

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: P1306929

Luminaire Tested: LDSQA3D09R109024DE010 3LSQPHRL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306929
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: LDSQA3D09R109024DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R10 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 656.0 lumens
Efficiency: N/A
Efficacy: 52.5 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: P1306929

CATALOG NUMBER: LDSQA3D09R109024DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1306929

CATALOG NUMBER: LDSQA3D09R109024DE010 3LSQPHRL1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2332825
5°	1205150
10°	236839
15°	74564
20°	32568
25°	14404
30°	7756
35°	4100
40°	1461
45°	536
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: 561 cd/sqm

TEST NUMBER: P1306929

CATALOG NUMBER: LDSQA3D09R109024DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.9	71.5
10°-20°	133.3	20.3
20°-30°	38.9	5.9
30°-40°	12.7	1.9
40°-50°	2.3	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°	641.0	97.7
0°-40°	653.8	99.7
0°-60°	656.0	100.0
0°-90°	656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	656.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13545	
5°	6971	469
15°	418	133
25°	76	39
35°	20	13
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1306929

CATALOG NUMBER: LDSQA3D09R109024DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	13545.4
1°	13155.3
2°	12134.7
3°	10533.4
4°	8782.5
5°	6971.0
6°	5256.9
7°	3807.3
8°	2678.3
9°	1883.0
10°	1354.3
11°	1003.3
12°	771.4
13°	619.7
14°	504.9
15°	418.2
17.5°	277.4
20°	177.7
22.5°	112.7
25°	75.8
27.5°	54.2
30°	39.0
32.5°	28.2
35°	19.5
37.5°	13.0
40°	6.5
42.5°	4.3
45°	2.2
47.5°	2.2
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: P1306929

CATALOG NUMBER: LDSQA3D09R109024DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (continued):



(END OF REPORT)