

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: P1289450

Luminaire Tested: P3A05R40W2N902750DE010 E3DL1WMH\_4000K

Issue Date: 1/30/2026

**Test Information**

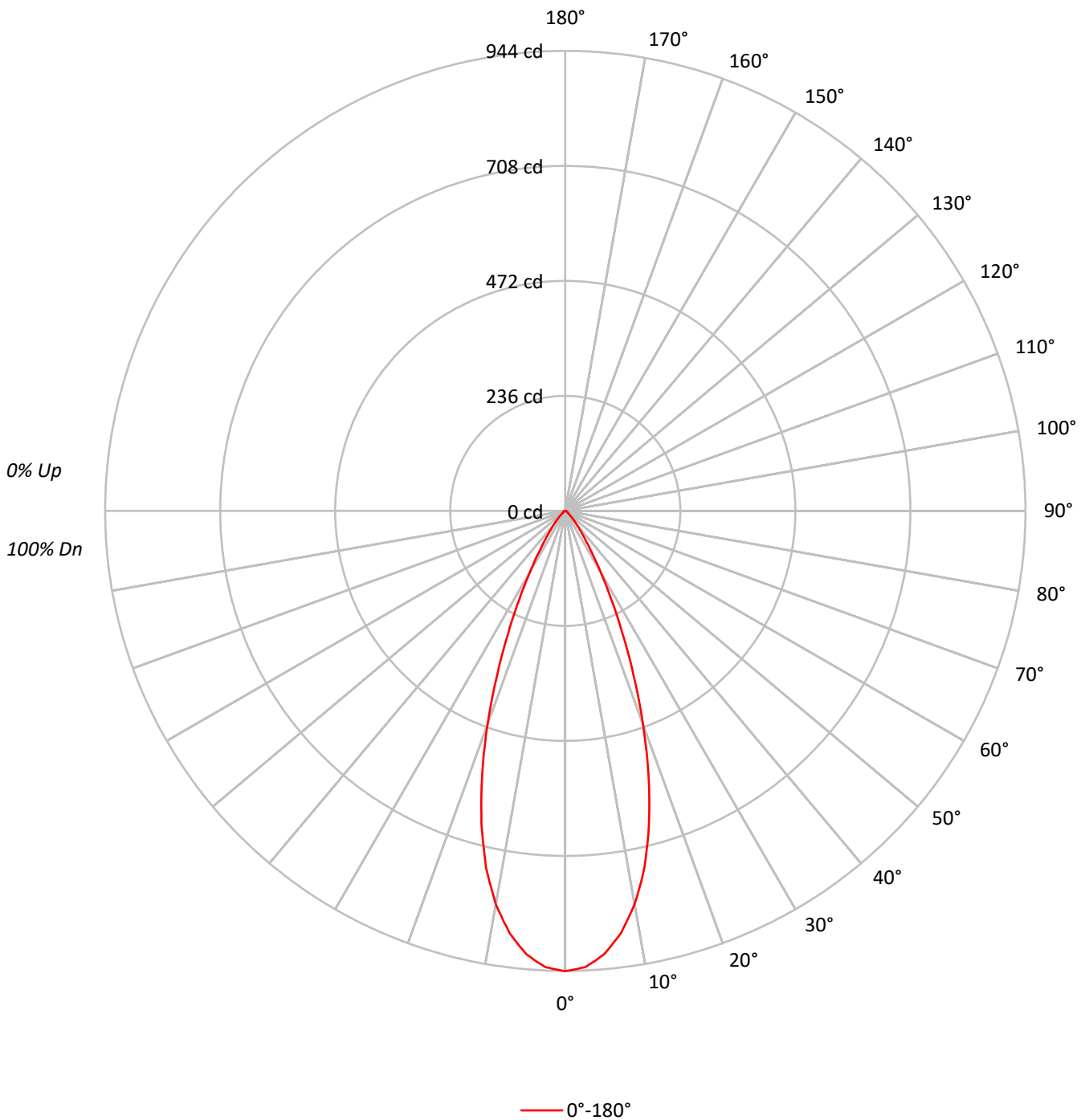
Test Method: LM-79-2019  
Report Number: P1289450  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R40W2N902750DE010 E3DL1WMH\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 90CRI ,  
E3DL1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 468.0 lumens  
Efficiency: N/A  
Efficacy: 79.3 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): 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	67	67	67	65
9	82	73	68	64	81	73	68	64	72	67	64	71	67	64	70	66	64	64	64	64	63
10	78	70	65	62	78	70	65	61	69	64	61	68	64	61	67	64	61	61	61	61	60

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	207089
5°	201078
10°	182473
15°	150739
20°	108743
25°	67262
30°	36411
35°	18819
40°	10248
45°	5737
50°	2866
55°	2141
60°	1930
65°	1868
70°	1795
75°	1694
80°	1515
85°	1006

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5737 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.2	18.0
10°-20°	180.8	38.6
20°-30°	129.0	27.6
30°-40°	47.5	10.2
40°-50°	15.0	3.2
50°-60°	5.2	1.1
60°-70°	3.6	0.8
70°-80°	2.1	0.5
80°-90°	0.6	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°	394.1	84.2
0°-40°	441.6	94.4
0°-60°	461.7	98.7
0°-90°	468.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	468.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	944	
5°	914	84
15°	664	181
25°	278	129
35°	70	47
45°	18	15
55°	6	5
65°	4	4
75°	2	2
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	944.4
2.5°	937.2
5°	913.5
7.5°	874.1
10°	819.5
12.5°	750.0
15°	664.0
17.5°	567.6
20°	466.0
22.5°	365.9
25°	278.0
27.5°	204.1
30°	143.8
32.5°	100.8
35°	70.3
37.5°	49.8
40°	35.8
42.5°	25.7
45°	18.5
47.5°	12.5
50°	8.4
52.5°	6.0
55°	5.6
57.5°	5.2
60°	4.4
62.5°	4.0
65°	3.6
67.5°	3.2
70°	2.8
72.5°	2.4
75°	2.0
77.5°	1.6
80°	1.2
82.5°	0.8
85°	0.4
87.5°	0.4
90°	0.0

(END OF REPORT)