

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: P1291987

Luminaire Tested: P3A09R20W2N902750DE010 E3PHLD1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R20W2N902750DE010 E3PHLD1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

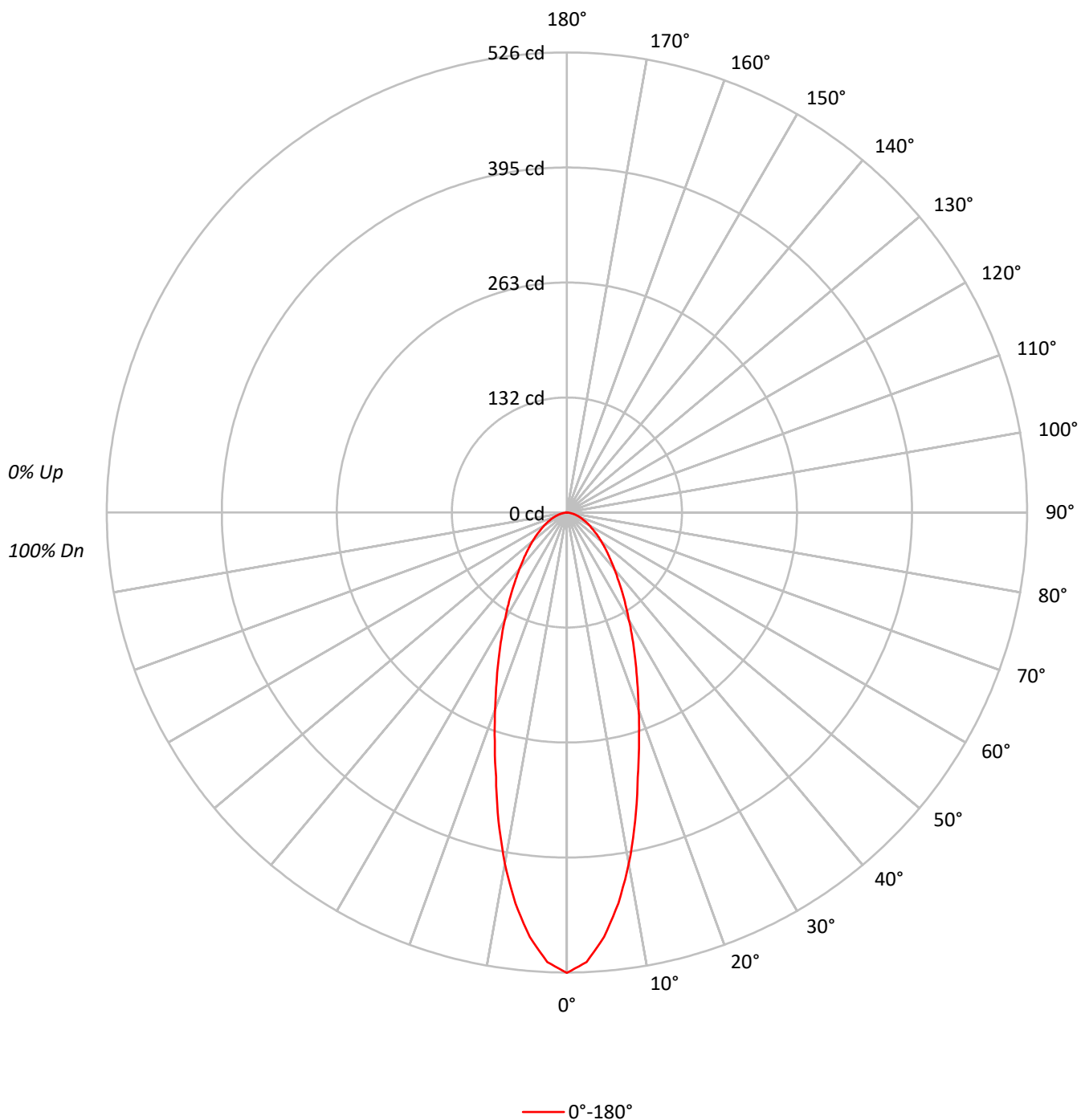
Lumens per Lamp: N/A
Luminaire Lumens: 407.0 lumens
Efficiency: N/A
Efficacy: 45.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1291987

CATALOG NUMBER: P3A09R20W2N902750DE010 E3PHLD1MW_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1291987

CATALOG NUMBER: P3A09R20W2N902750DE010 E3PHLD1MW_4000K

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	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	85	82	80
3	98	90	83	78	95	88	82	78	85	81	77		83	79	75		80	77	74	72
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75	71	67	66
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70	65	62	60
6	81	70	63	58	79	70	63	58	68	62	58		66	61	57		65	60	57	55
7	76	66	59	54	75	65	58	53	63	58	53		62	57	53		61	56	53	51
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57	53	49	47
9	69	58	51	46	67	57	51	46	56	50	46		55	50	46		54	49	46	44
10	65	54	48	43	64	54	48	43	53	47	43		52	47	43		51	46	43	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	115429
5°	107220
10°	90802
15°	71079
20°	55935
25°	44591
30°	35854
35°	29232
40°	24188
45°	20374
50°	17466
55°	14986
60°	13113
65°	11519
70°	9873
75°	8642
80°	6440
85°	4277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20374 cd/sqm

TEST NUMBER: P1291987

CATALOG NUMBER: P3A09R20W2N902750DE010 E3PHLD1MW_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.0	10.8
10°-20°	87.7	21.5
20°-30°	85.1	20.9
30°-40°	68.8	16.9
40°-50°	51.1	12.6
50°-60°	35.5	8.7
60°-70°	22.3	5.5
70°-80°	10.8	2.7
80°-90°	1.9	0.5
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°	216.8	53.3
0°-40°	285.5	70.2
0°-60°	372.1	91.4
0°-90°	407.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	407.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	526	
5°	487	44
15°	313	88
25°	184	85
35°	109	69
45°	66	51
55°	39	35
65°	22	22
75°	10	11
85°	2	2
90°	0	

TEST NUMBER: P1291987

CATALOG NUMBER: P3A09R20W2N902750DE010 E3PHLD1MW_4000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	526.4
2.5°	514.4
5°	487.1
7.5°	450.5
10°	407.8
12.5°	360.9
15°	313.1
17.5°	273.9
20°	239.7
22.5°	209.9
25°	184.3
27.5°	162.1
30°	141.6
32.5°	124.6
35°	109.2
37.5°	95.6
40°	84.5
42.5°	74.2
45°	65.7
47.5°	58.0
50°	51.2
52.5°	45.2
55°	39.2
57.5°	34.1
60°	29.9
62.5°	26.4
65°	22.2
67.5°	18.8
70°	15.4
72.5°	12.8
75°	10.2
77.5°	7.7
80°	5.1
82.5°	2.6
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)