

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: P1297378

Luminaire Tested: P3A13R45W2N902750DE010 E3DLP1H_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297378
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R45W2N902750DE010 E3DLP1H_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 3500K CCT AND, 90CRI ,
E3DLP1H TRIM
Light Source: -
Ballast/Driver: -

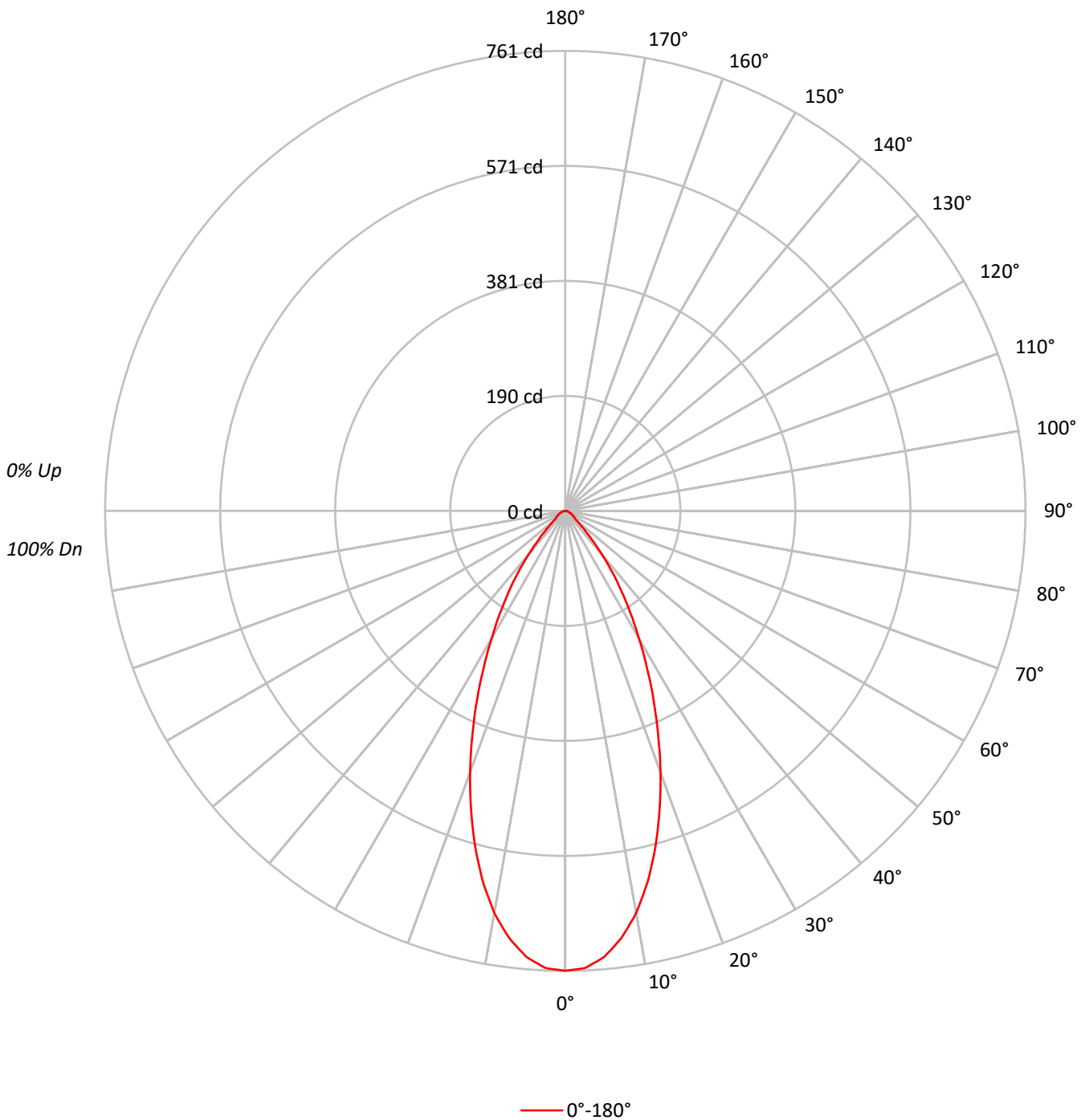
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 560.0 lumens
Efficiency: N/A
Efficacy: 45.5 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.76
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				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	110	107	105	111	108	106	103		104	102	100			100	99	97			97	96	94			93
2	107	102	98	94	105	100	96	93		97	94	91			94	91	89			91	89	87			86
3	102	95	90	85	100	93	89	85		91	87	83			88	85	82			86	83	81			79
4	96	88	83	78	94	87	82	78		85	81	77			83	79	76			81	78	75			74
5	91	83	77	72	90	82	76	72		80	75	71			78	74	71			77	73	70			69
6	87	78	72	67	85	77	71	67		75	70	66			74	69	66			73	69	66			64
7	83	73	67	63	81	72	67	63		71	66	62			70	65	62			69	65	61			60
8	79	69	63	59	77	68	63	59		67	62	58			66	62	58			65	61	58			56
9	75	65	59	55	74	65	59	55		64	59	55			63	58	55			62	58	55			53
10	72	62	56	52	71	61	56	52		61	55	52			60	55	52			59	55	52			50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	166807
5°	162998
10°	150365
15°	130739
20°	107413
25°	83569
30°	61706
35°	43420
40°	27108
45°	14668
50°	7949
55°	6843
60°	6140
65°	5241
70°	4488
75°	4575
80°	3915
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14668 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	12.2
10°-20°	159.2	28.4
20°-30°	158.1	28.2
30°-40°	101.8	18.2
40°-50°	39.2	7.0
50°-60°	16.0	2.8
60°-70°	10.1	1.8
70°-80°	5.4	1.0
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°	385.9	68.9
0°-40°	487.6	87.1
0°-60°	542.8	96.9
0°-90°	560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	560.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	761	
5°	740	69
15°	576	159
25°	345	158
35°	162	102
45°	47	39
55°	18	16
65°	10	10
75°	5	5
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	760.7
2.5°	756.8
5°	740.5
7.5°	712.6
10°	675.3
12.5°	628.7
15°	575.9
17.5°	518.5
20°	460.3
22.5°	401.3
25°	345.4
27.5°	292.6
30°	243.7
32.5°	201.0
35°	162.2
37.5°	127.3
40°	94.7
42.5°	68.3
45°	47.3
47.5°	31.8
50°	23.3
52.5°	19.4
55°	17.9
57.5°	15.5
60°	14.0
62.5°	11.6
65°	10.1
67.5°	8.5
70°	7.0
72.5°	6.2
75°	5.4
77.5°	3.9
80°	3.1
82.5°	2.3
85°	1.6
87.5°	0.8
90°	0.0

(END OF REPORT)