

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: P1289237

Luminaire Tested: P3A05R35W2N902765DE010 E3D1MW_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289237
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R35W2N902765DE010 E3D1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3500K CCT AND, 90CRI ,
E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 510.0 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.52
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				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	109	112	110	109	107	106	105	104		103	102	101		99	99	98		96
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97	95	94		93
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94	92	90		89
4	104	98	94	91	102	97	93	90	95	92	89		93	90	88		91	89	87		86
5	100	94	90	87	99	93	89	86	92	88	86		90	87	85		89	86	84		83
6	97	91	86	83	96	90	86	83	89	85	82		87	84	82		86	83	81		80
7	94	87	83	80	93	87	83	80	86	82	79		85	81	79		84	81	79		78
8	91	84	80	77	90	84	80	77	83	79	77		82	79	76		81	78	76		75
9	89	82	77	74	88	81	77	74	80	77	74		80	76	74		79	76	74		73
10	86	79	75	72	85	79	75	72	78	74	72		77	74	72		77	74	71		70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	332561
5°	325775
10°	303067
15°	222203
20°	113783
25°	41010
30°	15977
35°	5595
40°	2290
45°	620
50°	546
55°	612
60°	526
65°	415
70°	513
75°	678
80°	505
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 678 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.0	27.1
10°-20°	258.9	50.8
20°-30°	91.7	18.0
30°-40°	16.1	3.1
40°-50°	2.3	0.5
50°-60°	1.3	0.3
60°-70°	0.9	0.2
70°-80°	0.7	0.1
80°-90°	0.2	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°	488.5	95.8
0°-40°	504.6	98.9
0°-60°	508.2	99.6
0°-90°	510.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	510.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1517	
5°	1480	138
15°	979	259
25°	170	92
35°	21	16
45°	2	2
55°	2	1
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1516.6
1°	1516.2
2°	1511.3
3°	1502.1
4°	1493.7
5°	1480.0
6°	1466.0
7°	1450.3
8°	1431.0
9°	1400.9
10°	1361.1
11°	1306.1
12°	1239.8
13°	1161.1
14°	1074.4
15°	978.8
17.5°	729.0
20°	487.6
22.5°	294.0
25°	169.5
27.5°	101.2
30°	63.1
32.5°	36.5
35°	20.9
37.5°	13.3
40°	8.0
42.5°	4.0
45°	2.0
47.5°	1.6
50°	1.6
52.5°	1.6
55°	1.6
57.5°	1.2
60°	1.2
62.5°	1.2
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)