

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: P1287734

Luminaire Tested: P3A05R15W2N902750DE010 E3CD1MB_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1287734
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R15W2N902750DE010 E3CD1MB_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 508.0 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
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

TEST NUMBER: P1287734

CATALOG NUMBER: P3A05R15W2N902750DE010 E3CD1MB_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1287734

CATALOG NUMBER: P3A05R15W2N902750DE010 E3CD1MB_3500K

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	50	30	10	
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100	
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	100	100	98	
2	113	110	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	96	
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	97	95	98	97	94	
4	107	103	100	97	106	102	99	97	100	97	95	98	96	94	97	95	93	98	96	92	
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	96	94	91	
6	103	98	94	92	102	97	94	92	96	93	91	95	92	91	94	92	90	95	92	89	
7	101	96	92	90	100	95	92	90	94	91	89	93	91	89	92	90	89	93	91	88	
8	99	94	90	88	98	93	90	88	92	90	88	92	89	87	91	89	87	92	90	86	
9	97	92	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	90	87	85	
10	96	90	87	85	95	90	87	85	89	87	85	89	86	85	88	86	85	89	86	84	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	987421
5°	827557
10°	389817
15°	117526
20°	43497
25°	16912
30°	6305
35°	1927
40°	687
45°	372
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: 372 cd/sqm

TEST NUMBER: P1287734

CATALOG NUMBER: P3A05R15W2N902750DE010 E3CD1MB_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.7	57.2
10°-20°	172.8	34.0
20°-30°	36.3	7.1
30°-40°	5.9	1.2
40°-50°	1.0	0.2
50°-60°	0.7	0.1
60°-70°	0.4	0.1
70°-80°	0.3	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°	499.7	98.4
0°-40°	505.6	99.5
0°-60°	507.3	99.9
0°-90°	508.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	508.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4503	
5°	3760	291
15°	518	173
25°	70	36
35°	7	6
45°	1	1
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1287734

CATALOG NUMBER: P3A05R15W2N902750DE010 E3CD1MB_3500K

CANDELA DISTRIBUTION (FULL):

0°	
0°	4503.0
1°	4489.0
2°	4417.5
3°	4274.5
4°	4064.9
5°	3759.6
6°	3401.0
7°	2990.9
8°	2599.3
9°	2155.9
10°	1750.7
12.5°	944.6
15°	517.7
17.5°	303.2
20°	186.4
22.5°	114.1
25°	69.9
27.5°	42.2
30°	24.9
32.5°	14.1
35°	7.2
37.5°	4.0
40°	2.4
42.5°	1.6
45°	1.2
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°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)