

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: P1293392

Luminaire Tested: P3A09R40W2N902765DE010 E3DL1MW_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293392
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R40W2N902765DE010 E3DL1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

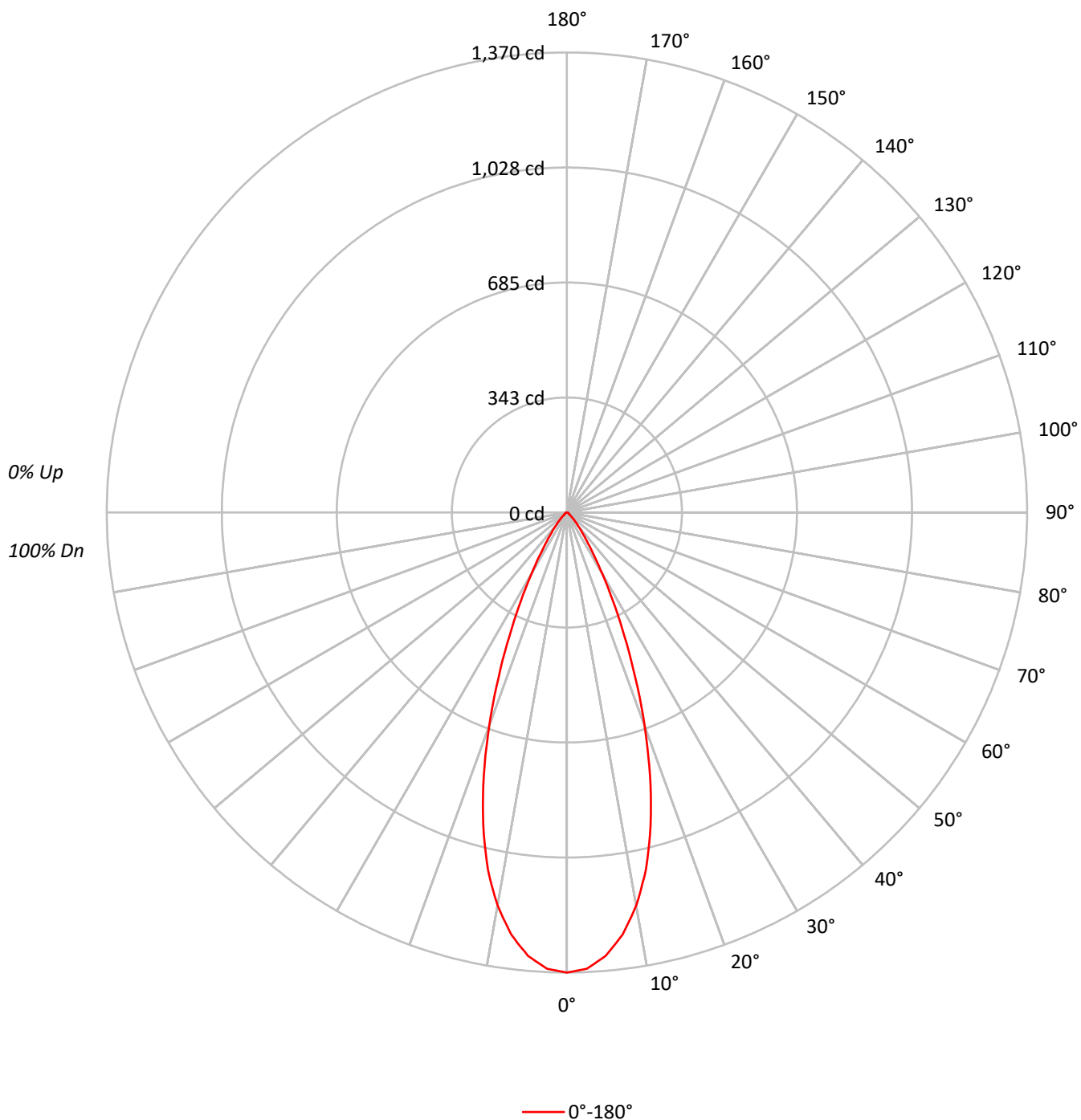
Lumens per Lamp: N/A
Luminaire Lumens: 679.0 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	111	109	107	112	109	107	105	105	104	102		102	100	99		98	97	96		94
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	92	91		89
3	104	99	94	91	102	97	93	90	95	91	88		92	89	87		90	88	86		84
4	100	93	88	85	98	92	88	84	90	86	83		88	85	82		86	84	81		80
5	96	88	83	79	94	88	83	79	86	82	78		84	81	78		83	80	77		76
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79	76	73		72
7	88	80	75	71	87	79	74	71	78	74	71		77	73	70		76	73	70		69
8	85	76	71	68	84	76	71	67	75	70	67		74	70	67		73	69	67		65
9	82	73	68	64	81	73	68	64	72	67	64		71	67	64		70	66	64		63
10	78	70	65	62	78	70	65	61	69	64	61		68	64	61		67	64	61		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	300458
5°	291723
10°	264725
15°	218707
20°	157770
25°	97578
30°	52818
35°	27305
40°	14856
45°	8311
50°	4162
55°	3135
60°	2807
65°	2698
70°	2629
75°	2457
80°	2147
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8311 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.2	18.0
10°-20°	262.3	38.6
20°-30°	187.2	27.6
30°-40°	68.9	10.2
40°-50°	21.7	3.2
50°-60°	7.5	1.1
60°-70°	5.2	0.8
70°-80°	3.1	0.5
80°-90°	0.9	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°	571.7	84.2
0°-40°	640.6	94.3
0°-60°	669.9	98.7
0°-90°	679.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	679.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1370	
5°	1325	122
15°	963	262
25°	403	187
35°	102	69
45°	27	22
55°	8	8
65°	5	5
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1370.2
2.5°	1359.7
5°	1325.3
7.5°	1268.2
10°	1188.9
12.5°	1088.1
15°	963.4
17.5°	823.5
20°	676.1
22.5°	530.9
25°	403.3
27.5°	296.1
30°	208.6
32.5°	146.3
35°	102.0
37.5°	72.3
40°	51.9
42.5°	37.3
45°	26.8
47.5°	18.1
50°	12.2
52.5°	8.7
55°	8.2
57.5°	7.6
60°	6.4
62.5°	5.8
65°	5.2
67.5°	4.7
70°	4.1
72.5°	3.5
75°	2.9
77.5°	2.3
80°	1.7
82.5°	1.2
85°	0.6
87.5°	0.6
90°	0.0

(END OF REPORT)