

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: P1295687

Luminaire Tested: P3A13R20W2N902750DE010 E3CD1MW_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295687
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R20W2N902750DE010 E3CD1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

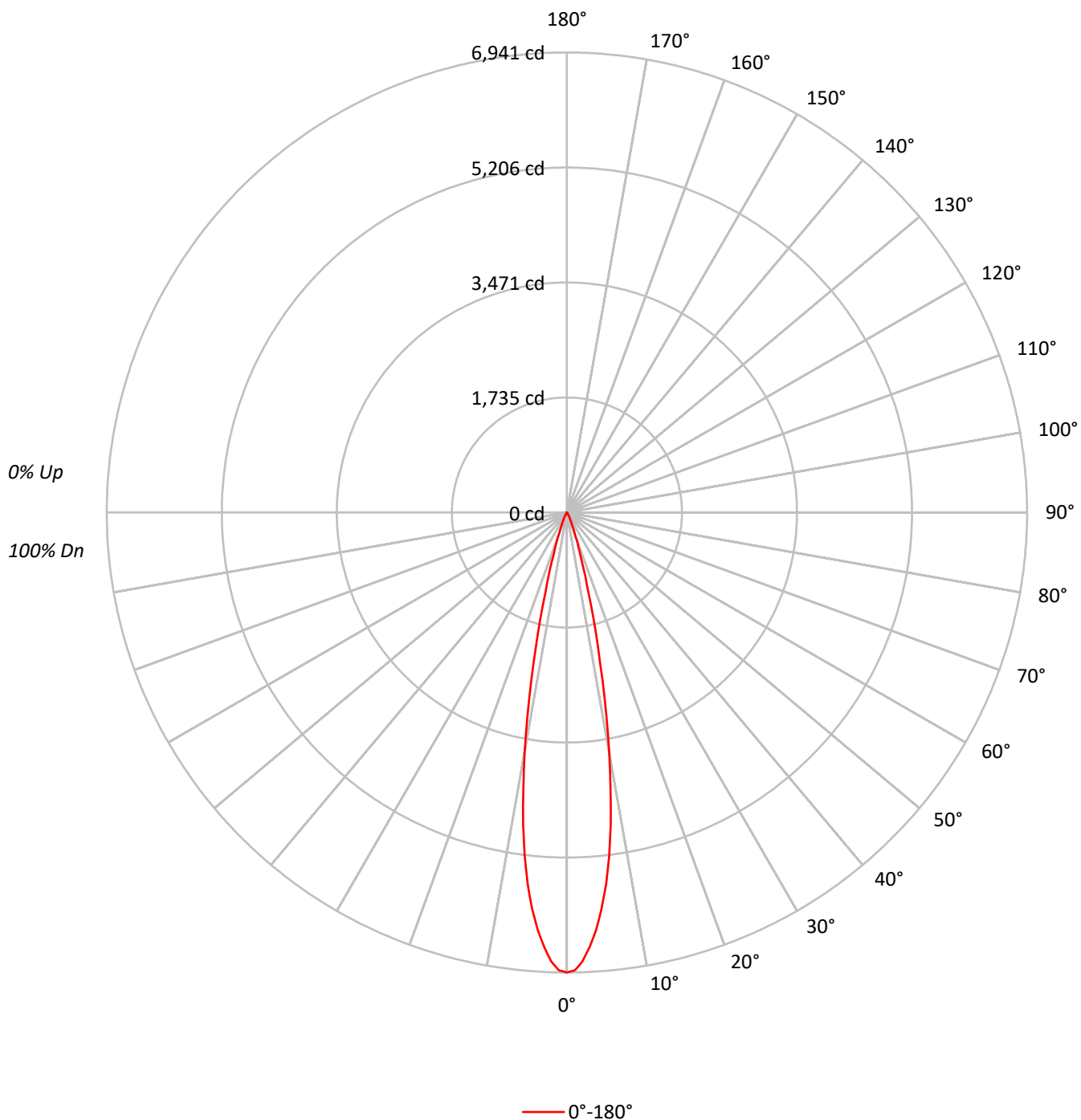
Lumens per Lamp: N/A
Luminaire Lumens: 980.1 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			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	116	114	112	110	113	112	110	109	108	106	105		104	103	102		101	100	99	98
2	112	109	106	104	110	108	105	103	104	103	101		102	100	99		99	98	97	95
3	109	105	102	100	108	104	101	99	102	99	97		99	98	96		97	96	95	93
4	107	102	99	96	105	101	98	96	99	97	94		97	95	93		96	94	92	91
5	104	99	96	93	103	98	95	93	97	94	92		95	93	91		94	92	91	90
6	102	97	93	91	101	96	93	90	95	92	90		94	91	89		93	90	89	88
7	100	94	91	88	99	94	91	88	93	90	88		92	89	87		91	89	87	86
8	98	92	89	86	97	92	89	86	91	88	86		90	88	86		89	87	85	85
9	96	90	87	85	95	90	87	85	89	86	84		89	86	84		88	86	84	83
10	94	89	85	83	93	88	85	83	88	85	83		87	84	83		86	84	82	82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1522049
5°	1321084
10°	816284
15°	283520
20°	87064
25°	30776
30°	11394
35°	4578
40°	2433
45°	961
50°	546
55°	612
60°	702
65°	415
70°	513
75°	678
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 961 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	498.1	50.8
10°-20°	395.2	40.3
20°-30°	68.4	7.0
30°-40°	12.4	1.3
40°-50°	2.9	0.3
50°-60°	1.4	0.1
60°-70°	0.9	0.1
70°-80°	0.7	0.1
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°	961.7	98.1
0°-40°	974.2	99.4
0°-60°	978.5	99.8
0°-90°	980.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	980.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6941	
5°	6002	498
15°	1249	395
25°	127	68
35°	17	12
45°	3	3
55°	2	1
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6941.1
1°	6907.8
2°	6775.9
3°	6564.1
4°	6315.9
5°	6001.7
6°	5641.8
7°	5222.9
8°	4745.8
9°	4209.8
10°	3666.0
12.5°	2312.4
15°	1248.9
17.5°	667.1
20°	373.1
22.5°	213.3
25°	127.2
27.5°	77.6
30°	45.0
32.5°	26.4
35°	17.1
37.5°	11.6
40°	8.5
42.5°	5.4
45°	3.1
47.5°	1.6
50°	1.6
52.5°	1.6
55°	1.6
57.5°	1.6
60°	1.6
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)