

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: P1295778

Luminaire Tested: P3A13R20W2N902750DE010 E3PH1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R20W2N902750DE010 E3PH1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

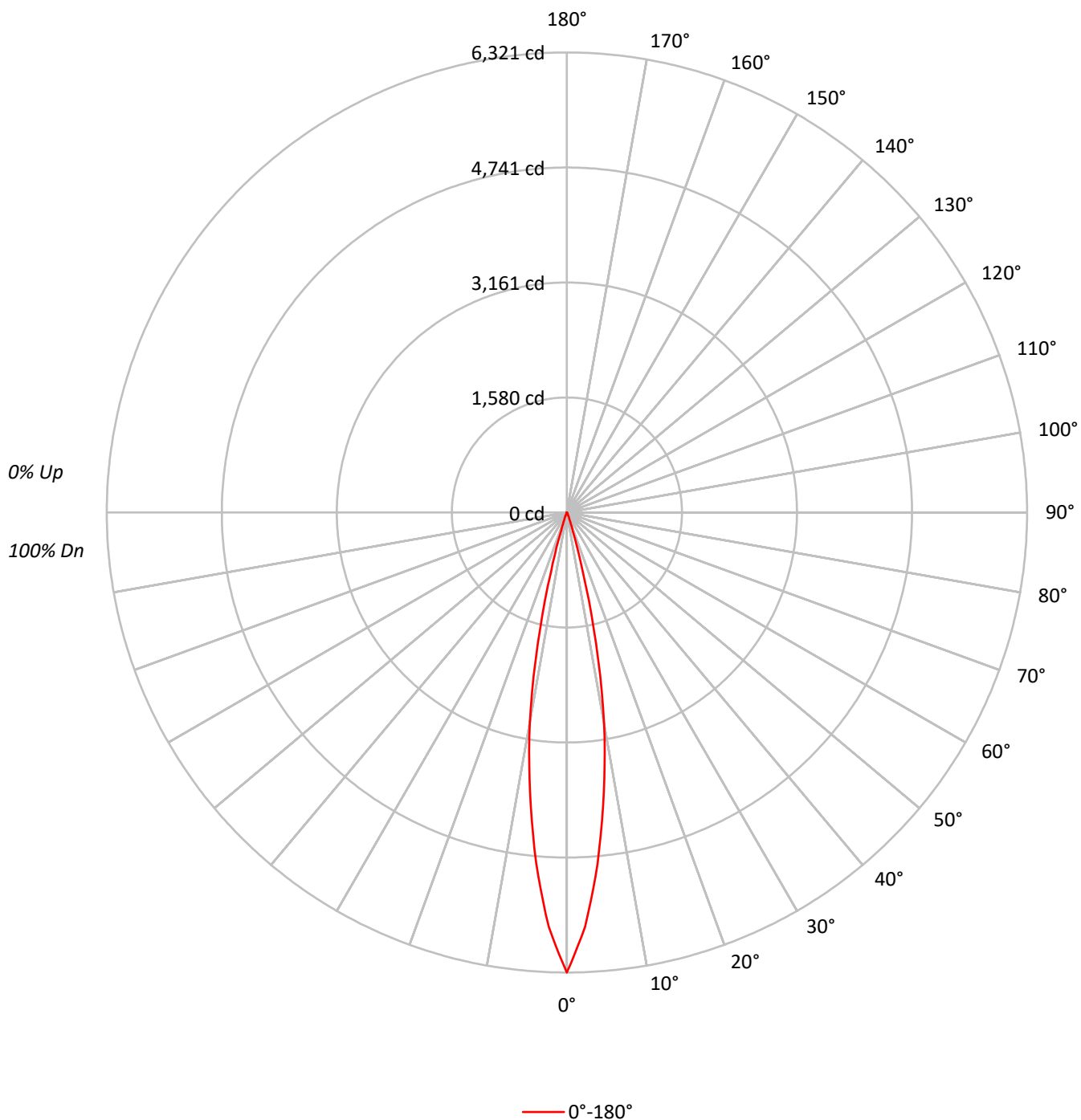
Lumens per Lamp: N/A
Luminaire Lumens: 697.0 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
Spacing Criteria (0/90/45): 0.32 / 0.32 / 0.32
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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			
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	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	98		
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	97		
3	110	107	104	101	109	105	103	101	103	101	99	101	99	98	99	97	96	95		
4	108	104	101	98	107	103	100	98	101	98	97	99	97	95	97	96	94	93		
5	106	101	98	96	105	100	97	95	99	96	94	97	95	94	96	94	93	92		
6	104	99	96	93	103	98	95	93	97	94	93	96	94	92	95	93	91	91		
7	102	97	94	92	101	96	93	91	95	93	91	95	92	90	94	92	90	89		
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88		
9	99	94	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87		
10	97	92	89	87	96	92	89	87	91	88	87	91	88	87	90	88	86	86		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1385985
5°	1064558
10°	655833
15°	190852
20°	25459
25°	7549
30°	2254
35°	294
40°	315
45°	0
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 0 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.8	57.8
10°-20°	274.7	39.4
20°-30°	17.7	2.5
30°-40°	1.7	0.3
40°-50°	0.1	0.0
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	695.1	99.7
0°-40°	696.9	100.0
0°-60°	697.0	100.0
0°-90°	697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	697.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6321	
5°	4836	403
15°	841	275
25°	31	18
35°	1	2
45°	0	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6320.6
2.5°	5699.3
5°	4836.3
7.5°	3879.7
10°	2945.4
12.5°	1847.4
15°	840.7
17.5°	266.1
20°	109.1
22.5°	57.9
25°	31.2
27.5°	15.6
30°	8.9
32.5°	4.5
35°	1.1
37.5°	1.1
40°	1.1
42.5°	0.0
45°	0.0
47.5°	0.0
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)