

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: P1306939

Luminaire Tested: LDSQA3D09R159024DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306939
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: LDSQA3D09R159024DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

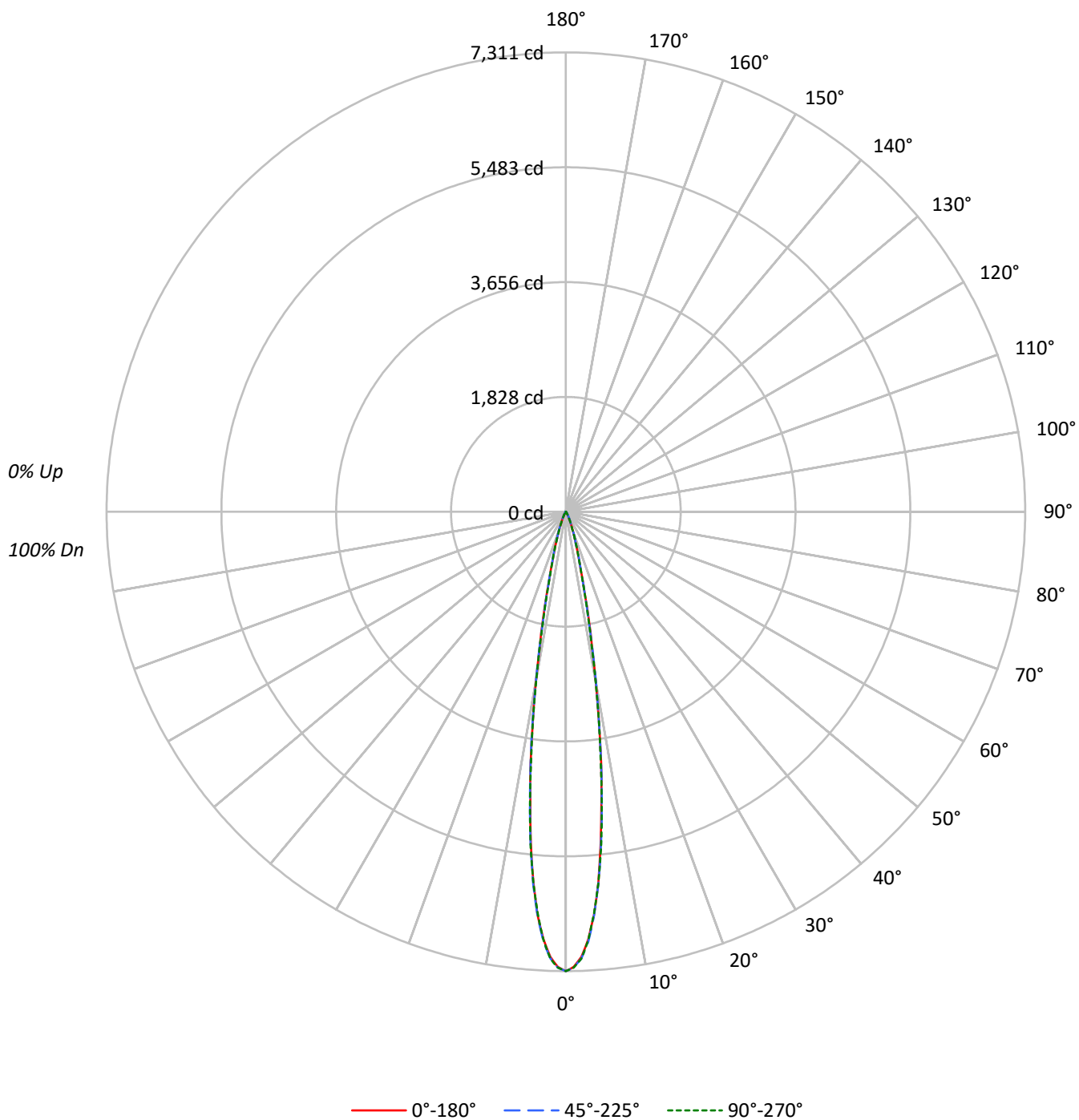
Lumens per Lamp: N/A
Luminaire Lumens: 816.0 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	97	94	92	102	97	94	91	96	93	91		94	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	88		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		90
9	97	91	88	86	96	91	88	86	90	88	86		90	87	85		89
10	95	90	87	84	95	90	86	84	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1259171	1259171	1259171
5°	1025199	1028553	1026547
10°	478225	482527	476424
15°	150180	151446	150519
20°	59491	61874	57603
25°	24038	29074	23183
30°	9625	13225	9108
35°	2859	5845	2712
40°	877	2181	719
45°	146	463	146
50°	0	161	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: 463 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.8	56.1
10°-20°	273.8	33.6
20°-30°	69.0	8.5
30°-40°	14.1	1.7
40°-50°	1.3	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°	800.6	98.1
0°-40°	814.7	99.8
0°-60°	816.0	100.0
0°-90°	816.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	816.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7311	7311	7311	7311	7311	
5°	5930	5919	5950	5935	5938	456
15°	842	849	849	837	844	274
25°	126	138	153	136	122	65
35°	14	18	28	17	13	11
45°	1	1	2	1	1	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°	7311.3	7311.3	7311.3	7311.3	7311.3
1°	7245.5	7270.0	7257.1	7267.4	7255.8
2°	7088.7	7121.6	7111.3	7108.0	7117.1
3°	6812.4	6850.5	6849.2	6839.5	6824.0
4°	6435.5	6420.0	6443.9	6441.3	6414.8
5°	5930.1	5919.2	5949.5	5934.6	5937.9
6°	5311.8	5359.6	5349.3	5350.5	5362.8
7°	4647.7	4673.5	4695.4	4713.5	4688.3
8°	4037.8	4031.3	4033.2	4053.9	3984.2
9°	3354.9	3394.9	3369.1	3327.8	3354.3
10°	2734.6	2759.2	2759.2	2723.0	2724.3
11°	2180.2	2200.2	2186.0	2195.1	2138.3
12°	1757.5	1707.8	1696.2	1705.2	1704.6
13°	1341.8	1345.1	1341.8	1341.2	1334.7
14°	1052.0	1068.8	1061.7	1044.3	1036.5
15°	842.3	849.4	849.4	837.1	844.2
17.5°	506.0	514.4	516.3	507.9	507.9
20°	324.6	328.5	337.6	325.3	314.3
22.5°	200.1	208.5	224.0	205.9	196.9
25°	126.5	138.1	153.0	135.5	122.0
27.5°	79.4	89.1	102.0	85.2	76.8
30°	48.4	54.9	66.5	53.6	45.8
32.5°	27.1	32.3	42.0	31.0	25.8
35°	13.6	18.1	27.8	17.4	12.9
37.5°	7.7	9.7	17.4	8.4	7.1
40°	3.9	5.2	9.7	5.2	3.2
42.5°	1.3	2.6	3.9	2.6	1.3
45°	0.6	1.3	1.9	1.3	0.6
47.5°	0.0	0.0	0.6	0.0	0.0
50°	0.0	0.0	0.6	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)