

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: P1288139

Luminaire Tested: P3A05R20W2N902750DE010 E3DL1MW_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1288139
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: P3A05R20W2N902750DE010 E3DL1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

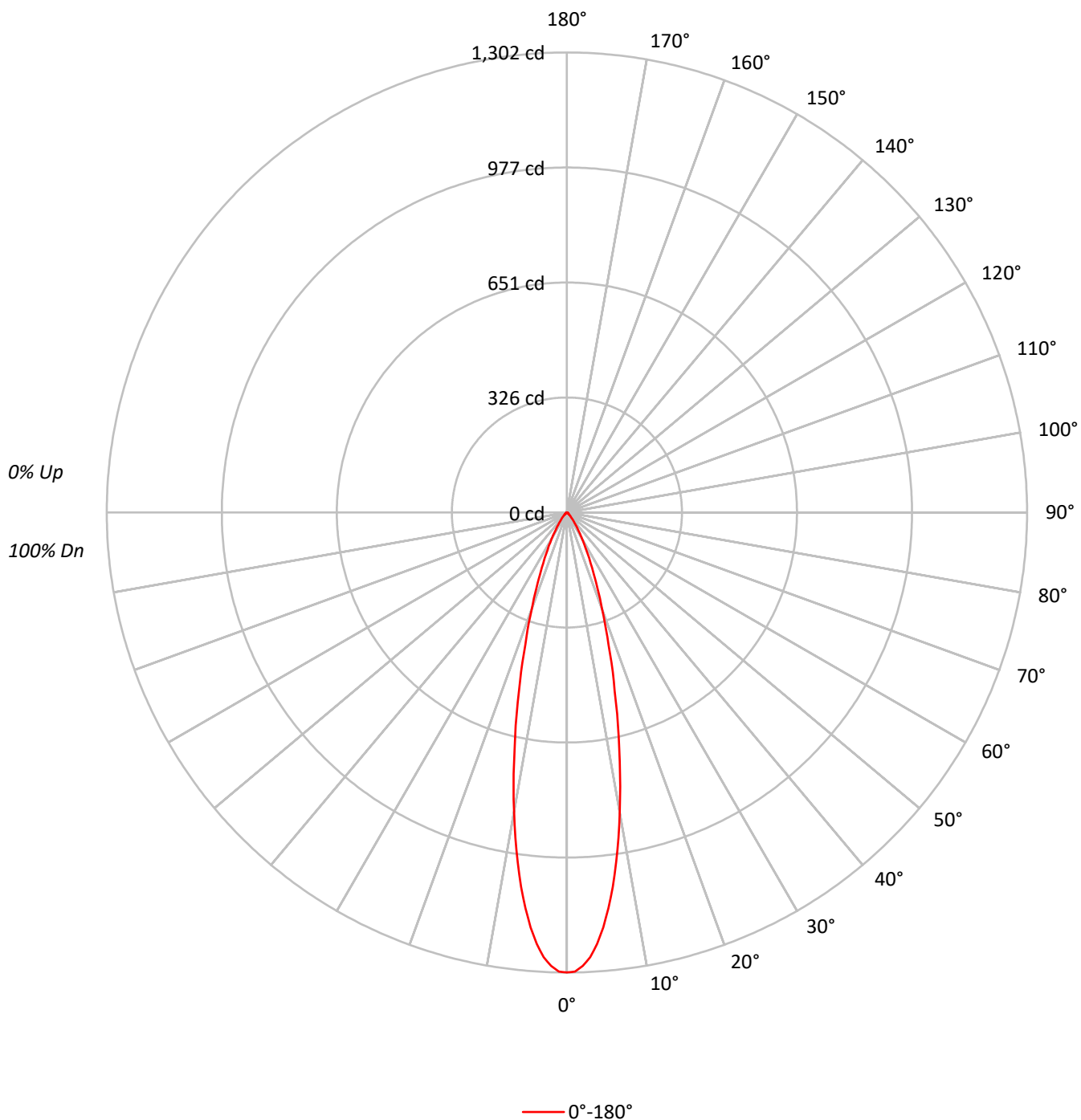
Lumens per Lamp: N/A
Luminaire Lumens: 371.0 lumens
Efficiency: N/A
Efficacy: 62.9 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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			
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°	285438
5°	259475
10°	191758
15°	118639
20°	67743
25°	38664
30°	21700
35°	11805
40°	6469
45°	3566
50°	2081
55°	1491
60°	1403
65°	1297
70°	1154
75°	1186
80°	884
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3566 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.1	27.5
10°-20°	145.7	39.3
20°-30°	76.1	20.5
30°-40°	29.4	7.9
40°-50°	9.5	2.6
50°-60°	3.8	1.0
60°-70°	2.5	0.7
70°-80°	1.5	0.4
80°-90°	0.5	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°	323.9	87.3
0°-40°	353.3	95.2
0°-60°	366.6	98.8
0°-90°	371.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	371.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1302	
5°	1179	102
15°	523	146
25°	160	76
35°	44	29
45°	12	10
55°	4	4
65°	2	2
75°	1	1
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1301.7
1°	1299.2
2°	1283.8
3°	1260.1
4°	1223.6
5°	1178.8
6°	1125.7
7°	1067.0
8°	998.9
9°	932.6
10°	861.2
12.5°	684.6
15°	522.6
17.5°	391.0
20°	290.3
22.5°	215.0
25°	159.8
27.5°	117.9
30°	85.7
32.5°	62.0
35°	44.1
37.5°	31.9
40°	22.6
42.5°	16.1
45°	11.5
47.5°	8.2
50°	6.1
52.5°	4.7
55°	3.9
57.5°	3.6
60°	3.2
62.5°	2.9
65°	2.5
67.5°	2.2
70°	1.8
72.5°	1.8
75°	1.4
77.5°	1.1
80°	0.7
82.5°	0.7
85°	0.4
87.5°	0.4
90°	0.0

(END OF REPORT)