

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: P1293222

Luminaire Tested: P3A09R40W2N902750DE010 E3DL1H_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293222
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: P3A09R40W2N902750DE010 E3DL1H_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI ,
E3DL1H TRIM
Light Source: -
Ballast/Driver: -

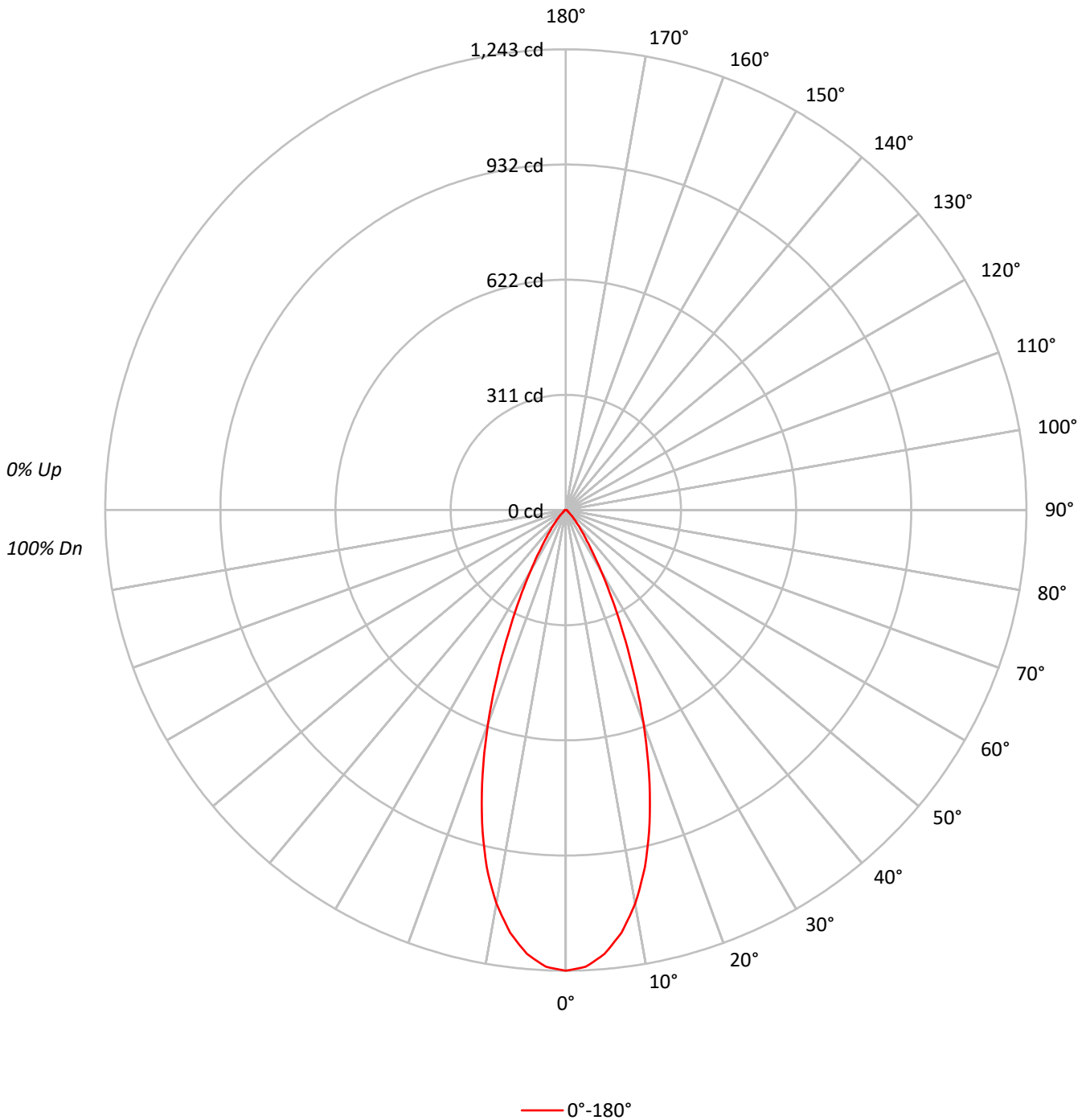
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 616.0 lumens
Efficiency: N/A
Efficacy: 68.4 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										
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	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					100															
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	94					94															
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89					89															
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84					84															
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80					80															
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	76					76															
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72					72															
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69					69															
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65					65															
9	82	73	68	64	81	73	68	64	72	67	64	71	67	64	70	66	64	63					63															
10	78	70	65	62	78	70	65	61	69	64	61	68	64	61	67	64	61	60					60															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	272566
5°	264648
10°	240165
15°	198412
20°	143116
25°	88529
30°	47931
35°	24762
40°	13482
45°	7536
50°	3787
55°	2829
60°	2544
65°	2491
70°	2372
75°	2203
80°	2020
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7536 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	18.0
10°-20°	238.0	38.6
20°-30°	169.8	27.6
30°-40°	62.5	10.2
40°-50°	19.7	3.2
50°-60°	6.8	1.1
60°-70°	4.7	0.8
70°-80°	2.8	0.5
80°-90°	0.8	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°	518.7	84.2
0°-40°	581.2	94.3
0°-60°	607.7	98.7
0°-90°	616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	616.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1243	
5°	1202	111
15°	874	238
25°	366	170
35°	92	63
45°	24	20
55°	7	7
65°	5	5
75°	3	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1243.0
2.5°	1233.5
5°	1202.3
7.5°	1150.5
10°	1078.6
12.5°	987.1
15°	874.0
17.5°	747.1
20°	613.3
22.5°	481.7
25°	365.9
27.5°	268.6
30°	189.3
32.5°	132.7
35°	92.5
37.5°	65.6
40°	47.1
42.5°	33.8
45°	24.3
47.5°	16.4
50°	11.1
52.5°	7.9
55°	7.4
57.5°	6.9
60°	5.8
62.5°	5.3
65°	4.8
67.5°	4.2
70°	3.7
72.5°	3.2
75°	2.6
77.5°	2.1
80°	1.6
82.5°	1.1
85°	0.5
87.5°	0.5
90°	0.0

(END OF REPORT)