

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: P1288219

Luminaire Tested: P3A05R20W2N902765DE010 E3CD1MB_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1288219
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R20W2N902765DE010 E3CD1MB_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 90CRI ,
E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 507.0 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98	98	98
2	112	109	107	104	110	108	105	103	104	103	101	102	100	99	99	98	97	95	95	95
3	109	105	102	100	108	104	101	99	102	99	97	99	98	96	97	96	95	93	93	93
4	107	102	99	96	105	101	98	96	99	97	95	97	95	93	96	94	92	91	91	91
5	104	99	96	93	103	98	95	93	97	94	92	95	93	91	94	92	91	90	90	90
6	102	97	93	91	101	96	93	90	95	92	90	94	91	89	93	90	89	88	88	88
7	100	94	91	88	99	94	91	88	93	90	88	92	89	87	91	89	87	86	86	86
8	98	92	89	86	97	92	89	86	91	88	86	90	88	86	89	87	85	85	85	85
9	96	90	87	85	95	90	87	85	89	86	84	89	86	84	88	86	84	83	83	83
10	94	89	85	83	93	88	85	83	88	85	83	87	84	83	87	84	82	82	82	82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	787437
5°	683467
10°	422303
15°	146675
20°	45037
25°	15920
30°	5900
35°	2356
40°	1260
45°	496
50°	273
55°	306
60°	351
65°	208
70°	256
75°	339
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 496 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.7	50.8
10°-20°	204.5	40.3
20°-30°	35.4	7.0
30°-40°	6.4	1.3
40°-50°	1.5	0.3
50°-60°	0.7	0.1
60°-70°	0.4	0.1
70°-80°	0.4	0.1
80°-90°	0.0	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°	497.5	98.1
0°-40°	504.0	99.4
0°-60°	506.2	99.8
0°-90°	507.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	507.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3591	
5°	3105	258
15°	646	204
25°	66	35
35°	9	6
45°	2	1
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3591.0
1°	3573.7
2°	3505.5
3°	3395.9
4°	3267.5
5°	3105.0
6°	2918.8
7°	2702.1
8°	2455.2
9°	2177.9
10°	1896.6
12.5°	1196.3
15°	646.1
17.5°	345.1
20°	193.0
22.5°	110.4
25°	65.8
27.5°	40.1
30°	23.3
32.5°	13.6
35°	8.8
37.5°	6.0
40°	4.4
42.5°	2.8
45°	1.6
47.5°	0.8
50°	0.8
52.5°	0.8
55°	0.8
57.5°	0.8
60°	0.8
62.5°	0.4
65°	0.4
67.5°	0.4
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)