

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: P1299581

Luminaire Tested: P3A17R20W2N902750DE010 E3PHLP1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299581
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: P3A17R20W2N902750DE010 E3PHLP1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

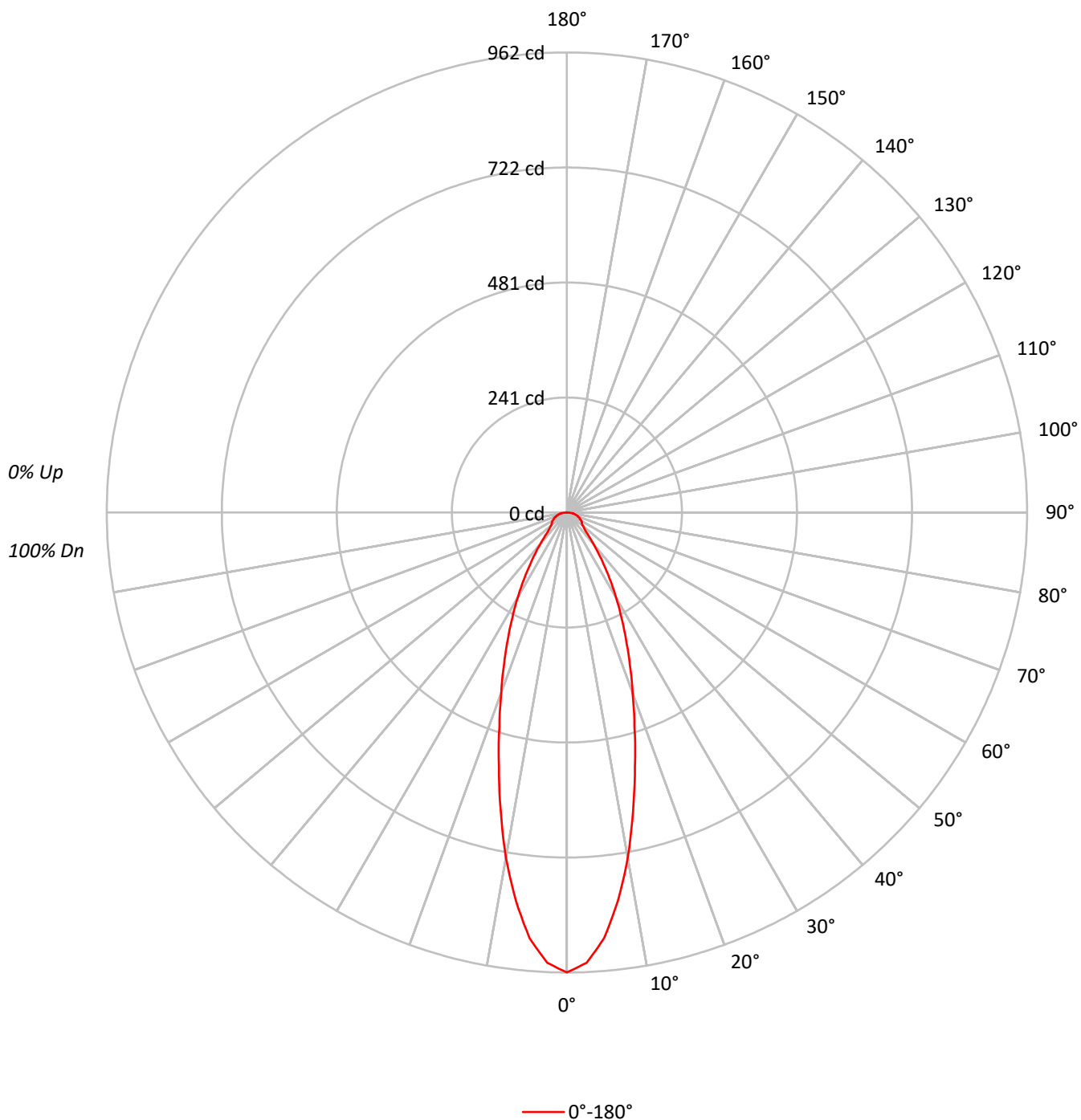
Lumens per Lamp: N/A
Luminaire Lumens: 593.0 lumens
Efficiency: N/A
Efficacy: 30.6 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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		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°	210882
5°	196698
10°	163212
15°	124813
20°	93668
25°	70528
30°	52135
35°	36433
40°	24990
45°	17335
50°	14874
55°	14680
60°	15306
65°	15410
70°	15644
75°	16267
80°	17679
85°	17612

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 20496 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	13.5
10°-20°	152.9	25.8
20°-30°	134.5	22.7
30°-40°	86.8	14.6
40°-50°	46.0	7.8
50°-60°	34.6	5.8
60°-70°	29.4	5.0
70°-80°	20.7	3.5
80°-90°	8.1	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°	367.4	62.0
0°-40°	454.2	76.6
0°-60°	534.8	90.2
0°-90°	593.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	593.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	962	
5°	894	80
15°	550	153
25°	292	134
35°	136	87
45°	56	46
55°	38	35
65°	30	29
75°	19	21
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	961.7
2.5°	942.5
5°	893.6
7.5°	818.6
10°	733.0
12.5°	638.8
15°	549.8
17.5°	469.5
20°	401.4
22.5°	343.8
25°	291.5
27.5°	246.1
30°	205.9
32.5°	169.3
35°	136.1
37.5°	110.0
40°	87.3
42.5°	69.8
45°	55.9
47.5°	48.9
50°	43.6
52.5°	40.1
55°	38.4
57.5°	36.7
60°	34.9
62.5°	31.4
65°	29.7
67.5°	27.9
70°	24.4
72.5°	22.7
75°	19.2
77.5°	17.5
80°	14.0
82.5°	12.2
85°	7.0
87.5°	3.5
90°	0.0

(END OF REPORT)