

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: P1288869

Luminaire Tested: P3A05R30W2N902765DE010 E3CB1MB_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1288869
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R30W2N902765DE010 E3CB1MB_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 90CRI ,
E3CB1MB 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): 0.53 / 0.53 / 0.47
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					10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	111	109		113	111	109	108		107	106	104		103	102	101		100	99	98
2	111	108	105	102		109	106	104	101		103	101	99		100	99	97		98	96	95
3	108	103	100	97		106	102	99	96		100	97	95		97	95	93		95	94	92
4	105	100	96	93		103	99	95	92		97	94	91		95	92	90		93	91	89
5	102	96	92	89		100	95	91	89		94	90	88		92	89	87		91	88	87
6	99	93	89	86		98	92	88	86		91	88	85		90	87	85		89	86	84
7	96	90	86	83		95	89	86	83		88	85	82		87	84	82		86	84	82
8	94	87	83	81		93	87	83	80		86	83	80		85	82	80		84	82	80
9	91	85	81	78		90	84	81	78		84	80	78		83	80	78		82	79	77
10	89	83	79	76		88	82	78	76		82	78	76		81	78	76		80	77	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	416129
5°	408253
10°	361405
15°	228968
20°	86924
25°	25743
30°	10153
35°	3105
40°	1374
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°	170.5	33.4
10°-20°	265.7	52.0
20°-30°	61.7	12.1
30°-40°	9.6	1.9
40°-50°	1.6	0.3
50°-60°	0.8	0.1
60°-70°	0.6	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°	497.9	97.4
0°-40°	507.5	99.3
0°-60°	509.9	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°	1898	
5°	1855	170
15°	1009	266
25°	106	62
35°	12	10
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°	1897.7
1°	1896.5
2°	1891.3
3°	1882.4
4°	1871.2
5°	1854.7
6°	1834.3
7°	1803.8
8°	1762.0
9°	1700.6
10°	1623.1
11°	1523.2
12°	1410.4
13°	1285.2
14°	1147.5
15°	1008.6
17.5°	659.9
20°	372.5
22.5°	190.3
25°	106.4
27.5°	65.4
30°	40.1
32.5°	21.7
35°	11.6
37.5°	7.6
40°	4.8
42.5°	2.8
45°	1.6
47.5°	1.2
50°	1.2
52.5°	0.8
55°	0.8
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.4
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)