

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: P1297100

Luminaire Tested: P3A13R40W2N902750DE010 E3DLP1WMH_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297100
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R40W2N902750DE010 E3DLP1WMH_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 90CRI ,
E3DLP1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

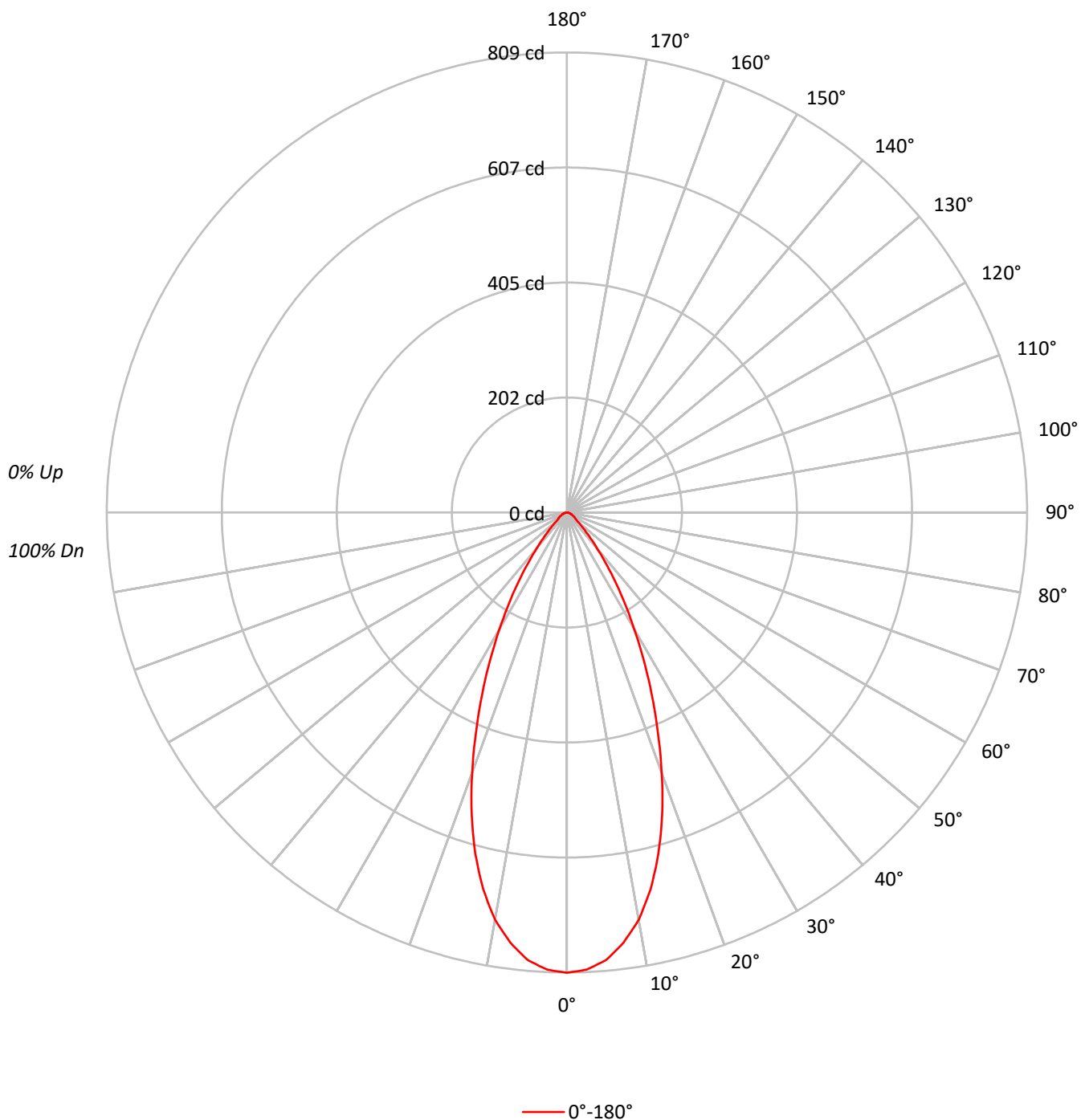
Lumens per Lamp: N/A
Luminaire Lumens: 570.0 lumens
Efficiency: N/A
Efficacy: 46.3 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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			
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	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	93	97	94	91	94	92	89	92	89	88	86		
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	86	84	81	80		
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74		
5	92	83	77	73	90	82	77	73	81	76	72	79	75	71	77	74	71	69		
6	87	78	72	68	86	78	72	68	76	71	67	75	70	67	73	69	66	65		
7	83	74	68	64	82	73	68	63	72	67	63	71	66	63	70	66	62	61		
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58		
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54		
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	51		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	177486
5°	173893
10°	161899
15°	141113
20°	113713
25°	85239
30°	59933
35°	39270
40°	23759
45°	14203
50°	8460
55°	6805
60°	6140
65°	5241
70°	5001
75°	3982
80°	3915
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14203 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.4	12.9
10°-20°	171.2	30.0
20°-30°	161.3	28.3
30°-40°	93.3	16.4
40°-50°	37.2	6.5
50°-60°	16.4	2.9
60°-70°	10.2	1.8
70°-80°	5.3	0.9
80°-90°	1.7	0.3
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°	405.9	71.2
0°-40°	499.2	87.6
0°-60°	552.8	97.0
0°-90°	570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	570.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	809	
5°	790	73
15°	622	171
25°	352	161
35°	147	93
45°	46	37
55°	18	16
65°	10	10
75°	5	5
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	809.4
2.5°	804.7
5°	790.0
7.5°	762.8
10°	727.1
12.5°	679.0
15°	621.6
17.5°	557.2
20°	487.3
22.5°	417.5
25°	352.3
27.5°	291.8
30°	236.7
32.5°	188.6
35°	146.7
37.5°	111.0
40°	83.0
42.5°	62.1
45°	45.8
47.5°	33.4
50°	24.8
52.5°	20.2
55°	17.8
57.5°	16.3
60°	14.0
62.5°	11.6
65°	10.1
67.5°	8.5
70°	7.8
72.5°	6.2
75°	4.7
77.5°	3.9
80°	3.1
82.5°	2.3
85°	1.6
87.5°	0.8
90°	0.0

(END OF REPORT)