

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: P1312380

Luminaire Tested: LDSQA3D09R259050DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312380
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R259050DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

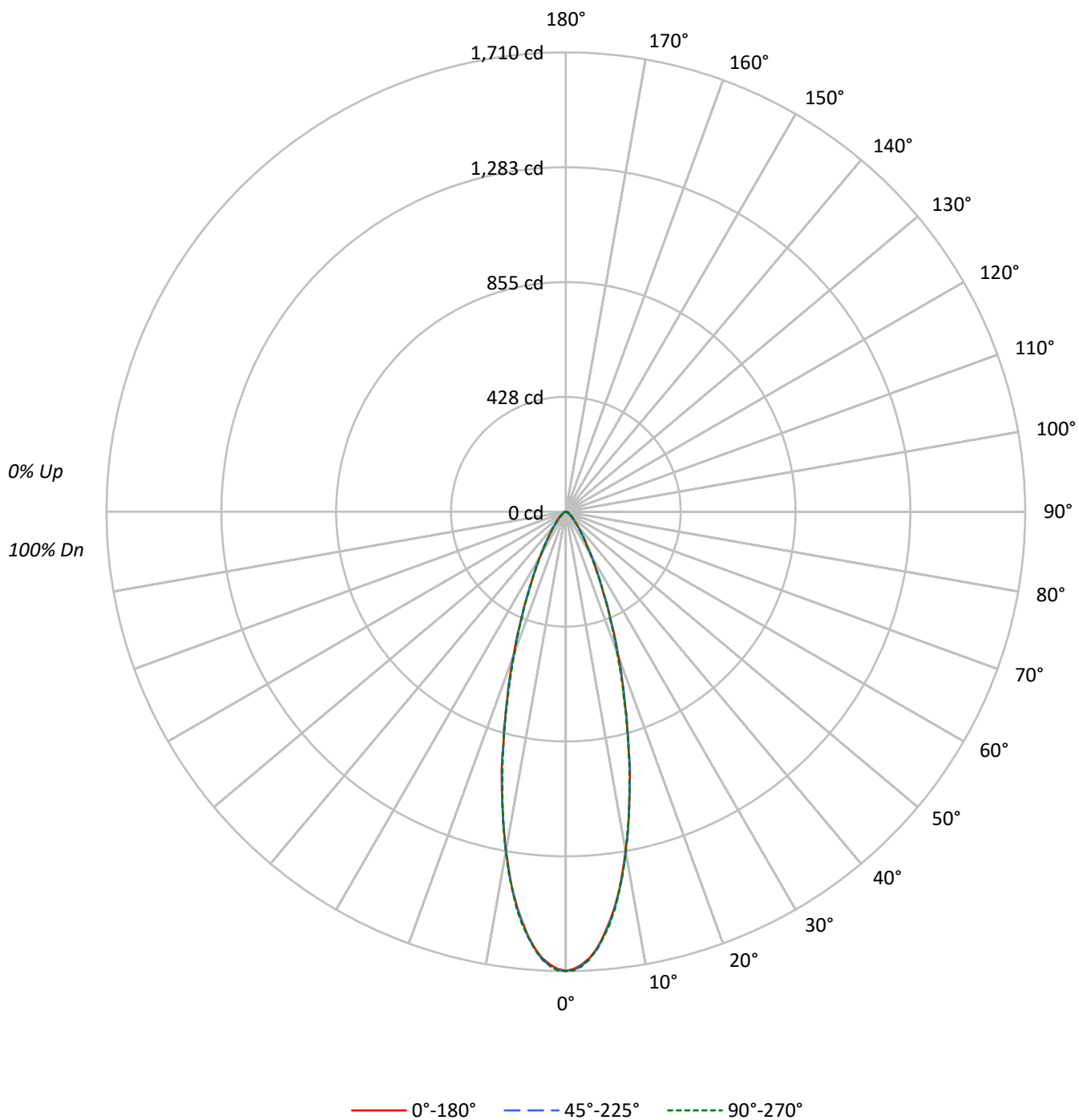
Lumens per Lamp: N/A
Luminaire Lumens: 685.0 lumens
Efficiency: N/A
Efficacy: 61.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	294432	294432	294432
5°	274811	275087	275226
10°	224160	224860	224860
15°	160112	160967	160112
20°	104779	103752	102286
25°	62291	62595	62291
30°	37526	37526	37367
35°	22854	23022	22854
40°	14568	14748	14748
45°	10132	10132	10132
50°	7288	7502	7502
55°	5765	5765	6005
60°	4684	4960	4960
65°	4238	4238	4238
70°	3626	3626	4028
75°	3194	3194	3726
80°	3174	3174	3174
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10132 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.1	20.7
10°-20°	247.6	36.1
20°-30°	155.7	22.7
30°-40°	71.2	10.4
40°-50°	33.3	4.9
50°-60°	17.9	2.6
60°-70°	10.6	1.5
70°-80°	5.5	0.8
80°-90°	1.2	0.2
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°	545.4	79.6
0°-40°	616.6	90.0
0°-60°	667.8	97.5
0°-90°	685.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	685.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1710	1710	1710	1710	1710	
5°	1590	1593	1591	1593	1592	142
15°	898	904	903	904	898	248
25°	328	332	329	329	328	156
35°	109	109	110	110	109	71
45°	42	42	42	42	42	33
55°	19	19	19	20	20	18
65°	10	10	10	10	10	10
75°	5	5	5	6	6	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1709.6	1709.6	1709.6	1709.6	1709.6
1°	1702.4	1704.0	1705.6	1708.0	1707.2
2°	1686.4	1689.6	1690.4	1693.6	1692.8
3°	1664.8	1664.0	1670.4	1670.4	1666.4
4°	1631.2	1632.8	1634.4	1636.0	1636.8
5°	1589.6	1592.8	1591.2	1592.8	1592.0
6°	1538.5	1543.3	1542.5	1544.1	1546.5
7°	1484.1	1487.3	1487.3	1485.7	1492.1
8°	1424.9	1422.5	1426.5	1424.9	1424.1
9°	1354.5	1359.3	1360.1	1356.1	1357.7
10°	1281.8	1285.0	1285.8	1288.2	1285.8
11°	1209.8	1209.8	1211.4	1215.4	1209.0
12°	1131.5	1138.6	1131.5	1134.7	1131.5
13°	1057.1	1058.7	1057.1	1056.3	1050.7
14°	986.7	981.1	982.7	976.3	977.1
15°	898.0	903.6	902.8	904.4	898.0
17.5°	722.1	725.2	724.4	722.9	714.9
20°	571.7	571.7	566.1	562.9	558.1
22.5°	436.6	435.0	432.6	430.2	431.8
25°	327.8	331.8	329.4	329.4	327.8
27.5°	247.9	252.7	248.7	246.3	247.9
30°	188.7	190.3	188.7	187.9	187.9
32.5°	142.3	143.1	142.3	142.3	142.3
35°	108.7	108.7	109.5	109.5	108.7
37.5°	84.0	84.0	84.0	84.0	84.8
40°	64.8	65.6	65.6	65.6	65.6
42.5°	51.2	52.0	52.0	52.0	52.0
45°	41.6	41.6	41.6	41.6	41.6
47.5°	33.6	33.6	33.6	33.6	34.4
50°	27.2	28.0	28.0	28.0	28.0
52.5°	23.2	23.2	23.2	23.2	23.2
55°	19.2	19.2	19.2	20.0	20.0
57.5°	16.0	16.0	16.8	16.8	16.8
60°	13.6	14.4	14.4	14.4	14.4
62.5°	12.0	12.0	12.8	12.8	12.8
65°	10.4	10.4	10.4	10.4	10.4
67.5°	8.8	8.8	8.8	8.8	9.6
70°	7.2	7.2	7.2	8.0	8.0
72.5°	6.4	6.4	6.4	6.4	6.4
75°	4.8	4.8	4.8	5.6	5.6
77.5°	4.0	4.0	4.0	4.0	4.0
80°	3.2	3.2	3.2	3.2	3.2
82.5°	1.6	1.6	2.4	2.4	2.4
85°	0.8	0.8	0.8	0.8	0.8
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)