

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: P1299574

Luminaire Tested: P3A17R20W2N902750DE010 E3PHLD1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299574
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: P3A17R20W2N902750DE010 E3PHLD1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

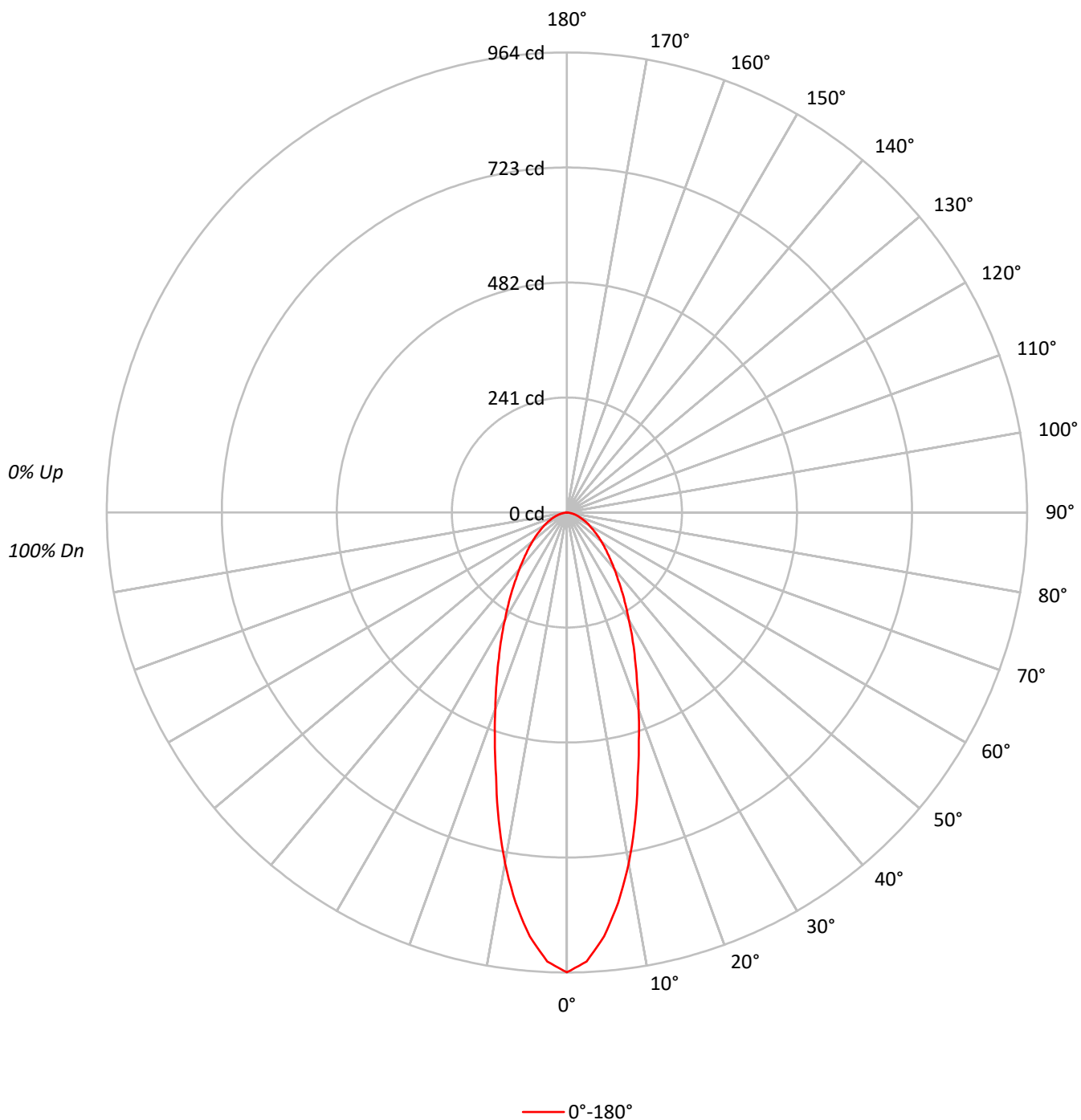
Lumens per Lamp: N/A
Luminaire Lumens: 745.0 lumens
Efficiency: N/A
Efficacy: 38.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.4
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	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°	211277
5°	196279
10°	166218
15°	130103
20°	102396
25°	81610
30°	65630
35°	53512
40°	44254
45°	37275
50°	31965
55°	27449
60°	23989
65°	21066
70°	18016
75°	15843
80°	11870
85°	7799

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 37275 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.5	10.8
10°-20°	160.4	21.5
20°-30°	155.8	20.9
30°-40°	125.9	16.9
40°-50°	93.5	12.6
50°-60°	65.0	8.7
60°-70°	40.7	5.5
70°-80°	19.8	2.7
80°-90°	3.4	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°	396.7	53.3
0°-40°	522.6	70.1
0°-60°	681.2	91.4
0°-90°	745.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	745.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	964	
5°	892	80
15°	573	160
25°	337	156
35°	200	126
45°	120	94
55°	72	65
65°	41	41
75°	19	20
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	963.5
2.5°	941.7
5°	891.7
7.5°	824.5
10°	746.5
12.5°	660.6
15°	573.1
17.5°	501.3
20°	438.8
22.5°	384.2
25°	337.3
27.5°	296.7
30°	259.2
32.5°	228.0
35°	199.9
37.5°	174.9
40°	154.6
42.5°	135.9
45°	120.2
47.5°	106.2
50°	93.7
52.5°	82.8
55°	71.8
57.5°	62.5
60°	54.7
62.5°	48.4
65°	40.6
67.5°	34.4
70°	28.1
72.5°	23.4
75°	18.7
77.5°	14.1
80°	9.4
82.5°	4.7
85°	3.1
87.5°	0.0
90°	0.0

(END OF REPORT)