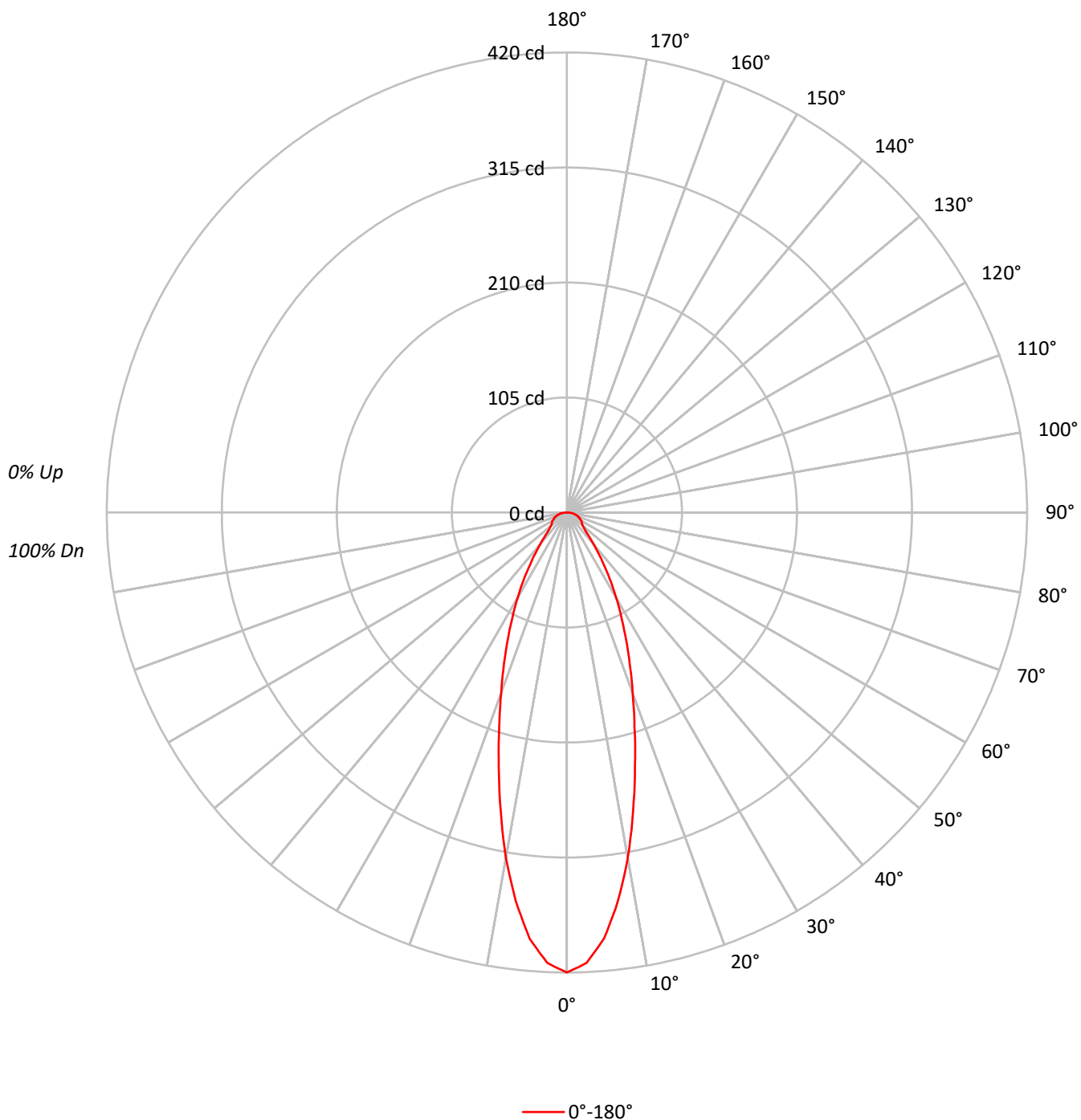
Lumens per Lamp: N/A
Luminaire Lumens: 259.0 lumens
Efficiency: N/A
Efficacy: 28.8 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	97		98	96	95		95	93	92	90
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	78	73	91	83	77	73	81	76	72		79	74	71		77	73	70	68
5	88	79	72	67	86	78	71	67	76	70	66		74	69	66		72	68	65	63
6	84	74	67	62	82	73	66	62	71	66	61		70	65	61		68	64	61	59
7	79	69	63	58	78	68	62	58	67	62	57		66	61	57		65	60	57	55
8	76	65	59	54	74	65	58	54	64	58	54		62	57	54		61	57	53	52
9	72	62	55	51	71	61	55	51	60	55	51		59	54	51		58	54	51	49
10	69	59	52	48	68	58	52	48	57	52	48		57	52	48		56	51	48	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92098
5°	85912
10°	71297
15°	54507
20°	40907
25°	30800
30°	22788
35°	15928
40°	10906
45°	7567
50°	6516
55°	6423
60°	6666
65°	6745
70°	6860
75°	7117
80°	7703
85°	7548

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 8904 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.0	13.5
10°-20°	66.8	25.8
20°-30°	58.7	22.7
30°-40°	37.9	14.6
40°-50°	20.1	7.8
50°-60°	15.1	5.8
60°-70°	12.8	5.0
70°-80°	9.1	3.5
80°-90°	3.5	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°	160.5	62.0
0°-40°	198.4	76.6
0°-60°	233.6	90.2
0°-90°	259.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	259.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	420	
5°	390	35
15°	240	67
25°	127	59
35°	60	38
45°	24	20
55°	17	15
65°	13	13
75°	8	9
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	420.0
2.5°	411.6
5°	390.3
7.5°	357.5
10°	320.2
12.5°	279.0
15°	240.1
17.5°	205.1
20°	175.3
22.5°	150.2
25°	127.3
27.5°	107.5
30°	90.0
32.5°	73.9
35°	59.5
37.5°	48.0
40°	38.1
42.5°	30.5
45°	24.4
47.5°	21.3
50°	19.1
52.5°	17.5
55°	16.8
57.5°	16.0
60°	15.2
62.5°	13.7
65°	13.0
67.5°	12.2
70°	10.7
72.5°	9.9
75°	8.4
77.5°	7.6
80°	6.1
82.5°	5.3
85°	3.0
87.5°	1.5
90°	0.0

(END OF REPORT)