

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: P1294148

Luminaire Tested: P3A09R55W2N902750DE010 E3DL1MW_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1294148
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R55W2N902750DE010 E3DL1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 4000K CCT AND, 90CRI ,
E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

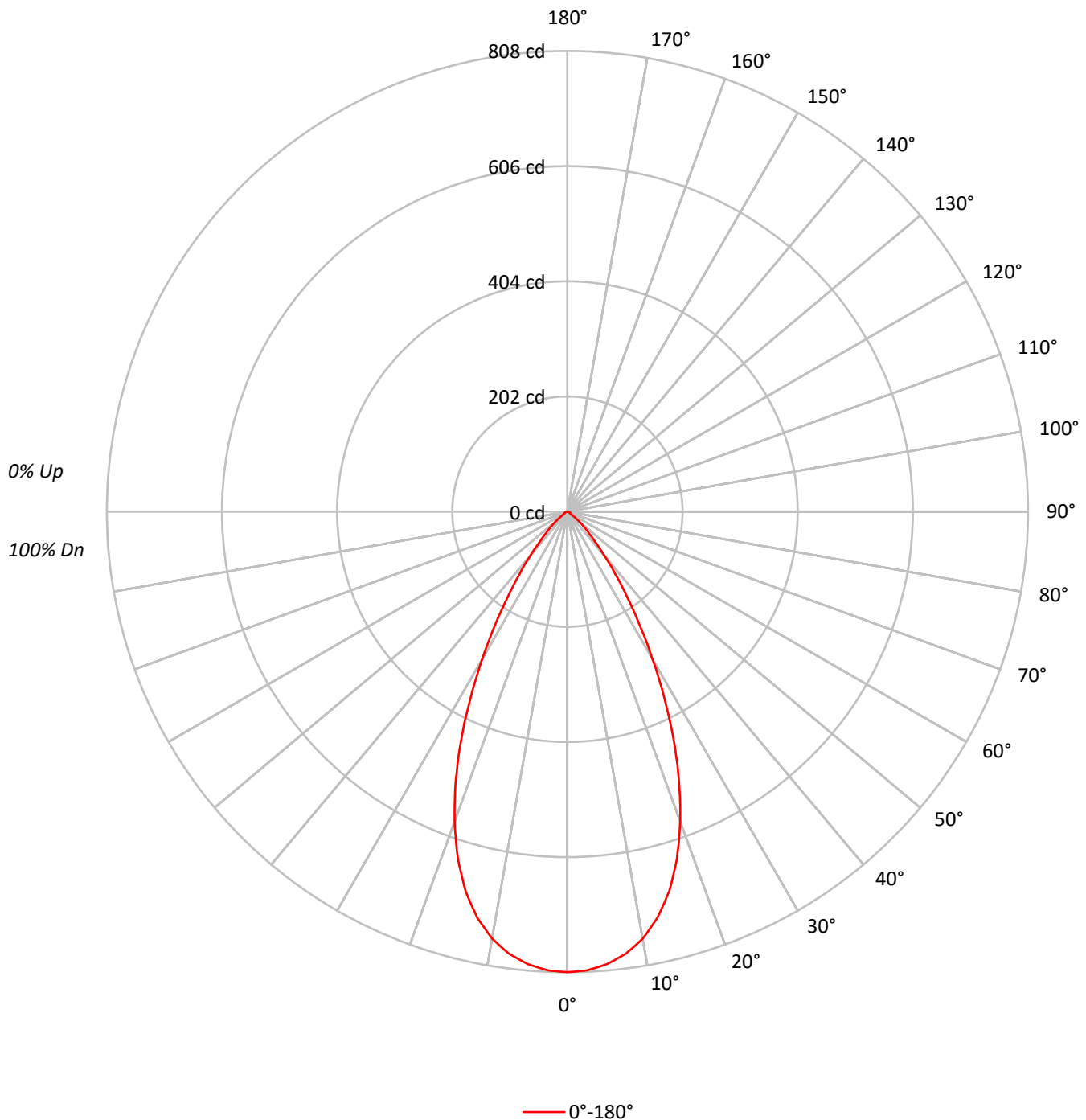
Lumens per Lamp: N/A
Luminaire Lumens: 645.0 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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					
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	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95		93			
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88		87			
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	85	82		81			
4	97	90	84	80		95	89	83	79		86	82	78		84	81	78		82	79	77		75			
5	92	84	78	74		91	83	78	74		81	77	73		80	76	72		78	75	72		70			
6	88	79	73	69		86	78	73	68		77	72	68		75	71	68		74	70	67		66			
7	84	74	68	64		82	74	68	64		72	67	64		71	67	63		70	66	63		62			
8	80	70	64	60		78	70	64	60		69	63	60		67	63	60		67	62	59		58			
9	76	66	61	57		75	66	60	56		65	60	56		64	59	56		63	59	56		55			
10	73	63	57	53		72	62	57	53		62	57	53		61	56	53		60	56	53		52			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	177113
5°	175324
10°	169313
15°	156505
20°	135042
25°	106651
30°	75657
35°	48774
40°	29312
45°	16529
50°	8870
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: 16529 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.9	11.6
10°-20°	190.6	29.6
20°-30°	199.8	31.0
30°-40°	116.5	18.1
40°-50°	43.6	6.8
50°-60°	10.3	1.6
60°-70°	5.2	0.8
70°-80°	3.2	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°	465.3	72.1
0°-40°	581.8	90.2
0°-60°	635.7	98.6
0°-90°	645.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	645.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	808	
5°	796	75
15°	689	191
25°	441	200
35°	182	117
45°	53	44
55°	8	10
65°	5	5
75°	3	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	807.7
2.5°	805.3
5°	796.5
7.5°	782.3
10°	760.4
12.5°	729.6
15°	689.4
17.5°	638.5
20°	578.7
22.5°	511.8
25°	440.8
27.5°	368.0
30°	298.8
32.5°	236.1
35°	182.2
37.5°	138.5
40°	102.4
42.5°	73.4
45°	53.3
47.5°	38.5
50°	26.0
52.5°	14.8
55°	8.3
57.5°	7.1
60°	6.5
62.5°	5.9
65°	5.3
67.5°	4.7
70°	4.1
72.5°	3.6
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)