

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: P1317285

Luminaire Tested: LDSQA3D09R159827DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R159827DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

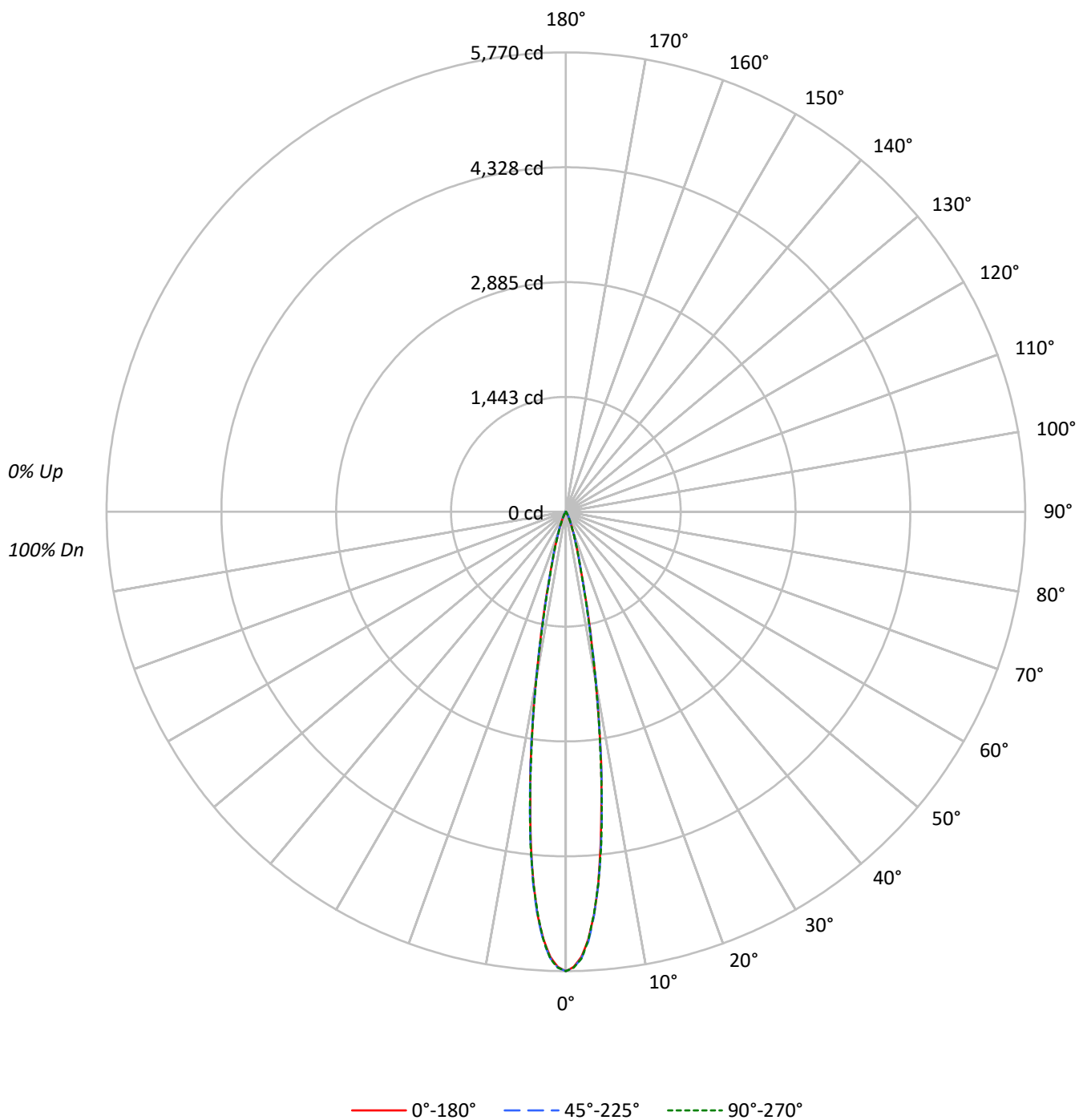
Lumens per Lamp: N/A
Luminaire Lumens: 644.0 lumens
Efficiency: N/A
Efficacy: 58.5 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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
RW	70	50	30	10	70	50	30	10	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	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	87	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	993759	993759	993759
5°	809115	811743	810170
10°	377425	380817	376008
15°	118515	119513	118800
20°	46955	48825	45471
25°	18965	22936	18300
30°	7597	10440	7199
35°	2250	4604	2144
40°	697	1709	562
45°	122	365	122
50°	0	134	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 365 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.3	56.1
10°-20°	216.1	33.6
20°-30°	54.5	8.5
30°-40°	11.1	1.7
40°-50°	1.0	0.2
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°	631.8	98.1
0°-40°	643.0	99.8
0°-60°	644.0	100.0
0°-90°	644.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	644.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5770	5770	5770	5770	5770	
5°	4680	4672	4695	4684	4686	360
15°	665	670	670	661	666	216
25°	100	109	121	107	96	51
35°	11	14	22	14	10	9
45°	0	1	2	1	0	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5770.2	5770.2	5770.2	5770.2	5770.2
1°	5718.3	5737.6	5727.4	5735.6	5726.4
2°	5594.5	5620.5	5612.3	5609.8	5616.9
3°	5376.5	5406.5	5405.5	5397.9	5385.6
4°	5079.0	5066.8	5085.6	5083.6	5062.7
5°	4680.2	4671.5	4695.4	4683.7	4686.3
6°	4192.2	4229.9	4221.7	4222.7	4232.4
7°	3668.0	3688.4	3705.7	3720.0	3700.1
8°	3186.7	3181.6	3183.1	3199.4	3144.4
9°	2647.7	2679.3	2658.9	2626.3	2647.2
10°	2158.2	2177.6	2177.6	2149.1	2150.1
11°	1720.7	1736.5	1725.3	1732.4	1687.6
12°	1387.0	1347.8	1338.6	1345.8	1345.3
13°	1059.0	1061.5	1059.0	1058.5	1053.4
14°	830.3	843.5	837.9	824.2	818.1
15°	664.7	670.3	670.3	660.7	666.3
17.5°	399.4	406.0	407.5	400.9	400.9
20°	256.2	259.3	266.4	256.7	248.1
22.5°	157.9	164.5	176.8	162.5	155.4
25°	99.8	109.0	120.7	107.0	96.3
27.5°	62.7	70.3	80.5	67.2	60.6
30°	38.2	43.3	52.5	42.3	36.2
32.5°	21.4	25.5	33.1	24.5	20.4
35°	10.7	14.3	21.9	13.8	10.2
37.5°	6.1	7.6	13.8	6.6	5.6
40°	3.1	4.1	7.6	4.1	2.5
42.5°	1.0	2.0	3.1	2.0	1.0
45°	0.5	1.0	1.5	1.0	0.5
47.5°	0.0	0.0	0.5	0.0	0.0
50°	0.0	0.0	0.5	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)