

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: P1316477

Luminaire Tested: LDSQA3D09R509740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316477  
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: LDSQA3D09R509740DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

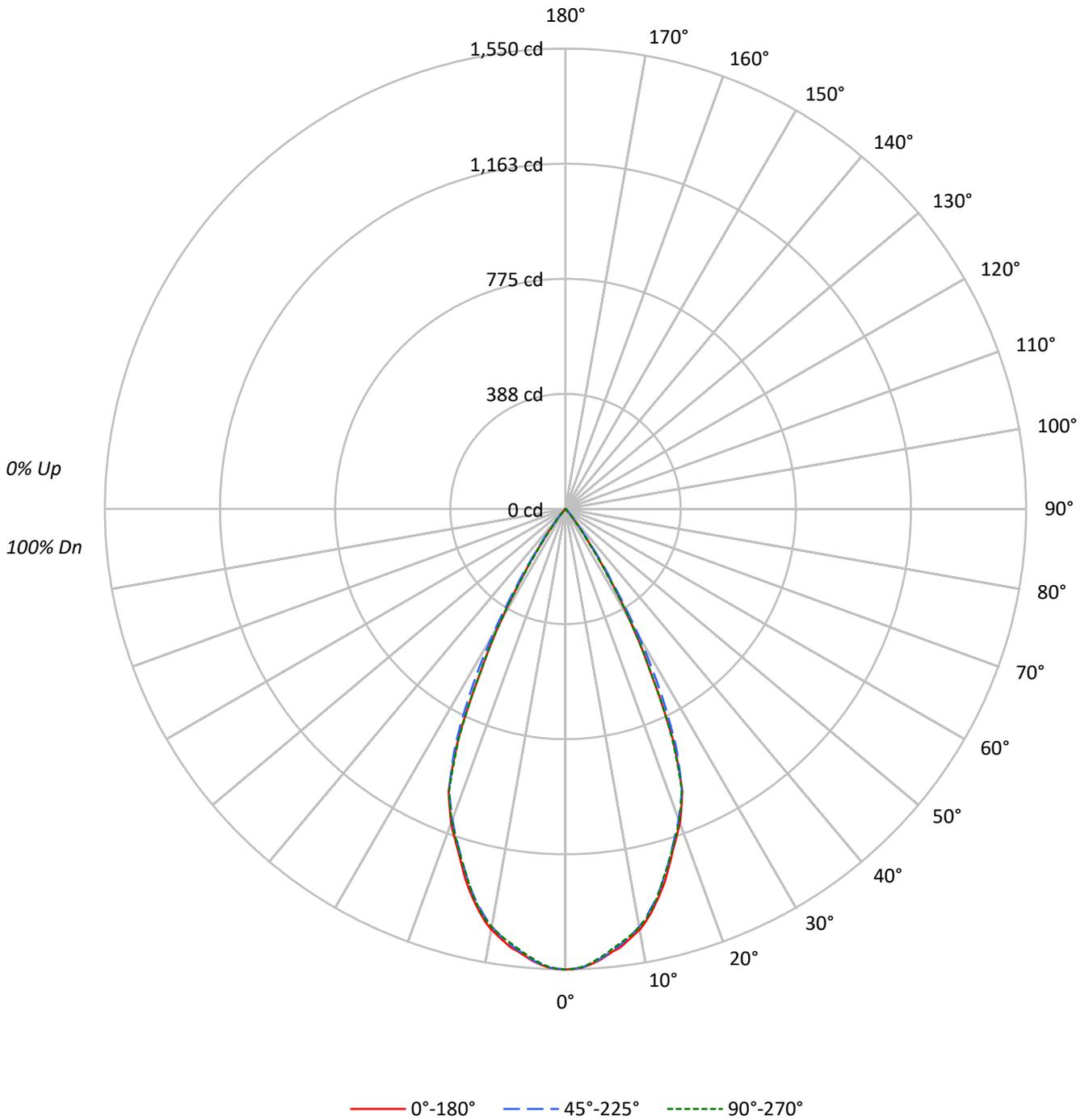
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 998.9 lumens  
Efficiency: N/A  
Efficacy: 90.0 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

TEST NUMBER: P1316477  
CATALOG NUMBER: LDSQA3D09R509740DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1316477

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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	80	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	71	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°	266980	266980	266980
5°	261741	261257	260514
10°	251494	249763	249885
15°	230878	228721	228471
20°	206258	204041	205085
25°	162112	166824	160763
30°	86725	97166	87004
35°	28320	33093	26680
40°	7014	8768	6700
45°	852	3118	852
50°	563	938	563
55°	631	631	631
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: 3118 cd/sqm



TEST NUMBER: P1316477

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.7	14.2
10°-20°	358.5	35.9
20°-30°	377.1	37.7
30°-40°	108.7	10.9
40°-50°	8.8	0.9
50°-60°	1.9	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°	877.3	87.8
0°-40°	986.0	98.7
0°-60°	996.7	99.8
0°-90°	998.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	998.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1550	1550	1550	1550	1550	
5°	1514	1513	1511	1513	1507	142
15°	1295	1286	1283	1283	1281	361
25°	853	874	878	868	846	370
35°	135	140	157	135	127	104
45°	4	7	13	7	4	7
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



TEST NUMBER: P1316477

CATALOG NUMBER: LDSQA3D09R509740DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1550.2	1550.2	1550.2	1550.2	1550.2
1°	1549.5	1550.9	1548.0	1553.0	1548.8
2°	1545.9	1546.6	1545.2	1548.8	1543.1
3°	1537.4	1538.8	1536.0	1538.8	1533.9
4°	1527.5	1527.5	1524.6	1526.8	1520.4
5°	1514.0	1513.3	1511.2	1512.6	1506.9
6°	1499.8	1499.1	1495.6	1495.6	1491.3
7°	1489.2	1484.2	1481.4	1480.7	1476.4
8°	1472.2	1470.8	1465.1	1465.1	1462.2
9°	1455.1	1453.7	1447.3	1448.8	1446.6
10°	1438.1	1433.2	1428.2	1428.9	1428.9
11°	1415.4	1411.2	1404.1	1406.9	1408.3
12°	1388.5	1383.5	1377.1	1382.8	1382.1
13°	1358.7	1354.5	1349.5	1353.7	1352.3
14°	1327.5	1321.1	1316.9	1319.7	1318.3
15°	1294.9	1286.4	1282.8	1282.8	1281.4
17.5°	1203.4	1198.4	1194.9	1192.8	1197.7
20°	1125.4	1121.1	1113.3	1115.5	1119.0
22.5°	1027.5	1026.8	1022.6	1019.0	1023.3
25°	853.1	874.4	877.9	868.0	846.0
27.5°	619.8	669.4	687.2	663.8	623.3
30°	436.1	459.5	488.6	442.5	437.5
32.5°	263.1	269.5	296.4	264.5	257.4
35°	134.7	139.7	157.4	134.7	126.9
37.5°	63.1	65.9	73.0	63.1	58.9
40°	31.2	34.7	39.0	32.6	29.8
42.5°	13.5	17.7	22.7	17.0	12.1
45°	3.5	7.1	12.8	7.1	3.5
47.5°	2.1	2.8	7.1	2.8	2.1
50°	2.1	2.1	3.5	2.1	2.1
52.5°	2.1	2.1	2.1	2.1	2.1
55°	2.1	2.1	2.1	2.1	2.1
57.5°	2.1	2.1	2.1	2.1	2.1
60°	1.4	2.1	1.4	2.1	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)