

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: P1311285

Luminaire Tested: LDSQA3D09R209040DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209040DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

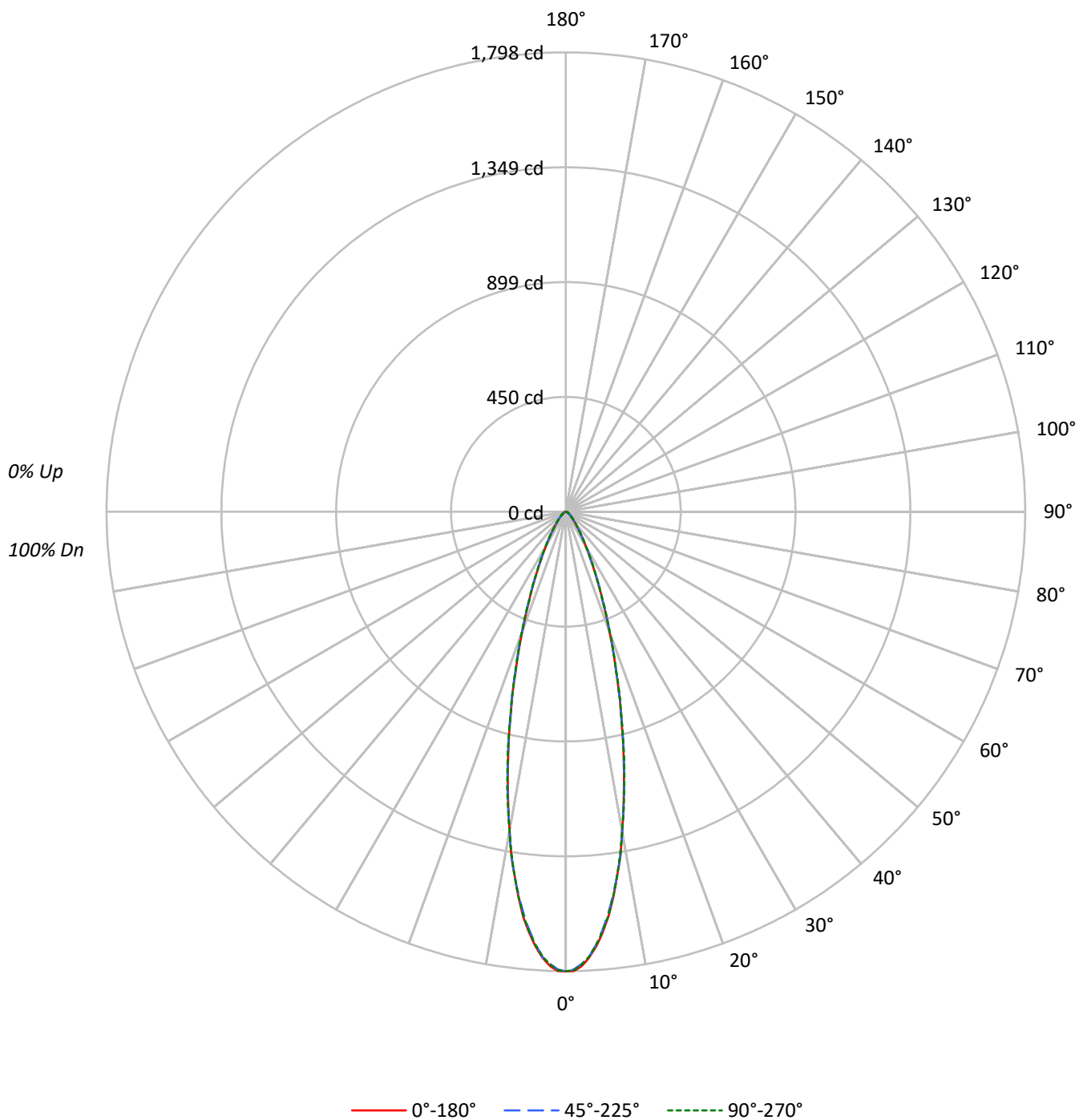
Lumens per Lamp: N/A
Luminaire Lumens: 632.0 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	309725	309725	309725
5°	285737	284112	285063
10°	221730	222009	222009
15°	149877	150573	150573
20°	91015	92169	92609
25°	53397	54139	53987
30°	31142	31779	31938
35°	19027	19532	19532
40°	12388	12567	12747
45°	8622	8817	9012
50°	6323	6538	6538
55°	4954	5195	5195
60°	4340	4340	4616
65°	3831	3831	4157
70°	3575	3575	3575
75°	3127	3127	3127
80°	2380	2380	3075
85°	1581	1581	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 9012 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.0	22.9
10°-20°	232.2	36.7
20°-30°	134.5	21.3
30°-40°	60.3	9.5
40°-50°	28.6	4.5
50°-60°	15.7	2.5
60°-70°	9.5	1.5
70°-80°	5.1	0.8
80°-90°	1.1	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°	511.7	81.0
0°-40°	572.0	90.5
0°-60°	616.3	97.5
0°-90°	632.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	632.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1798	1798	1798	1798	1798	
5°	1653	1647	1643	1646	1649	145
15°	841	841	844	841	844	232
25°	281	281	285	282	284	133
35°	90	91	93	94	93	59
45°	35	35	36	36	37	28
55°	16	16	17	17	17	15
65°	9	9	9	9	10	9
75°	5	5	5	5	5	5
85°	1	1	1	1	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1798.4	1798.4	1798.4	1798.4	1798.4
1°	1797.6	1792.9	1791.3	1789.7	1794.5
2°	1779.5	1774.0	1770.9	1772.4	1773.2
3°	1747.2	1744.1	1744.1	1741.7	1743.3
4°	1705.5	1699.2	1699.2	1700.0	1700.0
5°	1652.8	1647.3	1643.4	1646.5	1648.9
6°	1593.8	1586.7	1583.5	1584.3	1589.8
7°	1521.4	1511.9	1513.5	1517.4	1517.4
8°	1439.5	1438.7	1440.3	1438.7	1440.3
9°	1364.0	1352.9	1362.4	1354.5	1358.4
10°	1267.9	1267.1	1269.5	1271.9	1269.5
12.5°	1049.1	1053.1	1054.6	1051.5	1058.6
15°	840.6	840.6	844.5	840.6	844.5
17.5°	654.0	653.2	656.4	653.2	658.0
20°	496.6	502.1	502.9	502.9	505.3
22.5°	374.6	374.6	377.8	378.6	377.0
25°	281.0	281.0	284.9	282.5	284.1
27.5°	207.8	209.4	212.5	214.1	214.1
30°	156.6	157.4	159.8	160.6	160.6
32.5°	118.1	119.6	121.2	122.0	122.8
35°	90.5	91.3	92.9	93.7	92.9
37.5°	69.3	70.0	71.6	72.4	72.4
40°	55.1	55.1	55.9	56.7	56.7
42.5°	43.3	44.1	44.1	44.9	44.9
45°	35.4	35.4	36.2	36.2	37.0
47.5°	28.3	28.3	29.1	29.9	29.9
50°	23.6	23.6	24.4	24.4	24.4
52.5°	19.7	19.7	20.5	20.5	20.5
55°	16.5	16.5	17.3	17.3	17.3
57.5°	14.2	14.2	15.0	15.0	15.0
60°	12.6	12.6	12.6	12.6	13.4
62.5°	11.0	11.0	11.0	11.0	11.0
65°	9.4	9.4	9.4	9.4	10.2
67.5°	7.9	7.9	7.9	7.9	8.7
70°	7.1	7.1	7.1	7.1	7.1
72.5°	5.5	5.5	5.5	6.3	6.3
75°	4.7	4.7	4.7	4.7	4.7
77.5°	3.9	3.9	3.9	3.9	3.9
80°	2.4	2.4	2.4	3.1	3.1
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	1.6
87.5°	0.0	0.0	0.0	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)