

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: P1307208

Luminaire Tested: LDSQA3D13R509024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

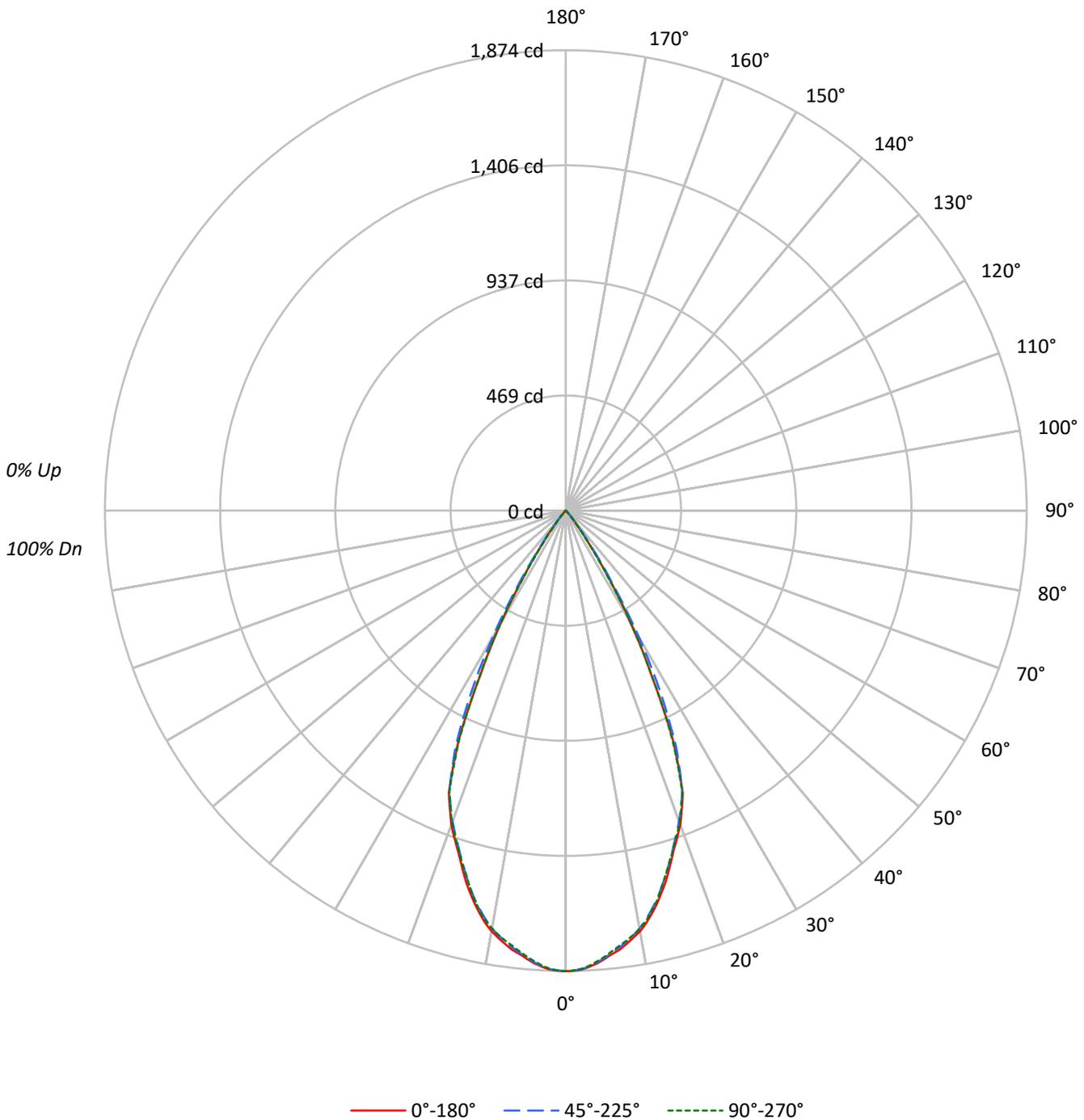
Test Method: LM-79-2019  
Report Number: P1307208  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R509024DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1208.1 lumens  
Efficiency: N/A  
Efficacy: 82.7 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): 14.6  
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°	322831	322831	322831
5°	316510	315905	315023
10°	304115	302017	302174
15°	279179	276576	276273
20°	249401	246744	247990
25°	196032	201732	194397
30°	104882	117490	105220
35°	34249	40031	32273
40°	8476	10612	8094
45°	1047	3751	1047
50°	697	1152	697
55°	781	781	781
60°	586	586	586
65°	693	693	693
70°	453	453	453
75°	599	599	599
80°	893	893	893
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3751 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.4	14.2
10°-20°	433.5	35.9
20°-30°	456.0	37.7
30°-40°	131.4	10.9
40°-50°	10.7	0.9
50°-60°	2.3	0.2
60°-70°	1.6	0.1
70°-80°	1.0	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°	1060.9	87.8
0°-40°	1192.2	98.7
0°-60°	1205.2	99.8
0°-90°	1208.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1208.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1874	1874	1874	1874	1874	
5°	1831	1830	1827	1829	1822	172
15°	1566	1556	1551	1551	1550	436
25°	1032	1057	1062	1050	1023	447
35°	163	169	190	163	154	126
45°	4	9	15	9	4	8
55°	3	3	3	3	3	2
65°	2	2	2	2	2	2
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°	1874.5	1874.5	1874.5	1874.5	1874.5
1°	1873.6	1875.3	1871.9	1877.9	1872.8
2°	1869.3	1870.2	1868.5	1872.8	1865.9
3°	1859.0	1860.8	1857.3	1860.8	1854.8
4°	1847.0	1847.0	1843.6	1846.2	1838.5
5°	1830.8	1829.9	1827.3	1829.0	1822.2
6°	1813.6	1812.7	1808.5	1808.5	1803.3
7°	1800.7	1794.7	1791.3	1790.5	1785.3
8°	1780.2	1778.4	1771.6	1771.6	1768.2
9°	1759.6	1757.9	1750.1	1751.9	1749.3
10°	1739.0	1733.0	1727.0	1727.9	1727.9
11°	1711.6	1706.4	1697.8	1701.3	1703.0
12°	1679.0	1673.0	1665.3	1672.1	1671.3
13°	1643.0	1637.8	1631.8	1637.0	1635.2
14°	1605.2	1597.5	1592.4	1595.8	1594.1
15°	1565.8	1555.5	1551.2	1551.2	1549.5
17.5°	1455.2	1449.2	1444.9	1442.3	1448.3
20°	1360.8	1355.7	1346.3	1348.8	1353.1
22.5°	1242.5	1241.7	1236.5	1232.2	1237.4
25°	1031.6	1057.3	1061.6	1049.6	1023.0
27.5°	749.5	809.5	830.9	802.6	753.7
30°	527.4	555.7	590.8	535.1	529.1
32.5°	318.1	325.8	358.4	319.8	311.3
35°	162.9	168.9	190.4	162.9	153.5
37.5°	76.3	79.7	88.3	76.3	71.2
40°	37.7	42.0	47.2	39.4	36.0
42.5°	16.3	21.4	27.4	20.6	14.6
45°	4.3	8.6	15.4	8.6	4.3
47.5°	2.6	3.4	8.6	3.4	2.6
50°	2.6	2.6	4.3	2.6	2.6
52.5°	2.6	2.6	2.6	2.6	2.6
55°	2.6	2.6	2.6	2.6	2.6
57.5°	2.6	2.6	2.6	2.6	2.6
60°	1.7	2.6	1.7	2.6	1.7
62.5°	1.7	1.7	1.7	1.7	1.7
65°	1.7	1.7	1.7	1.7	1.7
67.5°	1.7	1.7	1.7	1.7	1.7
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.0	0.9	0.0	0.9	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)