

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: P1297319

Luminaire Tested: P3A13R45W2N902750DE010 E3DL1H_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R45W2N902750DE010 E3DL1H_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

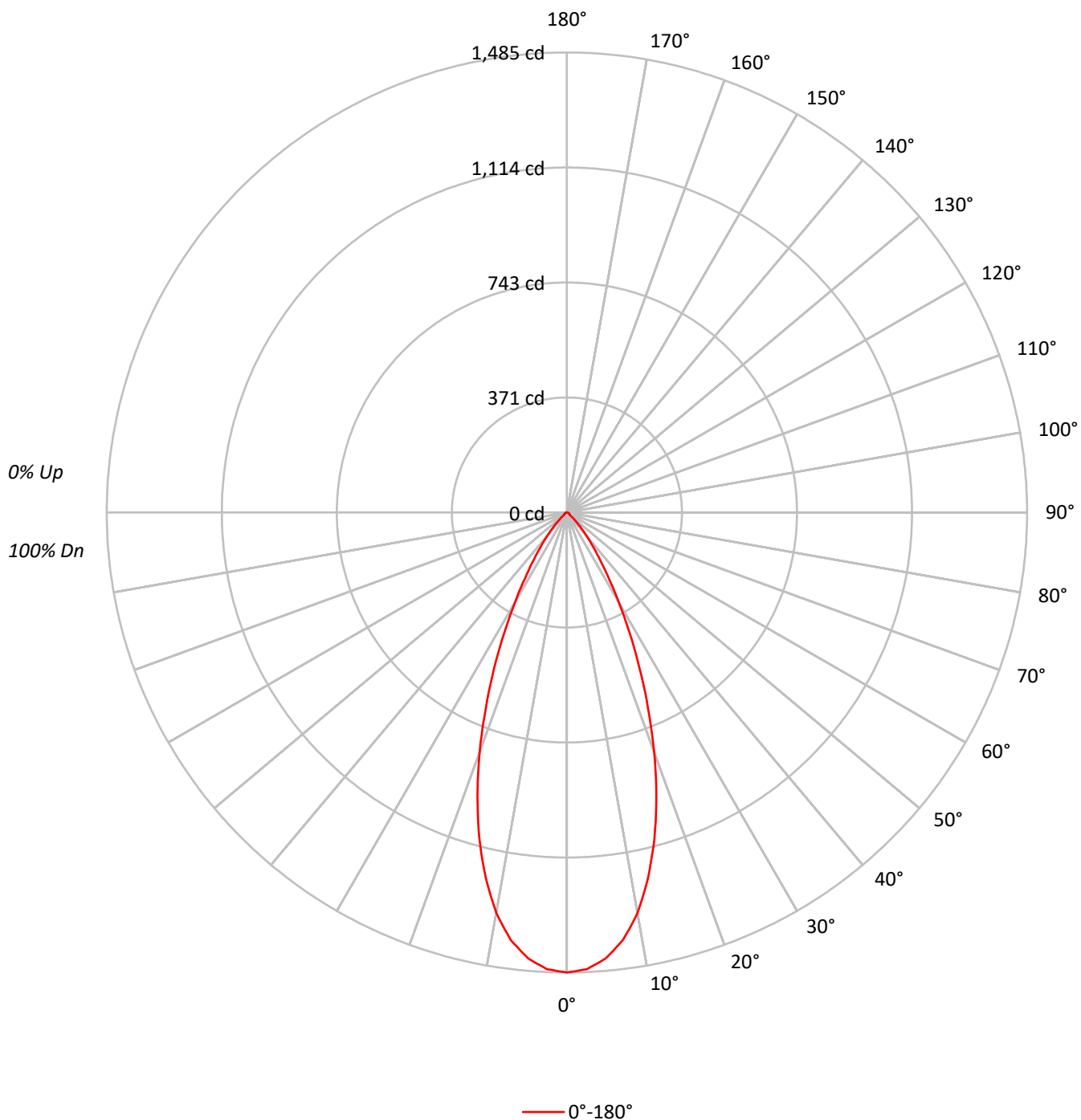
Lumens per Lamp: N/A
Luminaire Lumens: 867.1 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				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	100			
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88			
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83			
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78			
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74			
6	90	82	76	73	89	81	76	72	80	75	72	78	74	71	77	74	71	70			
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66			
8	83	74	68	65	82	73	68	64	72	68	64	71	67	64	70	67	64	62			
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	61	59			
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	325588
5°	317961
10°	292290
15°	247652
20°	192143
25°	134330
30°	84621
35°	49818
40°	28196
45°	13707
50°	4776
55°	3861
60°	3728
65°	3632
70°	3462
75°	3304
80°	2904
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13707 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.7	15.4
10°-20°	299.6	34.6
20°-30°	254.4	29.3
30°-40°	121.4	14.0
40°-50°	36.5	4.2
50°-60°	9.3	1.1
60°-70°	6.9	0.8
70°-80°	4.1	0.5
80°-90°	1.2	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°	687.7	79.3
0°-40°	809.0	93.3
0°-60°	854.9	98.6
0°-90°	867.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	867.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1485	
5°	1444	134
15°	1091	300
25°	555	254
35°	186	121
45°	44	37
55°	10	9
65°	7	7
75°	4	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1484.8
2.5°	1475.5
5°	1444.5
7.5°	1391.0
10°	1312.7
12.5°	1208.8
15°	1090.9
17.5°	959.9
20°	823.4
22.5°	684.6
25°	555.2
27.5°	437.3
30°	334.2
32.5°	251.2
35°	186.1
37.5°	137.2
40°	98.5
42.5°	68.2
45°	44.2
47.5°	24.8
50°	14.0
52.5°	10.9
55°	10.1
57.5°	9.3
60°	8.5
62.5°	7.8
65°	7.0
67.5°	6.2
70°	5.4
72.5°	4.7
75°	3.9
77.5°	3.1
80°	2.3
82.5°	1.6
85°	0.8
87.5°	0.8
90°	0.0

(END OF REPORT)