

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: P1290044

Luminaire Tested: P3A05R50W2N902750DE010 E3DL1WMH_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290044
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R50W2N902750DE010 E3DL1WMH_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 4000K CCT AND, 90CRI ,
E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 451.9 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
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: P1290044

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DL1WMH_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1290044

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DL1WMH_4000K

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	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95		94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89		87
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88	85	83		82
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84	81	78		76
5	93	85	80	76	92	84	79	75	83	78	74		81	77	74		79	76	73		72
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		75	72	69		68
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72	68	65		64
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68	64	61		60
9	78	68	63	59	76	68	62	59	67	62	59		66	62	58		65	61	58		57
10	74	65	59	56	73	65	59	56	64	59	55		63	59	55		62	58	55		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	143914
5°	141008
10°	132084
15°	118230
20°	99502
25°	75948
30°	49349
35°	29259
40°	16917
45°	8466
50°	3138
55°	2447
60°	2281
65°	2075
70°	2052
75°	2033
80°	2020
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 8466 cd/sqm

TEST NUMBER: P1290044

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DL1WMH_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	13.2
10°-20°	144.0	31.9
20°-30°	141.3	31.3
30°-40°	71.2	15.8
40°-50°	22.5	5.0
50°-60°	5.8	1.3
60°-70°	4.1	0.9
70°-80°	2.5	0.6
80°-90°	0.9	0.2
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°	344.9	76.3
0°-40°	416.1	92.1
0°-60°	444.4	98.3
0°-90°	451.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	451.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	656	
5°	641	60
15°	521	144
25°	314	141
35°	109	71
45°	27	22
55°	6	6
65°	4	4
75°	2	3
85°	1	1
90°	0	

TEST NUMBER: P1290044

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DL1WMH_4000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	656.3
2.5°	652.3
5°	640.6
7.5°	619.7
10°	593.2
12.5°	559.0
15°	520.8
17.5°	476.6
20°	426.4
22.5°	372.1
25°	313.9
27.5°	252.0
30°	194.9
32.5°	146.7
35°	109.3
37.5°	80.8
40°	59.1
42.5°	41.8
45°	27.3
47.5°	15.7
50°	9.2
52.5°	6.8
55°	6.4
57.5°	5.6
60°	5.2
62.5°	4.8
65°	4.0
67.5°	3.6
70°	3.2
72.5°	2.8
75°	2.4
77.5°	2.0
80°	1.6
82.5°	1.2
85°	0.8
87.5°	0.4
90°	0.0

(END OF REPORT)