

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: P1293225

Luminaire Tested: P3A09R40W2N902750DE010 E3DL1H_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293225
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_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

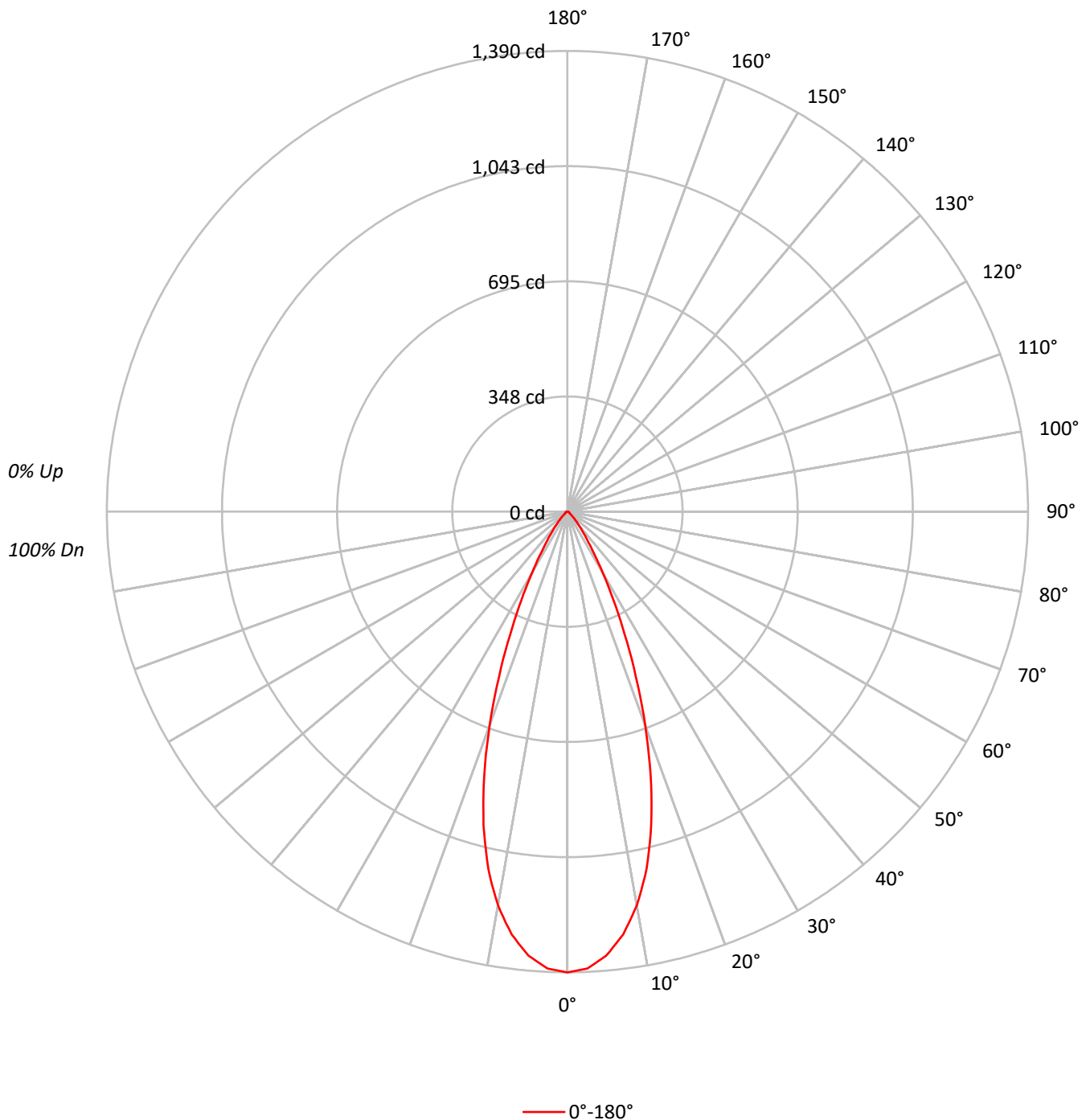
Lumens per Lamp: N/A
Luminaire Lumens: 689.0 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1293225

CATALOG NUMBER: P3A09R40W2N902750DE010 E3DL1H_4000K

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			
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°	304888
5°	296015
10°	268621
15°	221931
20°	160081
25°	99006
30°	53603
35°	27706
40°	15057
45°	8435
50°	4230
55°	3173
60°	2851
65°	2750
70°	2629
75°	2542
80°	2273
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8435 cd/sqm

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CATALOG NUMBER: P3A09R40W2N902750DE010 E3DL1H_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.0	18.0
10°-20°	266.2	38.6
20°-30°	190.0	27.6
30°-40°	69.9	10.1
40°-50°	22.0	3.2
50°-60°	7.7	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°	580.1	84.2
0°-40°	650.0	94.3
0°-60°	679.7	98.7
0°-90°	689.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	689.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1390	
5°	1345	124
15°	978	266
25°	409	190
35°	104	70
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°	1390.4
2.5°	1379.7
5°	1344.8
7.5°	1286.9
10°	1206.4
12.5°	1104.1
15°	977.6
17.5°	835.6
20°	686.0
22.5°	538.8
25°	409.2
27.5°	300.4
30°	211.7
32.5°	148.4
35°	103.5
37.5°	73.3
40°	52.6
42.5°	37.8
45°	27.2
47.5°	18.3
50°	12.4
52.5°	8.9
55°	8.3
57.5°	7.7
60°	6.5
62.5°	5.9
65°	5.3
67.5°	4.7
70°	4.1
72.5°	3.5
75°	3.0
77.5°	2.4
80°	1.8
82.5°	1.2
85°	0.6
87.5°	0.6
90°	0.0

(END OF REPORT)