

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: P1296809

Luminaire Tested: P3AS13R35W2N902765DE010 E3CD1MB\_3500K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1296809  
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: P3AS13R35W2N902765DE010 E3CD1MB\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3500K CCT AND, 90CRI ,  
E3CD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 985.1 lumens  
Efficiency: N/A  
Efficacy: 80.1 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): 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

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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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96			96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93			93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	89			89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86			86
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83			83
6	97	91	86	83	96	90	86	83	89	85	82	87	84	82	86	83	81	80			80
7	94	87	83	80	93	87	83	80	86	82	79	85	81	79	84	81	79	77			77
8	91	84	80	77	90	84	80	77	83	79	77	82	79	76	81	78	76	75			75
9	89	82	77	74	88	81	77	74	80	77	74	80	76	74	79	76	74	73			73
10	86	79	75	72	85	79	75	72	78	74	72	77	74	72	77	74	71	70			70

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	642295
5°	629208
10°	585360
15°	429151
20°	219749
25°	79190
30°	30840
35°	10788
40°	4437
45°	1209
50°	1058
55°	1185
60°	1009
65°	830
70°	1026
75°	1356
80°	1010
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 1356 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	266.5	27.1
10°-20°	500.0	50.8
20°-30°	177.0	18.0
30°-40°	31.0	3.1
40°-50°	4.5	0.5
50°-60°	2.5	0.3
60°-70°	1.8	0.2
70°-80°	1.4	0.1
80°-90°	0.3	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°	943.5	95.8
0°-40°	974.5	98.9
0°-60°	981.5	99.6
0°-90°	985.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	985.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2929	
5°	2858	266
15°	1890	500
25°	327	177
35°	40	31
45°	4	5
55°	3	3
65°	2	2
75°	2	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2929.1
1°	2928.3
2°	2919.0
3°	2901.1
4°	2884.8
5°	2858.5
6°	2831.3
7°	2801.1
8°	2763.8
9°	2705.7
10°	2628.9
11°	2522.6
12°	2394.6
13°	2242.6
14°	2075.0
15°	1890.4
17.5°	1407.9
20°	941.7
22.5°	567.8
25°	327.3
27.5°	195.5
30°	121.8
32.5°	70.6
35°	40.3
37.5°	25.6
40°	15.5
42.5°	7.8
45°	3.9
47.5°	3.1
50°	3.1
52.5°	3.1
55°	3.1
57.5°	2.3
60°	2.3
62.5°	2.3
65°	1.6
67.5°	1.6
70°	1.6
72.5°	1.6
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0



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**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0

(END OF REPORT)