

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: P1299755

Luminaire Tested: P3A17R25W2N902750DE010 E3CD1MB_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299755
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: P3A17R25W2N902750DE010 E3CD1MB_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI ,
E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

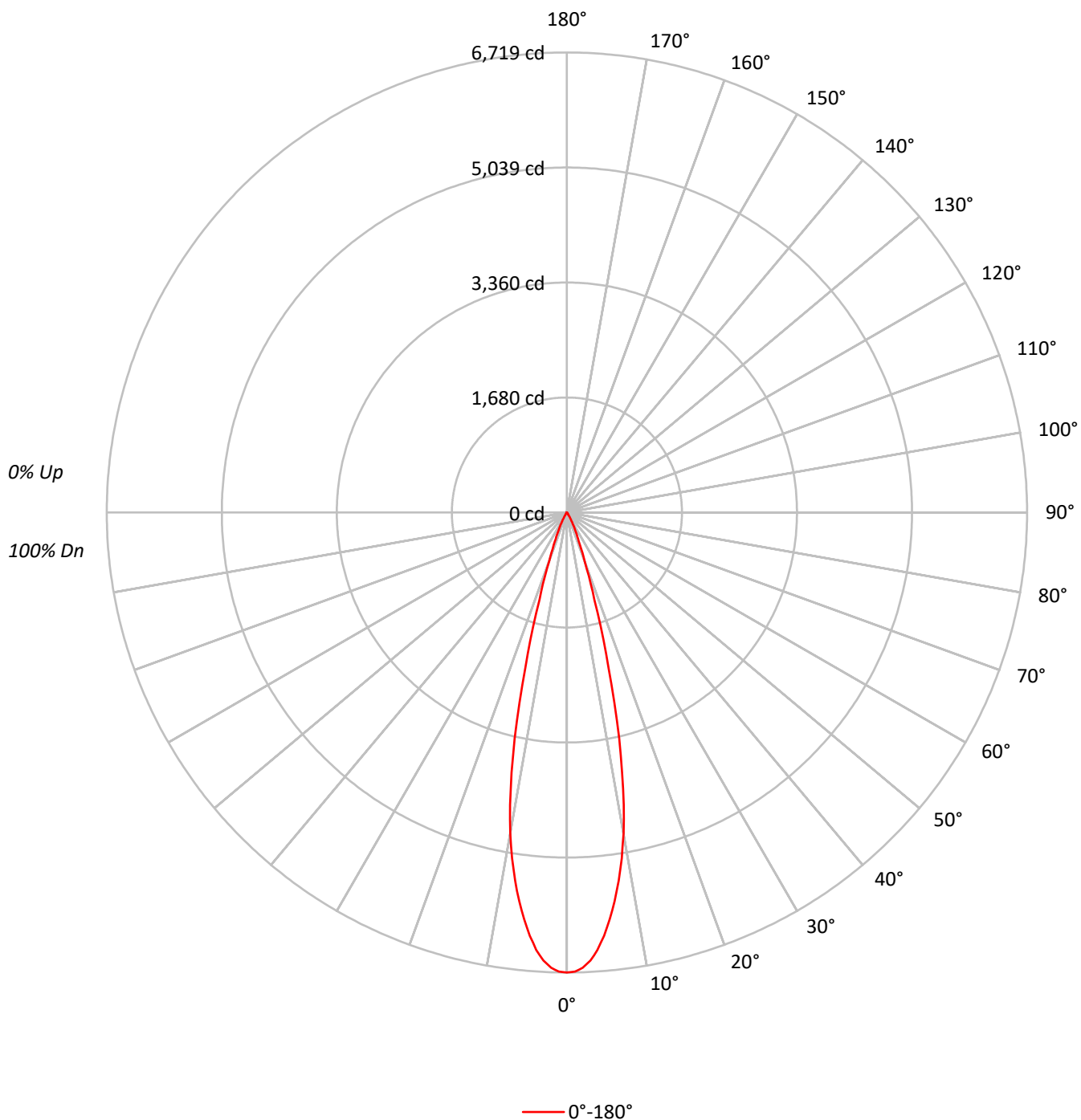
Lumens per Lamp: N/A
Luminaire Lumens: 1378.0 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.4
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	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°	1473281
5°	1366428
10°	1059700
15°	531354
20°	174572
25°	69415
30°	26029
35°	7522
40°	3406
45°	1333
50°	1092
55°	841
60°	965
65°	1141
70°	705
75°	932
80°	1389
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 1389 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	546.0	39.6
10°-20°	651.4	47.3
20°-30°	146.9	10.7
30°-40°	23.8	1.7
40°-50°	4.3	0.3
50°-60°	2.3	0.2
60°-70°	2.0	0.1
70°-80°	1.2	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°	1344.3	97.6
0°-40°	1368.1	99.3
0°-60°	1374.7	99.8
0°-90°	1378.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1378.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6719	
5°	6208	546
15°	2341	651
25°	287	147
35°	28	24
45°	4	4
55°	2	2
65°	2	2
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6718.7
1°	6707.9
2°	6653.7
3°	6554.1
4°	6403.7
5°	6207.7
6°	5973.9
7°	5720.5
8°	5430.4
9°	5113.2
10°	4759.2
11°	4351.0
12°	3881.2
13°	3389.7
14°	2862.4
15°	2340.6
17.5°	1333.8
20°	748.1
22.5°	451.5
25°	286.9
27.5°	176.5
30°	102.8
32.5°	54.1
35°	28.1
37.5°	18.4
40°	11.9
42.5°	7.6
45°	4.3
47.5°	3.2
50°	3.2
52.5°	3.2
55°	2.2
57.5°	2.2
60°	2.2
62.5°	2.2
65°	2.2
67.5°	2.2
70°	1.1
72.5°	1.1
75°	1.1
77.5°	1.1
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)