

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: P1298846

Luminaire Tested: P3A13R70W2N902750DE010 E3CD1MB_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1298846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R70W2N902750DE010 E3CD1MB_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

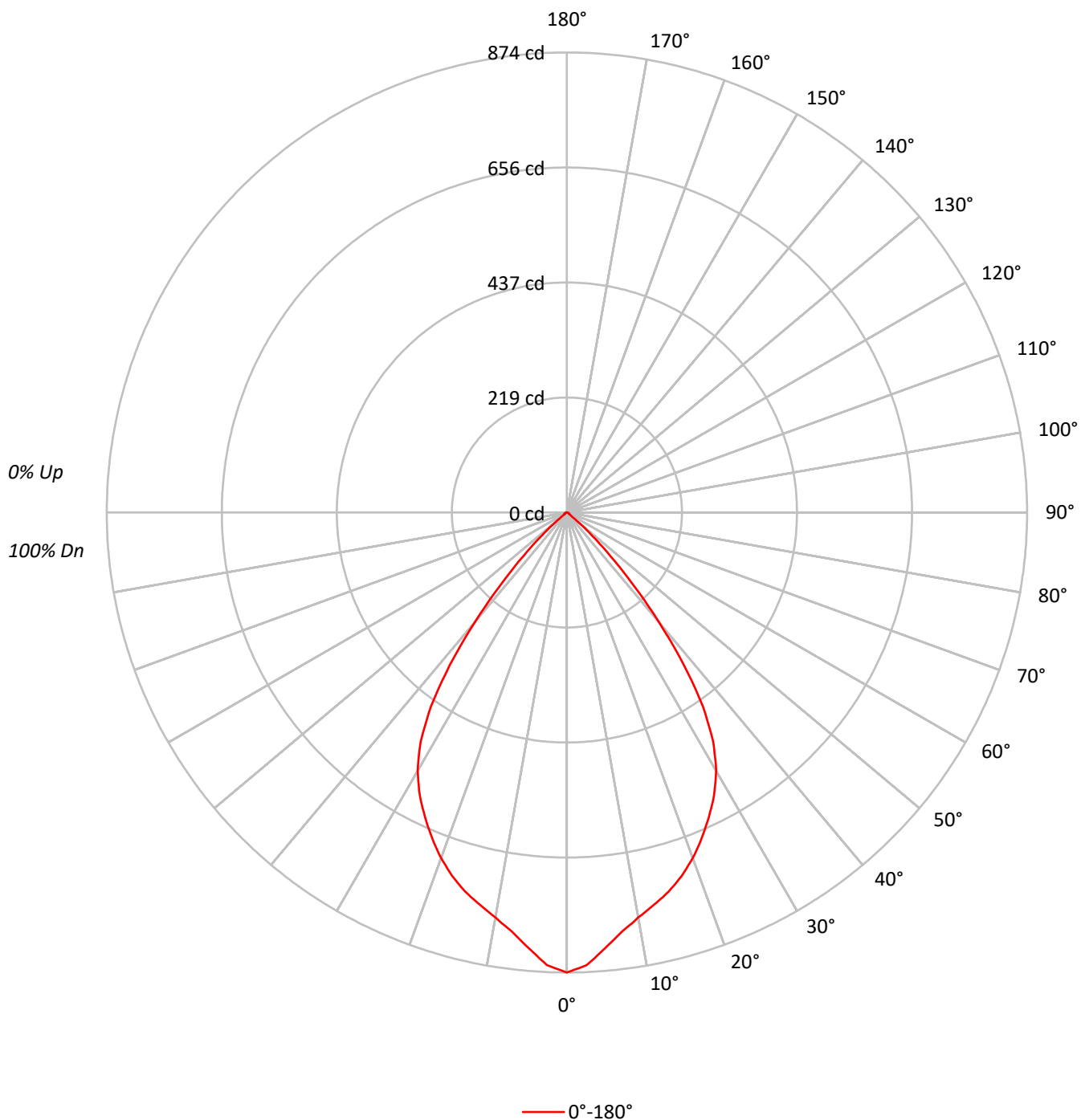
Lumens per Lamp: N/A
Luminaire Lumens: 965.0 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1298846

CATALOG NUMBER: P3A13R70W2N902750DE010 E3CD1MB_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P1298846

CATALOG NUMBER: P3A13R70W2N902750DE010 E3CD1MB_5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					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	97	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	82	80	78			
4	95	87	81	77	94	86	81	76	84	79	75	82	78	75	80	77	74	72			
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	66			
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	76	66	59	55	75	65	59	55	64	58	55	63	58	54	62	57	54	53			
9	72	62	55	51	71	61	55	51	60	55	51	59	54	50	58	54	50	49			
10	68	58	52	47	67	57	51	47	56	51	47	56	51	47	55	50	47	46			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	191629
5°	182852
10°	173967
15°	169309
20°	163068
25°	154340
30°	143541
35°	120569
40°	77717
45°	36128
50°	9484
55°	2370
60°	2368
65°	2024
70°	1988
75°	1949
80°	1894
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36128 cd/sqm

TEST NUMBER: P1298846

CATALOG NUMBER: P3A13R70W2N902750DE010 E3CD1MB_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.8	8.1
10°-20°	209.6	21.7
20°-30°	292.8	30.3
30°-40°	271.5	28.1
40°-50°	97.3	10.1
50°-60°	8.3	0.9
60°-70°	4.1	0.4
70°-80°	2.6	0.3
80°-90°	1.0	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°	580.1	60.1
0°-40°	851.6	88.2
0°-60°	957.2	99.2
0°-90°	965.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	965.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	874	
5°	831	78
15°	746	210
25°	638	293
35°	450	271
45°	116	97
55°	6	8
65°	4	4
75°	2	3
85°	1	1
90°	0	

TEST NUMBER: P1298846

CATALOG NUMBER: P3A13R70W2N902750DE010 E3CD1MB_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	873.9
2.5°	860.8
5°	830.7
7.5°	802.9
10°	781.3
12.5°	763.6
15°	745.8
17.5°	724.2
20°	698.8
22.5°	669.5
25°	637.9
27.5°	605.5
30°	566.9
32.5°	517.5
35°	450.4
37.5°	364.8
40°	271.5
42.5°	185.1
45°	116.5
47.5°	64.8
50°	27.8
52.5°	9.3
55°	6.2
57.5°	5.4
60°	5.4
62.5°	4.6
65°	3.9
67.5°	3.9
70°	3.1
72.5°	3.1
75°	2.3
77.5°	2.3
80°	1.5
82.5°	1.5
85°	0.8
87.5°	0.8
90°	0.0

(END OF REPORT)