

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: P1314533

Luminaire Tested: LDSQA3D09R509730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314533  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R509730DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

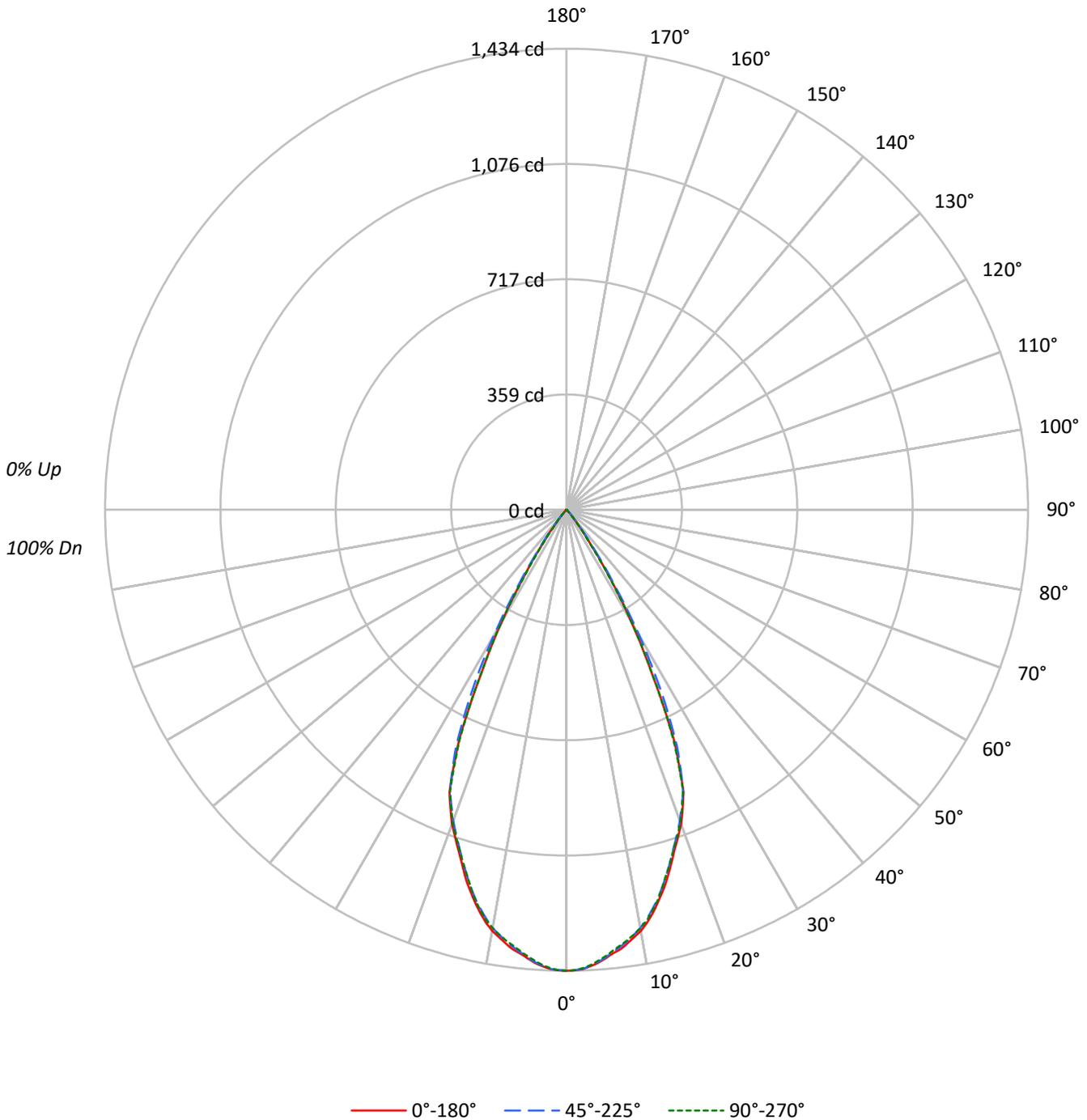
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 924.1 lumens  
Efficiency: N/A  
Efficacy: 83.3 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
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<sub>in</sub>): 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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	246933	246933	246933
5°	242085	241635	240961
10°	232625	231016	231121
15°	213548	211551	211319
20°	190771	188737	189690
25°	149931	154302	148696
30°	80222	89867	80481
35°	26197	30612	24683
40°	6497	8116	6183
45°	804	2874	804
50°	536	884	536
55°	601	601	601
60°	448	448	448
65°	530	530	530
70°	352	352	352
75°	466	466	466
80°	694	694	694
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2874 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.1	14.2
10°-20°	331.6	35.9
20°-30°	348.8	37.7
30°-40°	100.5	10.9
40°-50°	8.2	0.9
50°-60°	1.8	0.2
60°-70°	1.3	0.1
70°-80°	0.7	0.1
80°-90°	0.2	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°	811.4	87.8
0°-40°	911.9	98.7
0°-60°	921.9	99.8
0°-90°	924.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	924.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1434	1434	1434	1434	1434	
5°	1400	1400	1398	1399	1394	131
15°	1198	1190	1186	1186	1185	334
25°	789	809	812	803	782	342
35°	125	129	146	125	117	96
45°	3	7	12	7	3	6
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1433.8	1433.8	1433.8	1433.8	1433.8
1°	1433.1	1434.5	1431.8	1436.4	1432.5
2°	1429.9	1430.5	1429.2	1432.5	1427.2
3°	1422.0	1423.3	1420.7	1423.3	1418.7
4°	1412.8	1412.8	1410.2	1412.1	1406.2
5°	1400.3	1399.7	1397.7	1399.0	1393.8
6°	1387.2	1386.6	1383.3	1383.3	1379.4
7°	1377.4	1372.8	1370.2	1369.5	1365.6
8°	1361.6	1360.3	1355.1	1355.1	1352.5
9°	1345.9	1344.6	1338.7	1340.0	1338.0
10°	1330.2	1325.6	1321.0	1321.6	1321.6
11°	1309.2	1305.2	1298.7	1301.3	1302.6
12°	1284.2	1279.7	1273.8	1279.0	1278.3
13°	1256.7	1252.8	1248.2	1252.1	1250.8
14°	1227.8	1221.9	1218.0	1220.6	1219.3
15°	1197.7	1189.8	1186.5	1186.5	1185.2
17.5°	1113.1	1108.5	1105.2	1103.2	1107.8
20°	1040.9	1037.0	1029.8	1031.7	1035.0
22.5°	950.4	949.7	945.8	942.5	946.5
25°	789.0	808.7	812.0	802.8	782.5
27.5°	573.3	619.2	635.6	613.9	576.5
30°	403.4	425.0	451.9	409.3	404.7
32.5°	243.3	249.2	274.2	244.7	238.1
35°	124.6	129.2	145.6	124.6	117.4
37.5°	58.4	61.0	67.6	58.4	54.4
40°	28.9	32.1	36.1	30.2	27.5
42.5°	12.5	16.4	21.0	15.7	11.2
45°	3.3	6.6	11.8	6.6	3.3
47.5°	2.0	2.6	6.6	2.6	2.0
50°	2.0	2.0	3.3	2.0	2.0
52.5°	2.0	2.0	2.0	2.0	2.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0	2.0
60°	1.3	2.0	1.3	2.0	1.3
62.5°	1.3	1.3	1.3	1.3	1.3
65°	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.7	0.0	0.7	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)