

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: P1299734

Luminaire Tested: P3A17R20W2N902765DE010 E3PHLP1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299734
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: P3A17R20W2N902765DE010 E3PHLP1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

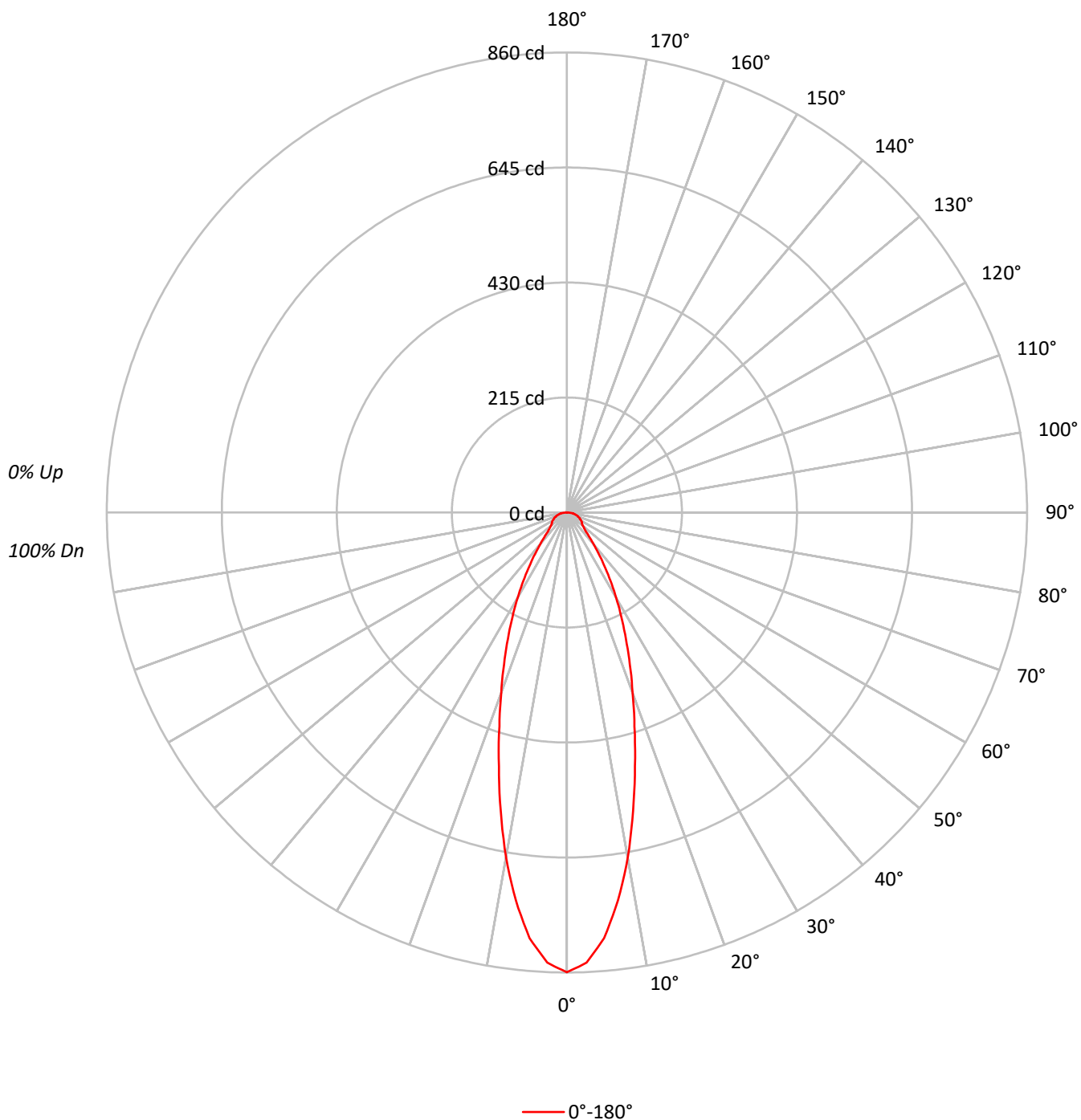
Lumens per Lamp: N/A
Luminaire Lumens: 530.0 lumens
Efficiency: N/A
Efficacy: 27.3 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	57	52	48	56	51	48	46						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	188472
5°	175808
10°	145889
15°	111556
20°	83727
25°	63028
30°	46615
35°	32578
40°	22328
45°	15474
50°	13304
55°	13113
60°	13683
65°	13750
70°	13977
75°	14572
80°	15785
85°	15599

MAXIMUM LUMINANCE 45°-90°:

Luminance: 18312 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	13.5
10°-20°	136.6	25.8
20°-30°	120.2	22.7
30°-40°	77.6	14.6
40°-50°	41.1	7.8
50°-60°	30.9	5.8
60°-70°	26.3	5.0
70°-80°	18.5	3.5
80°-90°	7.2	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°	328.4	62.0
0°-40°	406.0	76.6
0°-60°	478.0	90.2
0°-90°	530.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	530.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	860	
5°	799	72
15°	491	137
25°	260	120
35°	122	78
45°	50	41
55°	34	31
65°	26	26
75°	17	19
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	859.5
2.5°	842.3
5°	798.7
7.5°	731.6
10°	655.2
12.5°	570.9
15°	491.4
17.5°	419.6
20°	358.8
22.5°	307.3
25°	260.5
27.5°	219.9
30°	184.1
32.5°	151.3
35°	121.7
37.5°	98.3
40°	78.0
42.5°	62.4
45°	49.9
47.5°	43.7
50°	39.0
52.5°	35.9
55°	34.3
57.5°	32.8
60°	31.2
62.5°	28.1
65°	26.5
67.5°	25.0
70°	21.8
72.5°	20.3
75°	17.2
77.5°	15.6
80°	12.5
82.5°	10.9
85°	6.2
87.5°	3.1
90°	0.0

(END OF REPORT)