

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: P1288383

Luminaire Tested: P3A05R25W2N902750DE010 E3CD1MW_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1288383
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: P3A05R25W2N902750DE010 E3CD1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 511.0 lumens
Efficiency: N/A
Efficacy: 86.6 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): 5.9
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					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°	546338
5°	506712
10°	392956
15°	197050
20°	64732
25°	25743
30°	9647
35°	2784
40°	1260
45°	496
50°	409
55°	306
60°	351
65°	415
70°	256
75°	339
80°	505
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 505 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.5	39.6
10°-20°	241.6	47.3
20°-30°	54.5	10.7
30°-40°	8.8	1.7
40°-50°	1.6	0.3
50°-60°	0.8	0.2
60°-70°	0.7	0.1
70°-80°	0.4	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°	498.5	97.6
0°-40°	507.3	99.3
0°-60°	509.7	99.8
0°-90°	511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	511.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2492	
5°	2302	202
15°	868	242
25°	106	54
35°	10	9
45°	2	2
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2491.5
1°	2487.5
2°	2467.4
3°	2430.5
4°	2374.7
5°	2302.0
6°	2215.3
7°	2121.3
8°	2013.7
9°	1896.1
10°	1764.8
11°	1613.5
12°	1439.2
13°	1257.0
14°	1061.5
15°	868.0
17.5°	494.6
20°	277.4
22.5°	167.4
25°	106.4
27.5°	65.4
30°	38.1
32.5°	20.1
35°	10.4
37.5°	6.8
40°	4.4
42.5°	2.8
45°	1.6
47.5°	1.2
50°	1.2
52.5°	1.2
55°	0.8
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.4
80°	0.4
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)