

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: P1316383

Luminaire Tested: LDSQA3D09R159740DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316383
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: LDSQA3D09R159740DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

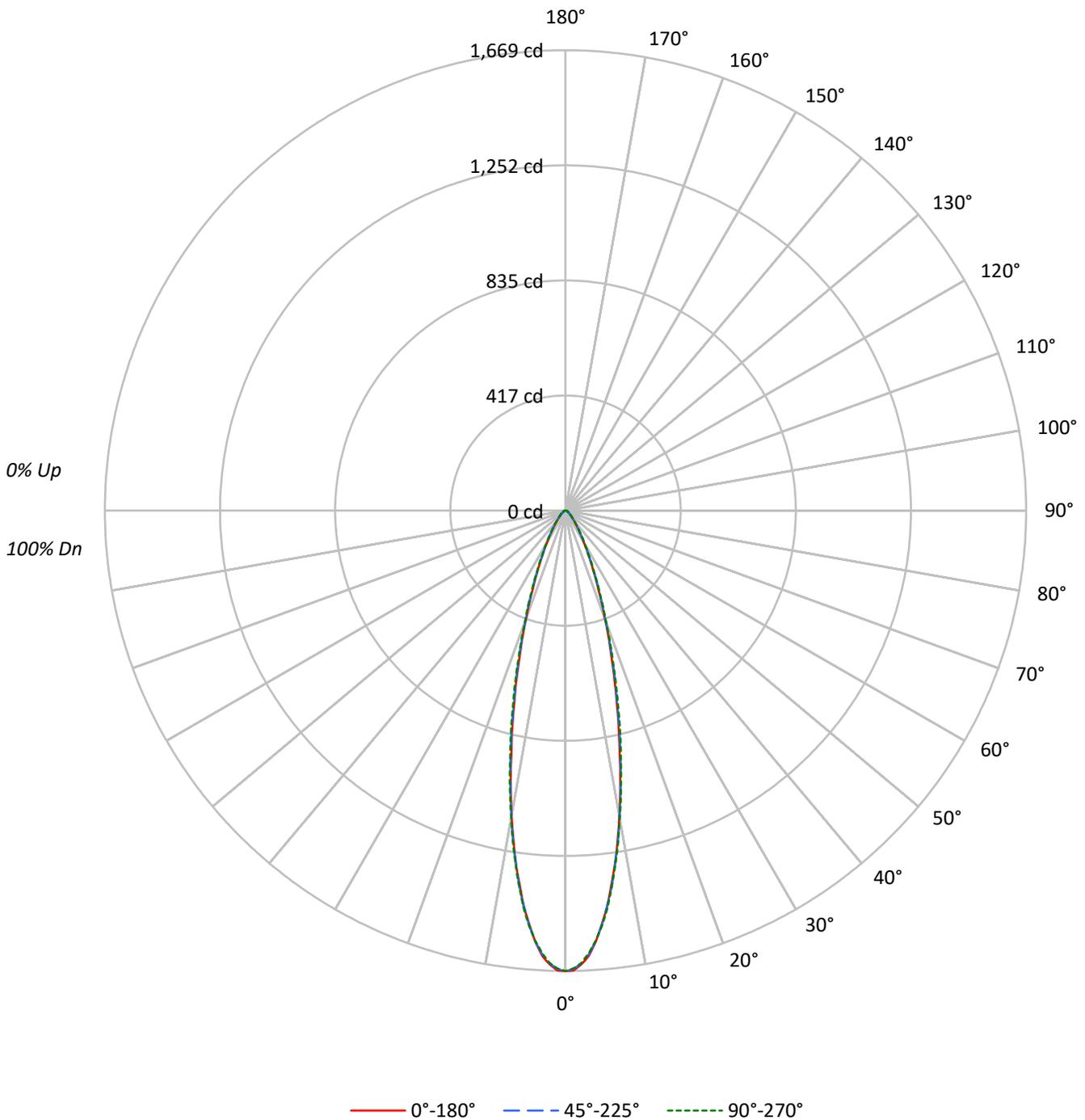
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 552.0 lumens
Efficiency: N/A
Efficacy: 49.7 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 (A_{in}): 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

TEST NUMBER: P1316383
CATALOG NUMBER: LDSQA3D09R159740DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	287474	287474	287474
5°	260393	260877	261257
10°	196582	197089	198086
15°	127519	128909	131423
20°	76774	77690	78717
25°	44846	45796	46462
30°	26350	27205	27622
35°	16252	16841	17135
40°	10679	10994	11151
45°	7429	7599	7770
50°	5519	5707	5894
55°	4474	4684	4684
60°	3892	3892	3892
65°	3464	3464	3464
70°	2870	3223	3223
75°	2861	2861	2861
80°	2083	2777	2777
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 7770 cd/sqm



TEST NUMBER: P1316383

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.5	23.8
10°-20°	201.0	36.4
20°-30°	114.3	20.7
30°-40°	52.1	9.4
40°-50°	25.0	4.5
50°-60°	14.0	2.5
60°-70°	8.5	1.5
70°-80°	4.6	0.8
80°-90°	1.0	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°	446.8	80.9
0°-40°	498.9	90.4
0°-60°	537.9	97.5
0°-90°	552.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	552.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1669	1669	1669	1669	1669	
5°	1506	1506	1509	1509	1511	131
15°	715	719	723	733	737	198
25°	236	236	241	243	244	112
35°	77	79	80	82	82	51
45°	30	30	31	32	32	24
55°	15	15	16	16	16	14
65°	8	8	8	8	8	8
75°	4	4	4	4	4	4
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°	1669.2	1669.2	1669.2	1669.2	1669.2
1°	1667.8	1663.5	1662.1	1661.4	1660.0
2°	1646.5	1643.0	1642.3	1642.3	1641.6
3°	1616.8	1610.4	1611.1	1609.0	1606.8
4°	1566.4	1563.6	1565.0	1566.4	1563.6
5°	1506.2	1505.5	1509.0	1509.0	1511.2
6°	1443.8	1443.1	1441.0	1446.7	1449.5
7°	1364.4	1368.7	1374.4	1371.5	1373.6
8°	1292.1	1287.2	1289.3	1296.4	1297.1
9°	1207.1	1203.5	1212.7	1215.6	1216.3
10°	1124.1	1127.7	1127.0	1136.9	1132.7
12.5°	908.0	913.6	920.0	924.3	928.5
15°	715.2	718.7	723.0	732.9	737.1
17.5°	550.0	554.3	558.5	567.0	568.5
20°	418.9	421.0	423.9	431.7	429.5
22.5°	313.3	316.8	319.7	323.2	325.3
25°	236.0	236.0	241.0	243.1	244.5
27.5°	175.8	177.2	180.7	183.6	182.9
30°	132.5	134.7	136.8	138.2	138.9
32.5°	102.1	102.1	104.2	106.3	107.0
35°	77.3	78.7	80.1	81.5	81.5
37.5°	60.2	61.0	62.4	63.1	63.1
40°	47.5	47.5	48.9	49.6	49.6
42.5°	37.6	38.3	39.0	39.7	39.7
45°	30.5	30.5	31.2	31.9	31.9
47.5°	24.8	24.8	25.5	26.2	26.2
50°	20.6	21.3	21.3	22.0	22.0
52.5°	17.7	17.7	17.7	18.4	18.4
55°	14.9	14.9	15.6	15.6	15.6
57.5°	12.8	12.8	12.8	13.5	13.5
60°	11.3	11.3	11.3	11.3	11.3
62.5°	9.9	9.9	9.9	9.9	9.9
65°	8.5	8.5	8.5	8.5	8.5
67.5°	7.1	7.1	7.1	7.8	7.8
70°	5.7	6.4	6.4	6.4	6.4
72.5°	5.0	5.0	5.0	5.0	5.0
75°	4.3	4.3	4.3	4.3	4.3
77.5°	3.5	3.5	3.5	3.5	3.5
80°	2.1	2.8	2.8	2.8	2.8
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)