

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: P1299729

Luminaire Tested: P3A17R20W2N902765DE010 E3PHLD1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299729
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: P3A17R20W2N902765DE010 E3PHLD1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

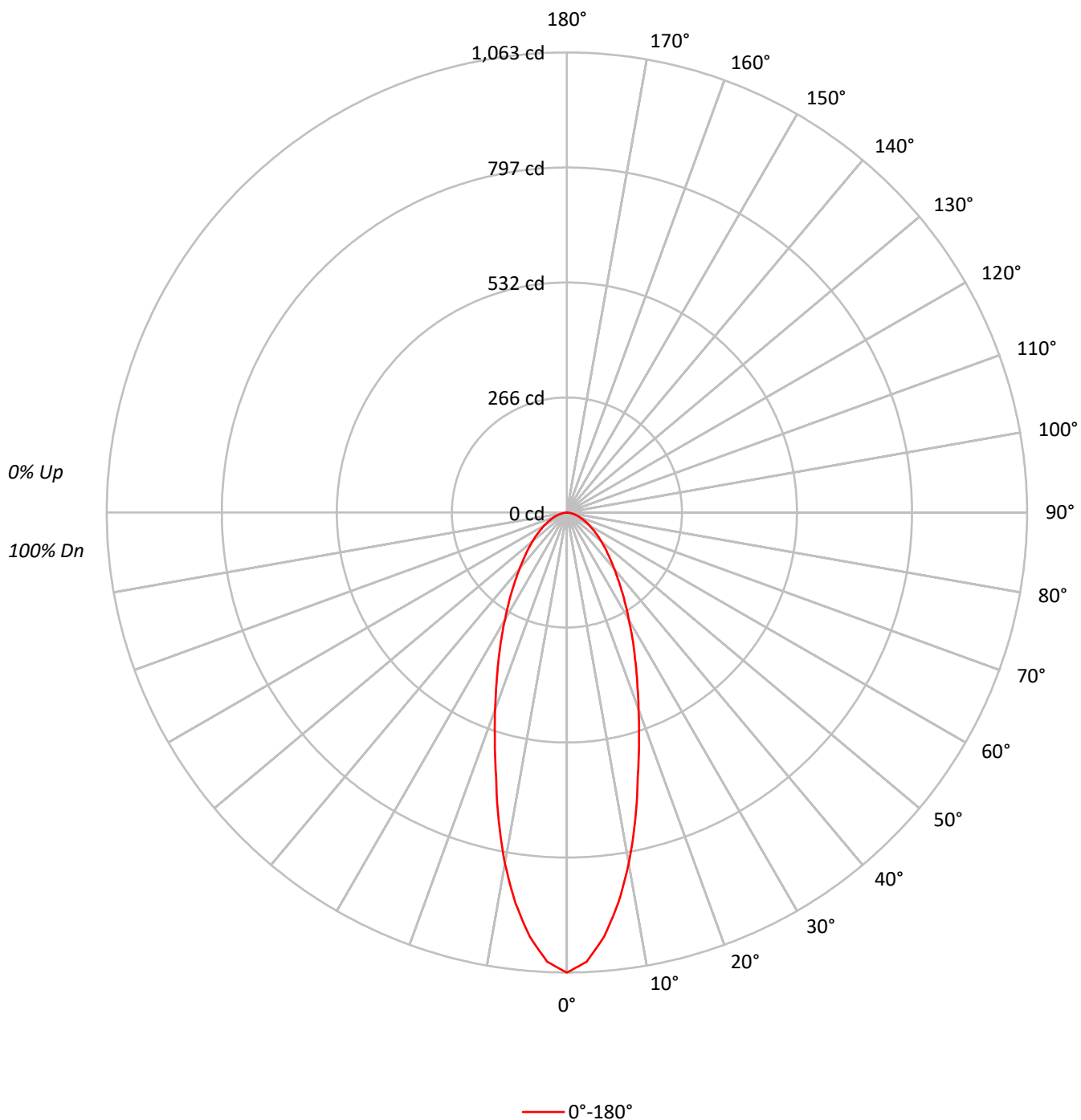
Lumens per Lamp: N/A
Luminaire Lumens: 822.0 lumens
Efficiency: N/A
Efficacy: 42.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	64	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°	233117
5°	216552
10°	183386
15°	143542
20°	112990
25°	90054
30°	72416
35°	59026
40°	48834
45°	41152
50°	35274
55°	30317
60°	26445
65°	23245
70°	19875
75°	17538
80°	13007
85°	8554

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 41152 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	10.8
10°-20°	177.0	21.5
20°-30°	171.9	20.9
30°-40°	138.9	16.9
40°-50°	103.2	12.6
50°-60°	71.7	8.7
60°-70°	44.9	5.5
70°-80°	21.8	2.6
80°-90°	3.7	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°	437.8	53.3
0°-40°	576.6	70.2
0°-60°	751.6	91.4
0°-90°	822.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	822.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1063	
5°	984	89
15°	632	177
25°	372	172
35°	220	139
45°	133	103
55°	79	72
65°	45	45
75°	21	22
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1063.1
2.5°	1039.0
5°	983.8
7.5°	909.8
10°	823.6
12.5°	728.8
15°	632.3
17.5°	553.1
20°	484.2
22.5°	423.9
25°	372.2
27.5°	327.4
30°	286.0
32.5°	251.6
35°	220.5
37.5°	193.0
40°	170.6
42.5°	149.9
45°	132.7
47.5°	117.2
50°	103.4
52.5°	91.3
55°	79.3
57.5°	68.9
60°	60.3
62.5°	53.4
65°	44.8
67.5°	37.9
70°	31.0
72.5°	25.8
75°	20.7
77.5°	15.5
80°	10.3
82.5°	5.2
85°	3.4
87.5°	0.0
90°	0.0

(END OF REPORT)