

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: P1291920

Luminaire Tested: P3A09R20W2N902750DE010 E3DL1GPH_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R20W2N902750DE010 E3DL1GPH_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

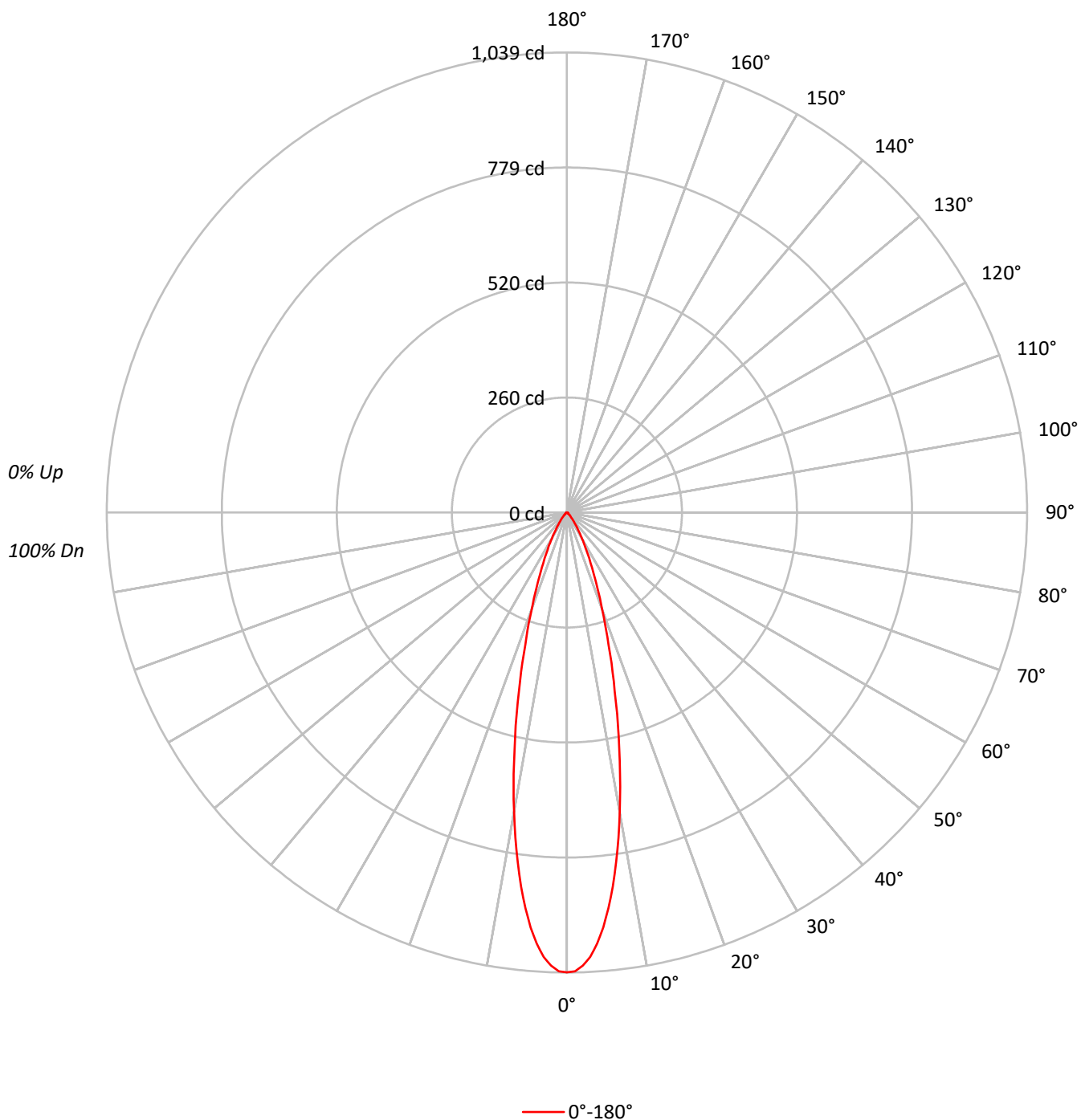
Lumens per Lamp: N/A
Luminaire Lumens: 296.0 lumens
Efficiency: N/A
Efficacy: 32.9 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97		95
2	110	106	102	100	108	104	101	98	101	98	96		98	96	94		95	94	92		91
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92	90	88		87
4	102	96	91	88	100	95	90	87	92	89	86		91	88	85		89	86	84		83
5	98	91	87	83	97	90	86	83	89	85	82		87	84	81		86	83	81		79
6	95	87	83	79	93	87	82	79	85	81	78		84	81	78		83	80	77		76
7	91	84	79	76	90	83	79	76	82	78	75		81	78	75		80	77	75		73
8	88	81	76	73	87	80	76	73	79	75	72		78	75	72		77	74	72		71
9	85	78	73	70	85	77	73	70	77	73	70		76	72	69		75	72	69		68
10	83	75	71	68	82	75	70	67	74	70	67		73	70	67		73	69	67		66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	227745
5°	207021
10°	152992
15°	94643
20°	54045
25°	30849
30°	17294
35°	9423
40°	5153
45°	2853
50°	1672
55°	1185
60°	1140
65°	1038
70°	898
75°	932
80°	758
85°	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2853 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.4	27.5
10°-20°	116.3	39.3
20°-30°	60.7	20.5
30°-40°	23.5	7.9
40°-50°	7.6	2.6
50°-60°	3.0	1.0
60°-70°	2.0	0.7
70°-80°	1.2	0.4
80°-90°	0.4	0.1
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°	258.4	87.3
0°-40°	281.8	95.2
0°-60°	292.5	98.8
0°-90°	296.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	296.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1039	
5°	940	81
15°	417	116
25°	128	61
35°	35	23
45°	9	8
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1038.6
1°	1036.6
2°	1024.3
3°	1005.4
4°	976.2
5°	940.5
6°	898.2
7°	851.3
8°	796.9
9°	744.0
10°	687.1
12.5°	546.2
15°	416.9
17.5°	312.0
20°	231.6
22.5°	171.6
25°	127.5
27.5°	94.1
30°	68.3
32.5°	49.5
35°	35.2
37.5°	25.4
40°	18.0
42.5°	12.9
45°	9.2
47.5°	6.6
50°	4.9
52.5°	3.7
55°	3.1
57.5°	2.9
60°	2.6
62.5°	2.3
65°	2.0
67.5°	1.7
70°	1.4
72.5°	1.4
75°	1.1
77.5°	0.9
80°	0.6
82.5°	0.6
85°	0.3
87.5°	0.3
90°	0.0

(END OF REPORT)