

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: P1291990

Luminaire Tested: P3A09R20W2N902750DE010 E3PHLP1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291990
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

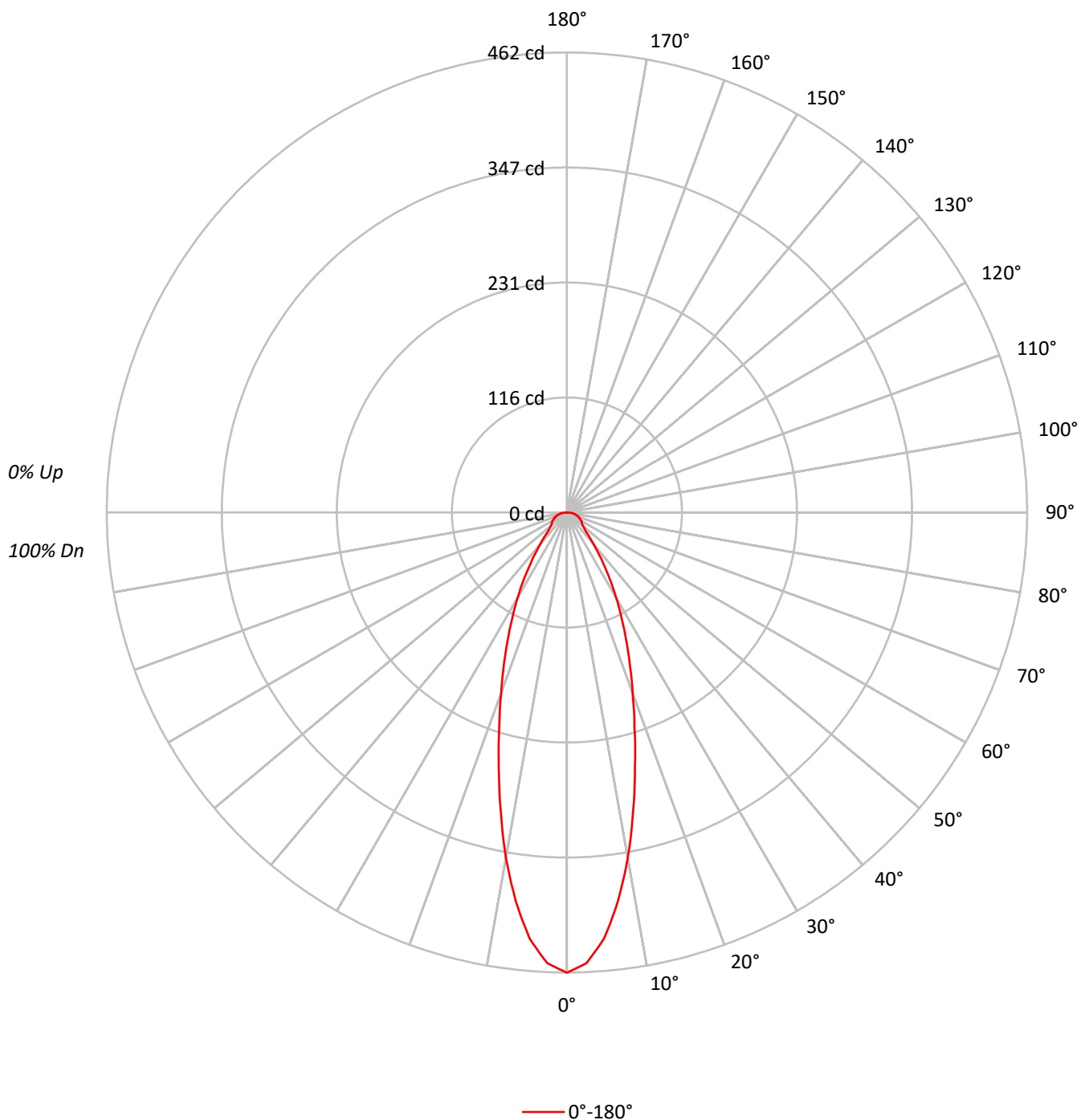
Lumens per Lamp: N/A
Luminaire Lumens: 285.0 lumens
Efficiency: N/A
Efficacy: 31.7 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	50	49
10	69	59	52	48	68	58	52	48	57	52	48		56	52	48		56	51	48	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	101352
5°	94541
10°	78444
15°	59978
20°	45014
25°	33897
30°	25067
35°	17507
40°	11994
45°	8311
50°	7164
55°	7073
60°	7368
65°	7420
70°	7501
75°	7795
80°	8461
85°	8554

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 9912 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.5	13.5
10°-20°	73.5	25.8
20°-30°	64.6	22.7
30°-40°	41.7	14.6
40°-50°	22.1	7.8
50°-60°	16.6	5.8
60°-70°	14.1	5.0
70°-80°	10.0	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°	176.6	62.0
0°-40°	218.3	76.6
0°-60°	257.0	90.2
0°-90°	285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	285.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	462	
5°	430	38
15°	264	73
25°	140	65
35°	65	42
45°	27	22
55°	18	17
65°	14	14
75°	9	10
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	462.2
2.5°	453.0
5°	429.5
7.5°	393.4
10°	352.3
12.5°	307.0
15°	264.2
17.5°	225.6
20°	192.9
22.5°	165.2
25°	140.1
27.5°	118.3
30°	99.0
32.5°	81.4
35°	65.4
37.5°	52.8
40°	41.9
42.5°	33.6
45°	26.8
47.5°	23.5
50°	21.0
52.5°	19.3
55°	18.5
57.5°	17.6
60°	16.8
62.5°	15.1
65°	14.3
67.5°	13.4
70°	11.7
72.5°	10.9
75°	9.2
77.5°	8.4
80°	6.7
82.5°	5.9
85°	3.4
87.5°	1.7
90°	0.0

(END OF REPORT)