

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: PORTFOLIO

Report Number: P1313450

Luminaire Tested: LDSQA3D09R109727DE010 3LSQPHRL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R109727DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R10 optic, 2700K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 623.0 lumens
Efficiency: N/A
Efficacy: 49.8 lumens/watt
Spacing Criteria (0/90/45): 0.18 / 0.18 / 0.18
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.5
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: P1313450

CATALOG NUMBER: LDSQA3D09R109727DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1313450

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2215472
5°	1144521
10°	224930
15°	70820
20°	30919
25°	13682
30°	7358
35°	3890
40°	1394
45°	511
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 535 cd/sqm

TEST NUMBER: P1313450

CATALOG NUMBER: LDSQA3D09R109727DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.3	71.5
10°-20°	126.6	20.3
20°-30°	36.9	5.9
30°-40°	12.1	1.9
40°-50°	2.2	0.3
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	608.8	97.7
0°-40°	620.8	99.7
0°-60°	623.0	100.0
0°-90°	623.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	623.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12864	
5°	6620	445
15°	397	127
25°	72	37
35°	18	12
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12864.0
1°	12493.6
2°	11524.3
3°	10003.5
4°	8340.7
5°	6620.3
6°	4992.5
7°	3615.7
8°	2543.6
9°	1788.3
10°	1286.2
11°	952.8
12°	732.6
13°	588.6
14°	479.5
15°	397.2
17.5°	263.4
20°	168.7
22.5°	107.0
25°	72.0
27.5°	51.4
30°	37.0
32.5°	26.8
35°	18.5
37.5°	12.3
40°	6.2
42.5°	4.1
45°	2.1
47.5°	2.1
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P1313450

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)