

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: P1308851

Luminaire Tested: LDSQA3D05R109030DE010 3LSQPHRL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308851
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: LDSQA3D05R109030DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R10 optic, 3000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 557.0 lumens
Efficiency: N/A
Efficacy: 70.5 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): 7.9
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: P1308851

CATALOG NUMBER: LDSQA3D05R109030DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1308851

CATALOG NUMBER: LDSQA3D05R109030DE010 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
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°	1980767
5°	1023262
10°	201094
15°	63314
20°	27656
25°	12238
30°	6582
35°	3490
40°	1237
45°	438
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: 459 cd/sqm

TEST NUMBER: P1308851

CATALOG NUMBER: LDSQA3D05R109030DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.2	71.5
10°-20°	113.2	20.3
20°-30°	33.0	5.9
30°-40°	10.8	1.9
40°-50°	1.9	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°	544.3	97.7
0°-40°	555.1	99.7
0°-60°	557.0	100.0
0°-90°	557.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	557.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11501	
5°	5919	398
15°	355	113
25°	64	33
35°	17	11
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1308851

CATALOG NUMBER: LDSQA3D05R109030DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	11501.2
1°	11170.0
2°	10303.4
3°	8943.7
4°	7457.1
5°	5918.9
6°	4463.6
7°	3232.7
8°	2274.1
9°	1598.9
10°	1149.9
11°	851.9
12°	655.0
13°	526.2
14°	428.7
15°	355.1
17.5°	235.5
20°	150.9
22.5°	95.7
25°	64.4
27.5°	46.0
30°	33.1
32.5°	23.9
35°	16.6
37.5°	11.0
40°	5.5
42.5°	3.7
45°	1.8
47.5°	1.8
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: P1308851

CATALOG NUMBER: LDSQA3D05R109030DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)