

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: P1295674

Luminaire Tested: P3A13R20W2N902750DE010 E3CD1MB_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295674
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 E3CD1MB_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

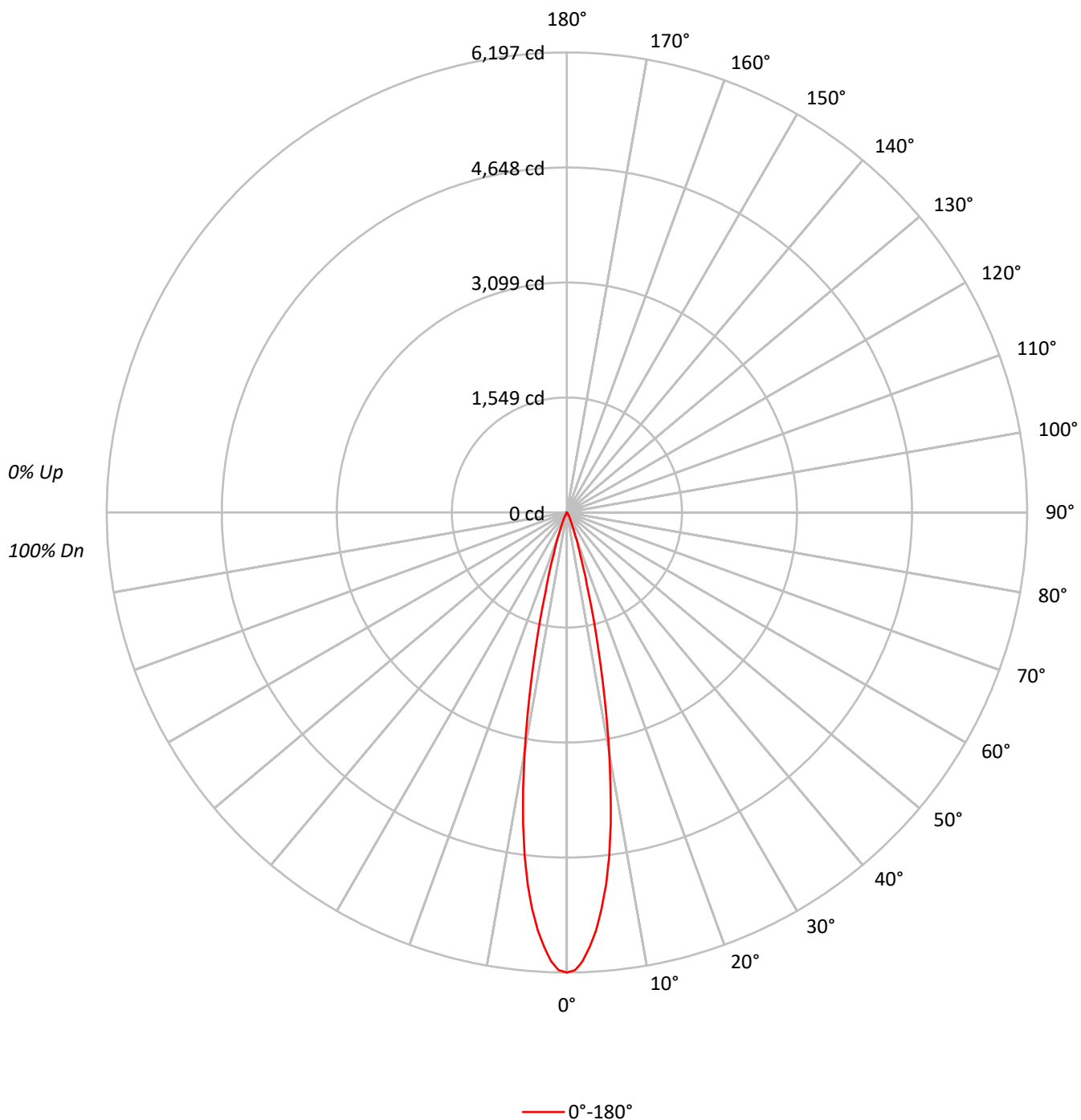
Lumens per Lamp: N/A
Luminaire Lumens: 875.0 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				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	107	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	95		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°	1358970
5°	1179548
10°	728822
15°	253146
20°	77730
25°	27485
30°	10179
35°	4069
40°	2176
45°	868
50°	478
55°	535
60°	614
65°	363
70°	449
75°	593
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 868 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.7	50.8
10°-20°	352.9	40.3
20°-30°	61.1	7.0
30°-40°	11.1	1.3
40°-50°	2.5	0.3
50°-60°	1.3	0.1
60°-70°	0.8	0.1
70°-80°	0.6	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°	858.7	98.1
0°-40°	869.8	99.4
0°-60°	873.6	99.8
0°-90°	875.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	875.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6197	
5°	5359	445
15°	1115	353
25°	114	61
35°	15	11
45°	3	3
55°	1	1
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6197.4
1°	6167.6
2°	6049.9
3°	5860.8
4°	5639.2
5°	5358.7
6°	5037.3
7°	4663.3
8°	4237.4
9°	3758.8
10°	3273.2
12.5°	2064.7
15°	1115.1
17.5°	595.6
20°	333.1
22.5°	190.5
25°	113.6
27.5°	69.3
30°	40.2
32.5°	23.5
35°	15.2
37.5°	10.4
40°	7.6
42.5°	4.8
45°	2.8
47.5°	1.4
50°	1.4
52.5°	1.4
55°	1.4
57.5°	1.4
60°	1.4
62.5°	0.7
65°	0.7
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)