

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: P1289844

Luminaire Tested: P3A05R45W2N902765DE010 E3CD1MW_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R45W2N902765DE010 E3CD1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 538.0 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66
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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95		
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91		
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87		
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	82		
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79		
6	94	87	82	78	93	86	81	78	85	80	77	83	80	77	82	79	76	75		
7	90	83	78	74	89	82	78	74	81	77	74	80	76	74	79	76	73	72		
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69		
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66		
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	64		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	233249
5°	234492
10°	227295
15°	190466
20°	145589
25°	88626
30°	36892
35°	11805
40°	3664
45°	744
50°	546
55°	612
60°	526
65°	623
70°	513
75°	678
80°	505
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 744 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.5	18.7
10°-20°	230.6	42.9
20°-30°	166.0	30.9
30°-40°	34.5	6.4
40°-50°	3.1	0.6
50°-60°	1.3	0.2
60°-70°	1.0	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°	497.1	92.4
0°-40°	531.7	98.8
0°-60°	536.1	99.6
0°-90°	538.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	538.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1064	
5°	1065	100
15°	839	231
25°	366	166
35°	44	35
45°	2	3
55°	2	1
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1063.7
2.5°	1064.1
5°	1065.3
7.5°	1057.7
10°	1020.8
12.5°	943.7
15°	839.0
17.5°	731.9
20°	623.9
22.5°	500.0
25°	366.3
27.5°	241.6
30°	145.7
32.5°	81.5
35°	44.1
37.5°	24.9
40°	12.8
42.5°	5.6
45°	2.4
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°	1.2
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
90°	0.0

(END OF REPORT)