

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: P1309980

Luminaire Tested: LDSQA3D05R129035DE010 3LSQPHRL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309980
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R129035DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R12 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 648.0 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.6
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	116	114	113	111	114	112	111	109	108	107	106		104	104	103		101	101	100	98
2	113	110	108	106	111	108	106	104	105	104	102		103	101	100		100	99	98	97
3	110	107	104	102	109	105	103	101	103	101	99		101	99	98		99	98	96	95
4	108	104	101	98	107	103	100	98	101	99	97		99	97	96		98	96	95	94
5	106	102	98	96	105	101	98	96	99	97	95		98	96	94		97	95	93	92
6	104	99	96	94	103	99	96	94	98	95	93		96	94	93		95	93	92	91
7	102	98	94	92	101	97	94	92	96	93	92		95	93	91		94	92	91	90
8	101	96	93	91	100	95	93	90	95	92	90		94	92	90		93	91	90	89
9	99	94	91	89	98	94	91	89	93	91	89		93	90	89		92	90	88	88
10	98	93	90	88	97	93	90	88	92	90	88		91	89	88		91	89	87	87

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1644141
5°	1062333
10°	299743
15°	84745
20°	35427
25°	15696
30°	8014
35°	4226
40°	1821
45°	487
50°	536
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 536 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.0	66.8
10°-20°	157.1	24.2
20°-30°	42.1	6.5
30°-40°	13.2	2.0
40°-50°	2.5	0.4
50°-60°	0.2	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°	632.1	97.5
0°-40°	645.3	99.6
0°-60°	648.0	100.0
0°-90°	648.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	648.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9547	
5°	6145	433
15°	475	157
25°	83	42
35°	20	13
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°	9546.6
1°	9385.5
2°	8932.3
3°	8156.9
4°	7194.2
5°	6144.9
6°	5051.2
7°	4072.4
8°	3133.9
9°	2332.3
10°	1714.0
11°	1262.8
12°	950.6
13°	737.1
14°	584.1
15°	475.3
17.5°	302.1
20°	193.3
22.5°	124.9
25°	82.6
27.5°	56.4
30°	40.3
32.5°	28.2
35°	20.1
37.5°	14.1
40°	8.1
42.5°	4.0
45°	2.0
47.5°	2.0
50°	2.0
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)