

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: P1315505

Luminaire Tested: LDSQA3D09R509735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315505  
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: LDSQA3D09R509735DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

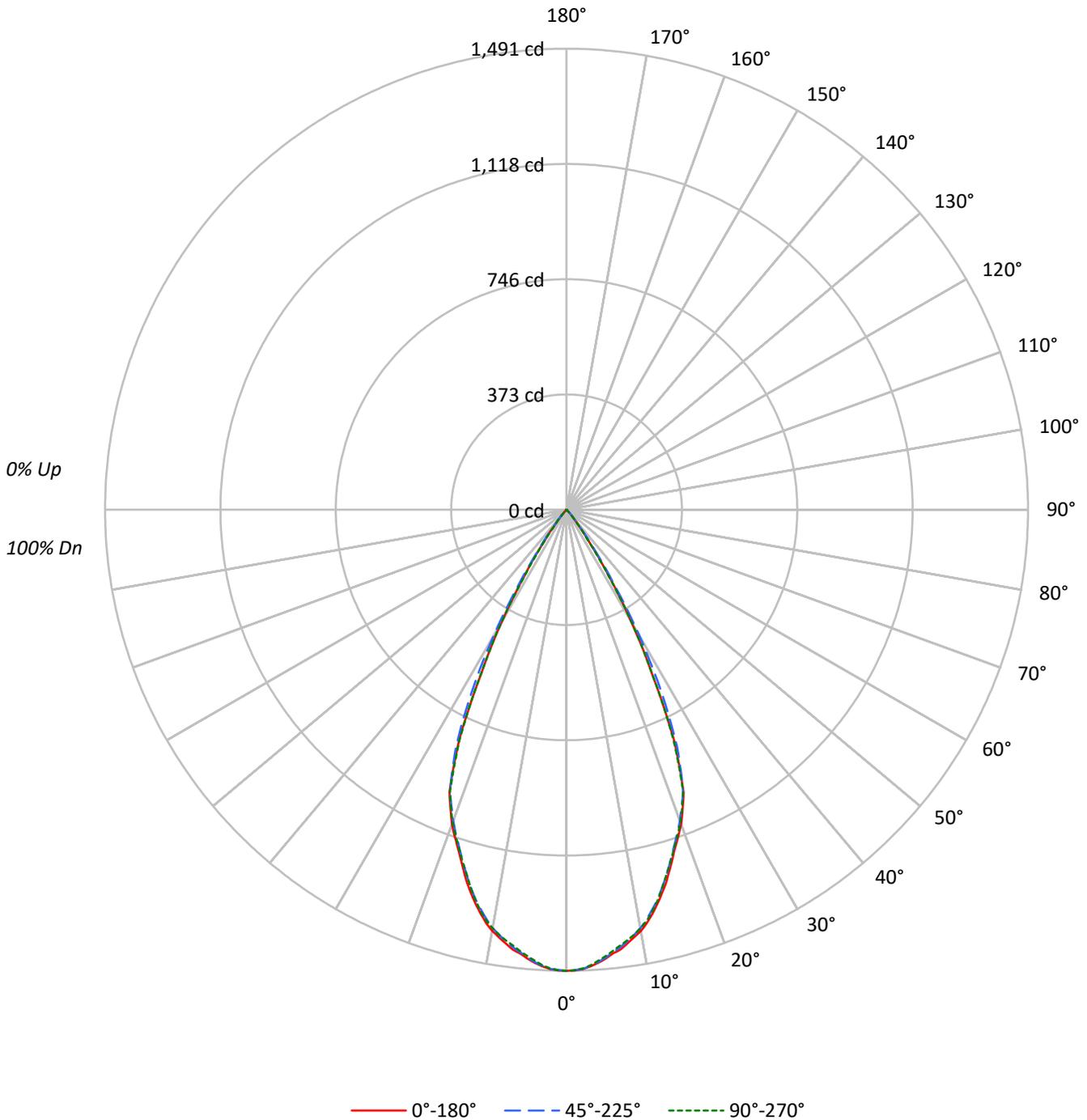
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 961.0 lumens  
Efficiency: N/A  
Efficacy: 86.6 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				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°	256818	256818	256818
5°	251783	251316	250608
10°	241928	240267	240389
15°	222088	220020	219788
20°	198414	196288	197296
25°	155936	160478	154644
30°	83424	93467	83703
35°	27248	31831	25671
40°	6745	8431	6452
45°	828	2996	828
50°	536	911	536
55°	601	601	601
60°	482	482	482
65°	571	571	571
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: 2996 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.4	14.2
10°-20°	344.9	35.9
20°-30°	362.7	37.7
30°-40°	104.5	10.9
40°-50°	8.5	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°	843.9	87.8
0°-40°	948.5	98.7
0°-60°	958.7	99.8
0°-90°	961.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	961.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1491	1491	1491	1491	1491	
5°	1456	1456	1454	1455	1450	137
15°	1246	1237	1234	1234	1233	347
25°	821	841	844	835	814	356
35°	130	134	151	130	122	100
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°	1491.2	1491.2	1491.2	1491.2	1491.2
1°	1490.5	1491.9	1489.2	1493.9	1489.8
2°	1487.1	1487.8	1486.4	1489.8	1484.4
3°	1478.9	1480.3	1477.6	1480.3	1475.5
4°	1469.4	1469.4	1466.7	1468.7	1462.6
5°	1456.4	1455.7	1453.7	1455.1	1449.6
6°	1442.8	1442.1	1438.7	1438.7	1434.6
7°	1432.5	1427.8	1425.0	1424.4	1420.3
8°	1416.2	1414.8	1409.3	1409.3	1406.6
9°	1399.8	1398.4	1392.3	1393.7	1391.6
10°	1383.4	1378.7	1373.9	1374.6	1374.6
11°	1361.6	1357.5	1350.7	1353.4	1354.8
12°	1335.7	1330.9	1324.8	1330.2	1329.5
13°	1307.0	1302.9	1298.2	1302.2	1300.9
14°	1277.0	1270.9	1266.8	1269.5	1268.1
15°	1245.6	1237.4	1234.0	1234.0	1232.7
17.5°	1157.6	1152.9	1149.4	1147.4	1152.2
20°	1082.6	1078.5	1071.0	1073.0	1076.5
22.5°	988.5	987.8	983.7	980.3	984.4
25°	820.6	841.1	844.5	835.0	813.8
27.5°	596.2	644.0	661.0	638.5	599.6
30°	419.5	442.0	470.0	425.7	420.9
32.5°	253.1	259.2	285.1	254.4	247.6
35°	129.6	134.4	151.4	129.6	122.1
37.5°	60.7	63.4	70.3	60.7	56.6
40°	30.0	33.4	37.5	31.4	28.7
42.5°	13.0	17.1	21.8	16.4	11.6
45°	3.4	6.8	12.3	6.8	3.4
47.5°	2.0	2.7	6.8	2.7	2.0
50°	2.0	2.0	3.4	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°	1.4	2.0	1.4	2.0	1.4
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
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)