

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: P1296140

Luminaire Tested: P3A13R25W2N902765DE010 E3CD1MW_6500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1296140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R25W2N902765DE010 E3CD1MW_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 6500K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

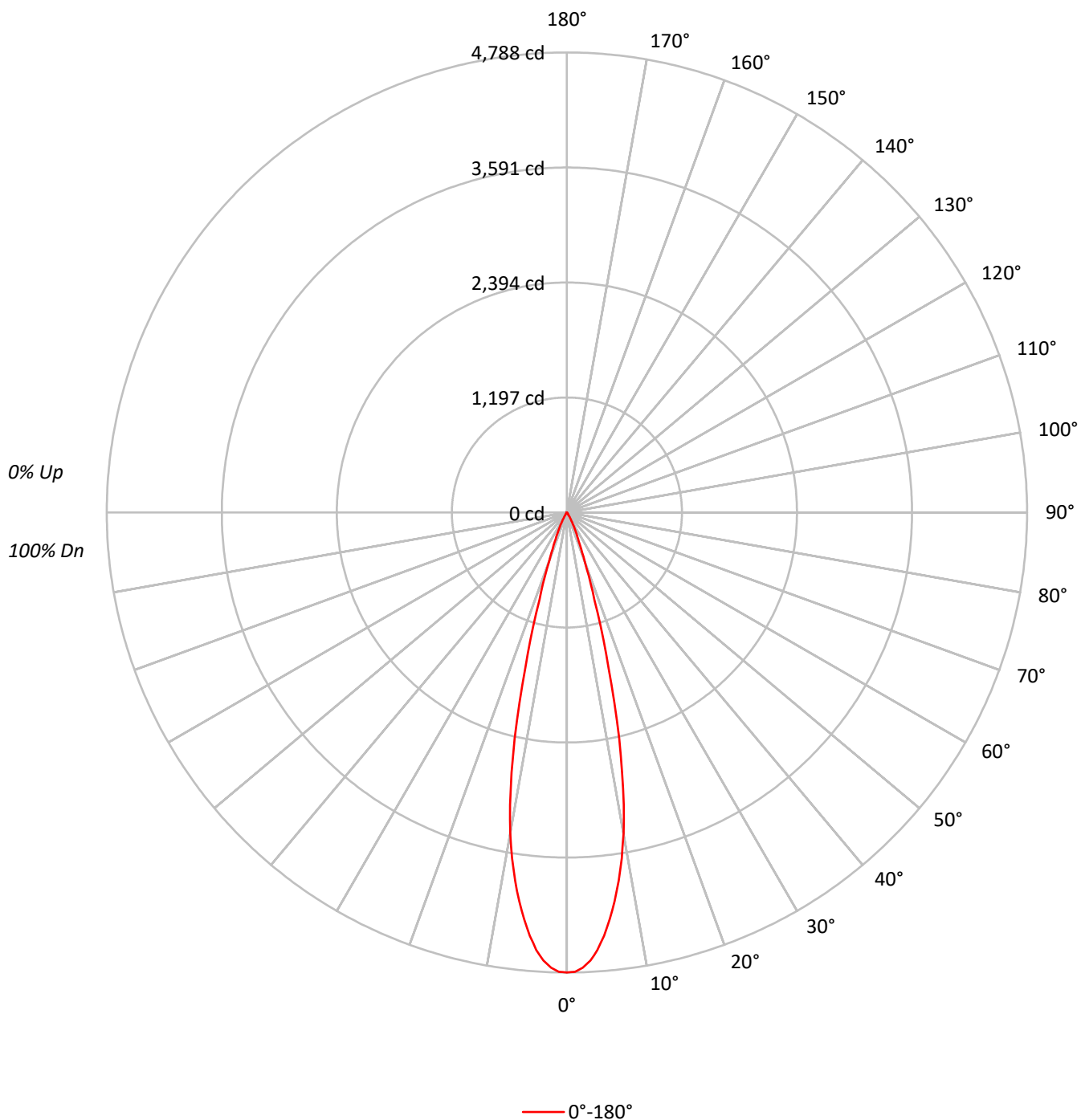
Lumens per Lamp: N/A
Luminaire Lumens: 982.0 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1296140

CATALOG NUMBER: P3A13R25W2N902765DE010 E3CD1MW_6500K

Luminous Intensity Polar Plot





TEST NUMBER: P1296140

CATALOG NUMBER: P3A13R25W2N902765DE010 E3CD1MW_6500K

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	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97			
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94			
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92			
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89			
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87			
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	86	85			
7	97	91	88	85	96	91	87	85	90	87	84	89	86	84	88	85	83	83			
8	95	89	85	83	94	89	85	82	88	84	82	87	84	82	86	83	81	81			
9	93	87	83	80	92	86	83	80	86	82	80	85	82	80	84	82	80	79			
10	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	80	78	77			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1049894
5°	973759
10°	755163
15°	378663
20°	124401
25°	49454
30°	18560
35°	5381
40°	2433
45°	961
50°	785
55°	573
60°	658
65°	778
70°	513
75°	678
80°	1010
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 1010 cd/sqm

TEST NUMBER: P1296140

CATALOG NUMBER: P3A13R25W2N902765DE010 E3CD1MW_6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.1	39.6
10°-20°	464.2	47.3
20°-30°	104.7	10.7
30°-40°	17.0	1.7
40°-50°	3.1	0.3
50°-60°	1.6	0.2
60°-70°	1.4	0.1
70°-80°	0.8	0.1
80°-90°	0.1	0.0
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°	958.0	97.6
0°-40°	974.9	99.3
0°-60°	979.6	99.8
0°-90°	982.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	982.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4788	
5°	4424	389
15°	1668	464
25°	204	105
35°	20	17
45°	3	3
55°	2	2
65°	2	1
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1296140

CATALOG NUMBER: P3A13R25W2N902765DE010 E3CD1MW_6500K

CANDELA DISTRIBUTION (FULL):

0°	
0°	4787.9
1°	4780.2
2°	4741.6
3°	4670.7
4°	4563.4
5°	4423.8
6°	4257.1
7°	4076.6
8°	3869.8
9°	3643.8
10°	3391.5
11°	3100.7
12°	2765.8
13°	2415.6
14°	2039.8
15°	1668.0
17.5°	950.5
20°	533.1
22.5°	321.7
25°	204.4
27.5°	125.8
30°	73.3
32.5°	38.6
35°	20.1
37.5°	13.1
40°	8.5
42.5°	5.4
45°	3.1
47.5°	2.3
50°	2.3
52.5°	2.3
55°	1.5
57.5°	1.5
60°	1.5
62.5°	1.5
65°	1.5
67.5°	1.5
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P1296140

CATALOG NUMBER: P3A13R25W2N902765DE010 E3CD1MW_6500K

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)