

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: P1311542

Luminaire Tested: LDSQA3D13R559040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

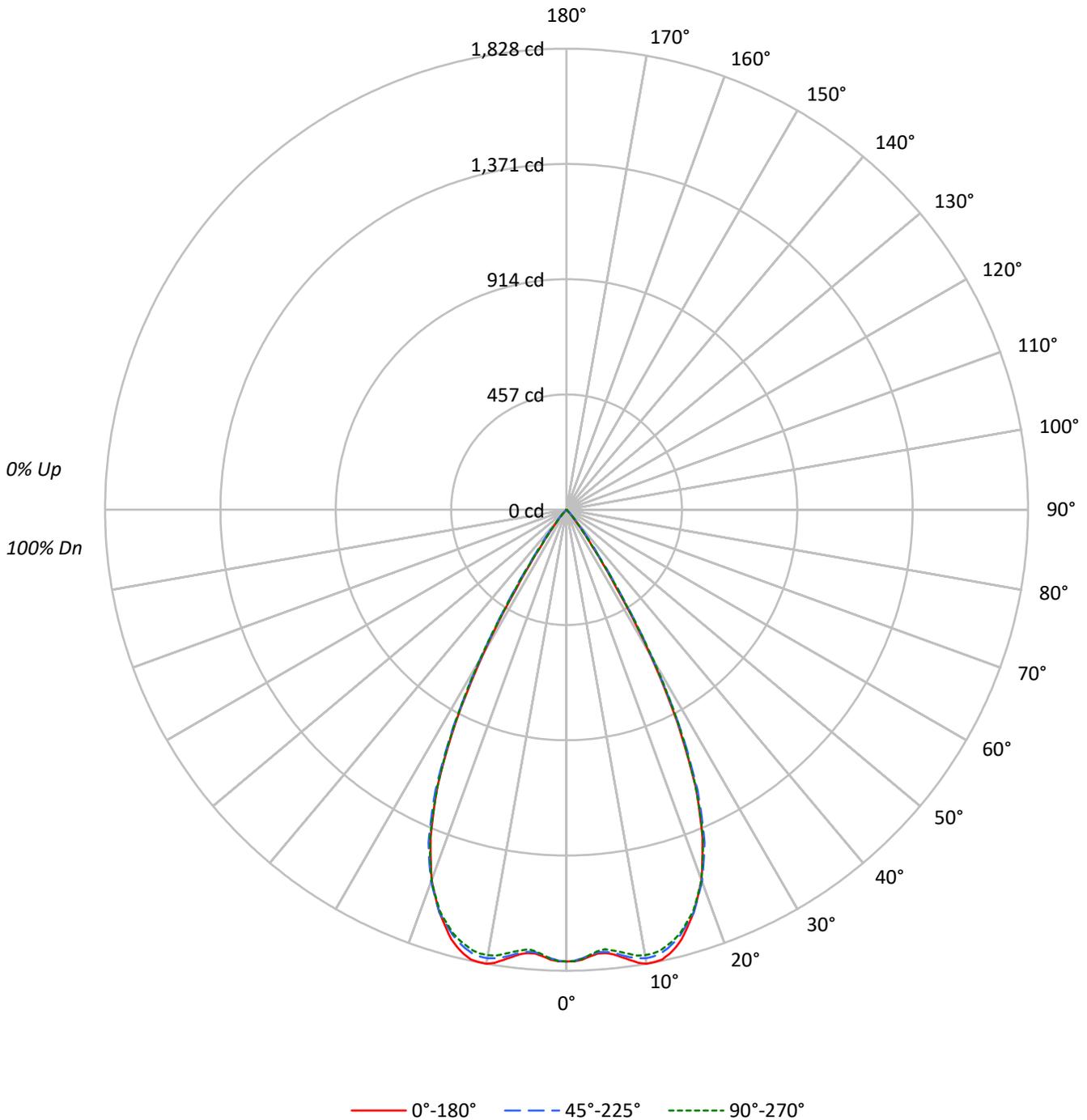
Test Method: LM-79-2019  
Report Number: P1311542  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R559040DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1362.0 lumens  
Efficiency: N/A  
Efficacy: 93.3 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
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 (Ain): 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	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	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	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

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

	0°	45°	90°
0°	308537	308537	308537
5°	305013	304114	302489
10°	319697	315850	313664
15°	314393	311023	309918
20°	286368	287504	286551
25°	229742	233315	229742
30°	131868	135189	136223
35°	37592	45287	38706
40°	9645	13871	9870
45°	1023	4847	755
50°	0	831	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 4847 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.1	12.5
10°-20°	485.4	35.6
20°-30°	534.6	39.3
30°-40°	159.6	11.7
40°-50°	12.3	0.9
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1190.1	87.4
0°-40°	1349.7	99.1
0°-60°	1362.0	100.0
0°-90°	1362.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1362.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1792	1792	1792	1792	1792	
5°	1764	1761	1759	1752	1750	171
15°	1763	1751	1744	1737	1738	489
25°	1209	1209	1228	1226	1209	529
35°	179	190	215	197	184	148
45°	4	10	20	10	3	8
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	1791.5	1791.5	1791.5	1791.5	1791.5
1°	1790.5	1790.5	1788.4	1787.3	1790.5
2°	1785.2	1785.2	1780.0	1779.0	1782.1
3°	1773.7	1772.7	1768.5	1765.4	1767.4
4°	1764.3	1762.2	1759.1	1753.9	1754.9
5°	1764.3	1761.2	1759.1	1751.8	1749.7
6°	1772.7	1770.6	1766.4	1759.1	1757.0
7°	1787.3	1783.1	1779.0	1769.5	1767.4
8°	1803.0	1799.9	1791.5	1782.1	1777.9
9°	1818.7	1811.4	1800.9	1791.5	1790.5
10°	1828.1	1817.6	1806.1	1794.6	1793.6
11°	1827.1	1817.6	1804.1	1793.6	1792.5
12°	1822.9	1809.3	1797.8	1785.2	1786.3
13°	1808.2	1795.7	1784.2	1774.8	1772.7
14°	1788.4	1776.9	1766.4	1757.0	1758.0
15°	1763.3	1750.7	1744.4	1737.1	1738.2
17.5°	1674.4	1671.2	1674.4	1666.0	1669.1
20°	1562.5	1559.3	1568.7	1564.6	1563.5
22.5°	1406.6	1410.8	1428.6	1423.4	1414.0
25°	1209.0	1209.0	1227.8	1225.7	1209.0
27.5°	951.7	959.0	970.5	975.8	963.2
30°	663.1	679.8	679.8	690.2	685.0
32.5°	370.2	405.8	414.1	419.4	398.5
35°	178.8	190.3	215.4	196.6	184.1
37.5°	85.8	91.0	116.1	94.1	87.8
40°	42.9	49.2	61.7	51.2	43.9
42.5°	17.8	26.1	32.4	26.1	17.8
45°	4.2	10.5	19.9	10.5	3.1
47.5°	0.0	1.0	9.4	2.1	0.0
50°	0.0	0.0	3.1	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	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)