

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: P1290307

Luminaire Tested: P3A05R55W2N902750DE010 E3CD1MW_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290307
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R55W2N902750DE010 E3CD1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3500K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 534.0 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
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				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	114	111	109	107	112	109	107	105	105	104	102		101	100	99		98	97	96		94
2	109	104	101	98	107	103	99	96	100	97	94		97	94	92		94	92	90		89
3	104	98	94	90	102	97	93	89	94	91	88		92	89	86		90	87	85		84
4	99	92	87	84	98	91	87	83	89	85	82		87	84	81		86	83	80		79
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82	78	76		74
6	91	83	77	73	89	82	77	73	80	76	72		79	75	72		78	74	72		70
7	87	78	73	69	85	78	72	69	76	72	68		75	71	68		74	70	68		66
8	83	74	69	65	82	74	69	65	73	68	65		72	67	64		71	67	64		63
9	79	71	65	61	78	70	65	61	69	64	61		68	64	61		68	64	61		60
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65	61	58		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	148102
5°	146731
10°	152636
15°	150512
20°	138799
25°	112918
30°	68593
35°	23744
40°	6784
45°	3225
50°	1365
55°	612
60°	702
65°	623
70°	513
75°	678
80°	505
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3225 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	12.1
10°-20°	184.3	34.5
20°-30°	205.4	38.5
30°-40°	67.2	12.6
40°-50°	8.9	1.7
50°-60°	1.9	0.3
60°-70°	1.1	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°	454.1	85.0
0°-40°	521.3	97.6
0°-60°	532.0	99.6
0°-90°	534.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	534.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	675	
5°	667	64
15°	663	184
25°	467	205
35°	89	67
45°	10	9
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	675.4
2.5°	670.6
5°	666.6
7.5°	676.2
10°	685.5
12.5°	680.6
15°	663.0
17.5°	634.9
20°	594.8
22.5°	539.4
25°	466.7
27.5°	374.4
30°	270.9
32.5°	166.1
35°	88.7
37.5°	44.9
40°	23.7
42.5°	15.3
45°	10.4
47.5°	7.2
50°	4.0
52.5°	2.4
55°	1.6
57.5°	1.6
60°	1.6
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)