

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: P1311271

Luminaire Tested: LDSQA3D09R159040DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R159040DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

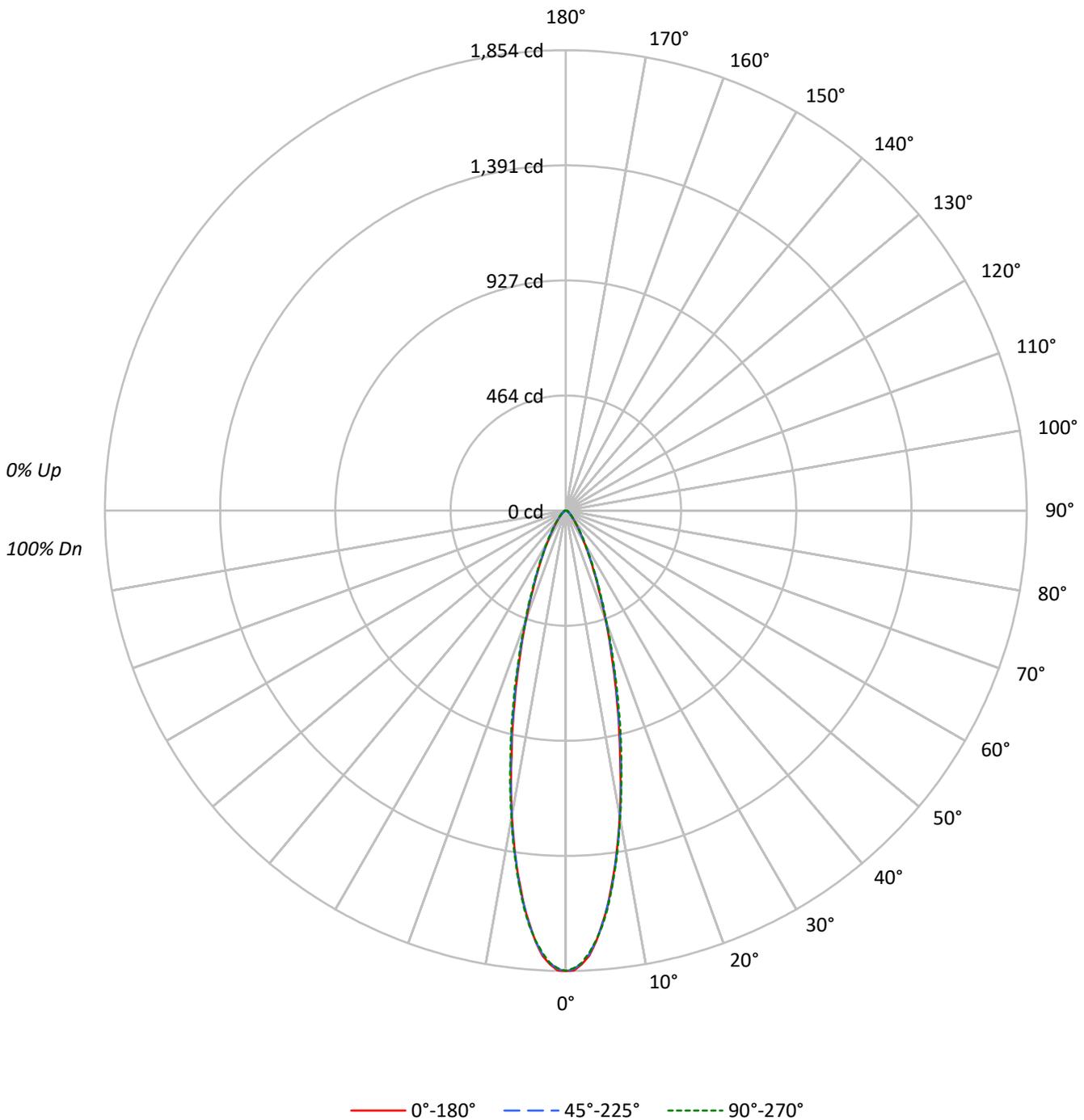
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 613.0 lumens
Efficiency: N/A
Efficacy: 55.2 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
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			0	
RW	70	50	30	10	70	50	30	10	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	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	319249	319249	319249
5°	289160	289713	290111
10°	218320	218862	219963
15°	141604	143155	145955
20°	85260	86268	87422
25°	49806	50851	51611
30°	29273	30208	30685
35°	18039	18691	19027
40°	11848	12208	12388
45°	8232	8427	8622
50°	6109	6323	6538
55°	4954	5195	5195
60°	4340	4340	4340
65°	3831	3831	3831
70°	3172	3575	3575
75°	3127	3127	3127
80°	2380	3075	3075
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 8622 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.0	23.8
10°-20°	223.3	36.4
20°-30°	126.9	20.7
30°-40°	57.9	9.4
40°-50°	27.8	4.5
50°-60°	15.5	2.5
60°-70°	9.5	1.5
70°-80°	5.0	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°	496.2	80.9
0°-40°	554.1	90.4
0°-60°	597.4	97.5
0°-90°	613.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	613.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1854	1854	1854	1854	1854	
5°	1673	1672	1676	1676	1678	146
15°	794	798	803	814	819	220
25°	262	262	268	270	272	124
35°	86	87	89	90	90	56
45°	34	34	35	35	35	27
55°	16	16	17	17	17	15
65°	9	9	9	9	9	9
75°	5	5	5	5	5	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°	1853.7	1853.7	1853.7	1853.7	1853.7
1°	1852.1	1847.4	1845.8	1845.0	1843.4
2°	1828.5	1824.5	1823.8	1823.8	1823.0
3°	1795.4	1788.3	1789.1	1786.8	1784.4
4°	1739.5	1736.4	1738.0	1739.5	1736.4
5°	1672.6	1671.8	1675.8	1675.8	1678.1
6°	1603.4	1602.6	1600.2	1606.5	1609.7
7°	1515.2	1519.9	1526.2	1523.1	1525.4
8°	1434.9	1429.4	1431.8	1439.6	1440.4
9°	1340.5	1336.5	1346.8	1349.9	1350.7
10°	1248.4	1252.3	1251.5	1262.5	1257.8
12.5°	1008.3	1014.6	1021.7	1026.4	1031.1
15°	794.2	798.1	802.9	813.9	818.6
17.5°	610.8	615.5	620.3	629.7	631.3
20°	465.2	467.6	470.7	479.4	477.0
22.5°	347.9	351.8	355.0	358.9	361.3
25°	262.1	262.1	267.6	270.0	271.6
27.5°	195.2	196.8	200.7	203.9	203.1
30°	147.2	149.6	151.9	153.5	154.3
32.5°	113.3	113.3	115.7	118.1	118.9
35°	85.8	87.4	88.9	90.5	90.5
37.5°	66.9	67.7	69.3	70.1	70.1
40°	52.7	52.7	54.3	55.1	55.1
42.5°	41.7	42.5	43.3	44.1	44.1
45°	33.8	33.8	34.6	35.4	35.4
47.5°	27.5	27.5	28.3	29.1	29.1
50°	22.8	23.6	23.6	24.4	24.4
52.5°	19.7	19.7	19.7	20.5	20.5
55°	16.5	16.5	17.3	17.3	17.3
57.5°	14.2	14.2	14.2	15.0	15.0
60°	12.6	12.6	12.6	12.6	12.6
62.5°	11.0	11.0	11.0	11.0	11.0
65°	9.4	9.4	9.4	9.4	9.4
67.5°	7.9	7.9	7.9	8.7	8.7
70°	6.3	7.1	7.1	7.1	7.1
72.5°	5.5	5.5	5.5	5.5	5.5
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	3.1	3.1	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	0.8
87.5°	0.0	0.0	0.0	0.0	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)