

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: P1292873

Luminaire Tested: P3A09R35W2N902750DE010 E3CD1MB_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1292873
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R35W2N902750DE010 E3CD1MB_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 90CRI ,
E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

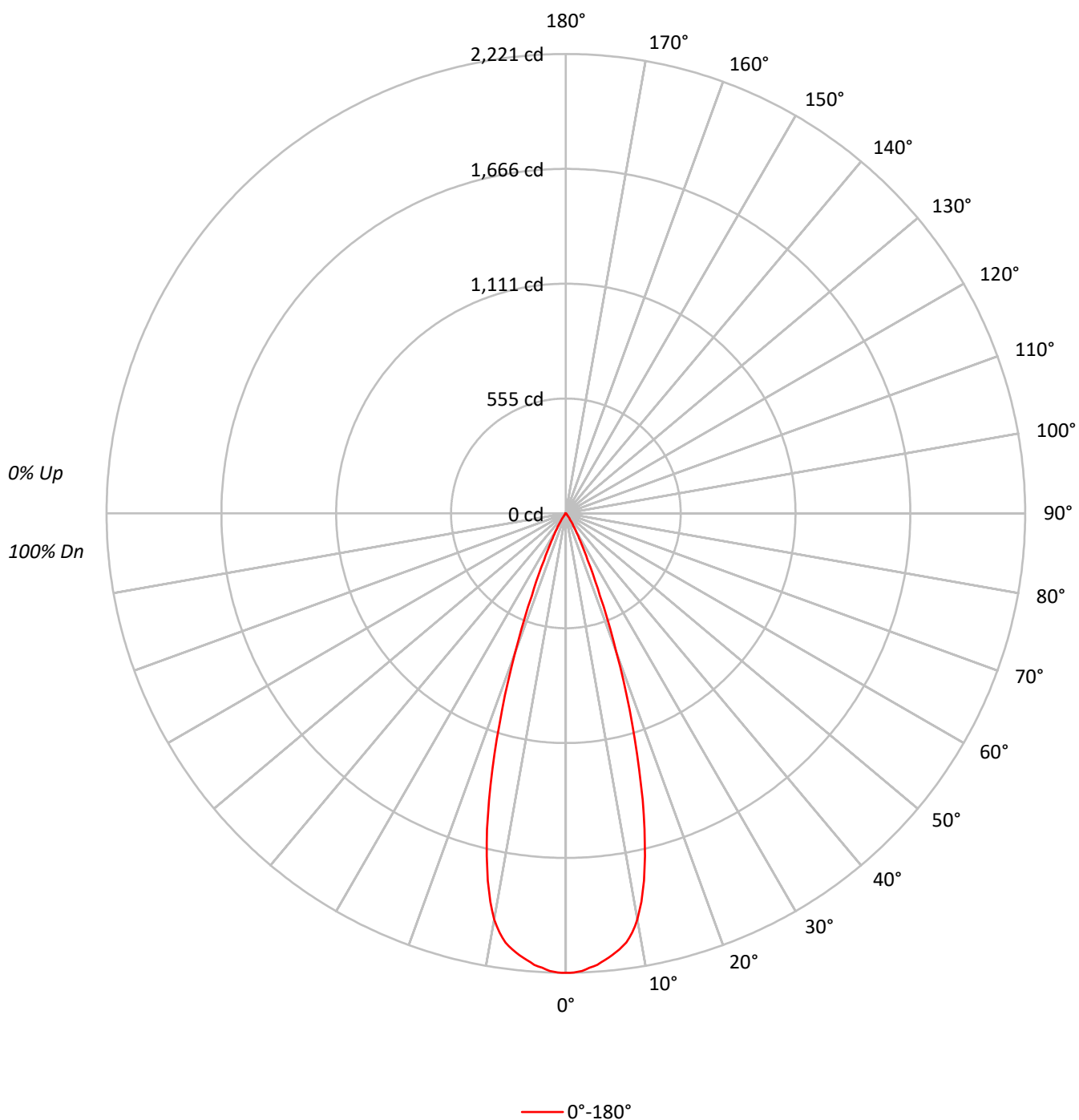
Lumens per Lamp: N/A
Luminaire Lumens: 747.1 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.52
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98		96
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97	95	94		93
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94	92	90		89
4	104	98	94	91	102	97	93	90	95	92	89		93	90	88		91	89	87		86
5	100	94	90	87	99	93	89	86	92	88	86		90	87	85		89	86	84		83
6	97	91	86	83	96	90	86	83	89	85	82		87	84	82		86	83	81		80
7	94	87	83	80	93	87	83	80	86	82	79		85	81	79		84	81	79		77
8	91	84	80	77	90	84	80	77	83	79	77		82	79	76		81	78	76		75
9	89	82	77	74	88	81	77	74	80	77	74		80	76	74		79	76	74		73
10	86	79	75	72	85	79	75	72	78	74	72		77	74	72		77	74	71		70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	487088
5°	477172
10°	443924
15°	325450
20°	166661
25°	60076
30°	23396
35°	8191
40°	3378
45°	899
50°	819
55°	918
60°	789
65°	623
70°	769
75°	1017
80°	758
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 1017 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.1	27.1
10°-20°	379.2	50.8
20°-30°	134.2	18.0
30°-40°	23.5	3.1
40°-50°	3.5	0.5
50°-60°	1.9	0.3
60°-70°	1.4	0.2
70°-80°	1.0	0.1
80°-90°	0.2	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°	715.5	95.8
0°-40°	739.0	98.9
0°-60°	744.4	99.6
0°-90°	747.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	747.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2221	
5°	2168	202
15°	1434	379
25°	248	134
35°	31	24
45°	3	3
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2221.3
1°	2220.7
2°	2213.7
3°	2200.1
4°	2187.8
5°	2167.8
6°	2147.2
7°	2124.3
8°	2096.0
9°	2051.9
10°	1993.7
11°	1913.1
12°	1816.0
13°	1700.7
14°	1573.6
15°	1433.6
17.5°	1067.7
20°	714.2
22.5°	430.6
25°	248.3
27.5°	148.2
30°	92.4
32.5°	53.5
35°	30.6
37.5°	19.4
40°	11.8
42.5°	5.9
45°	2.9
47.5°	2.4
50°	2.4
52.5°	2.4
55°	2.4
57.5°	1.8
60°	1.8
62.5°	1.8
65°	1.2
67.5°	1.2
70°	1.2
72.5°	1.2
75°	1.2
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)