

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: P1309473

Luminaire Tested: LDSQA3D17R609030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

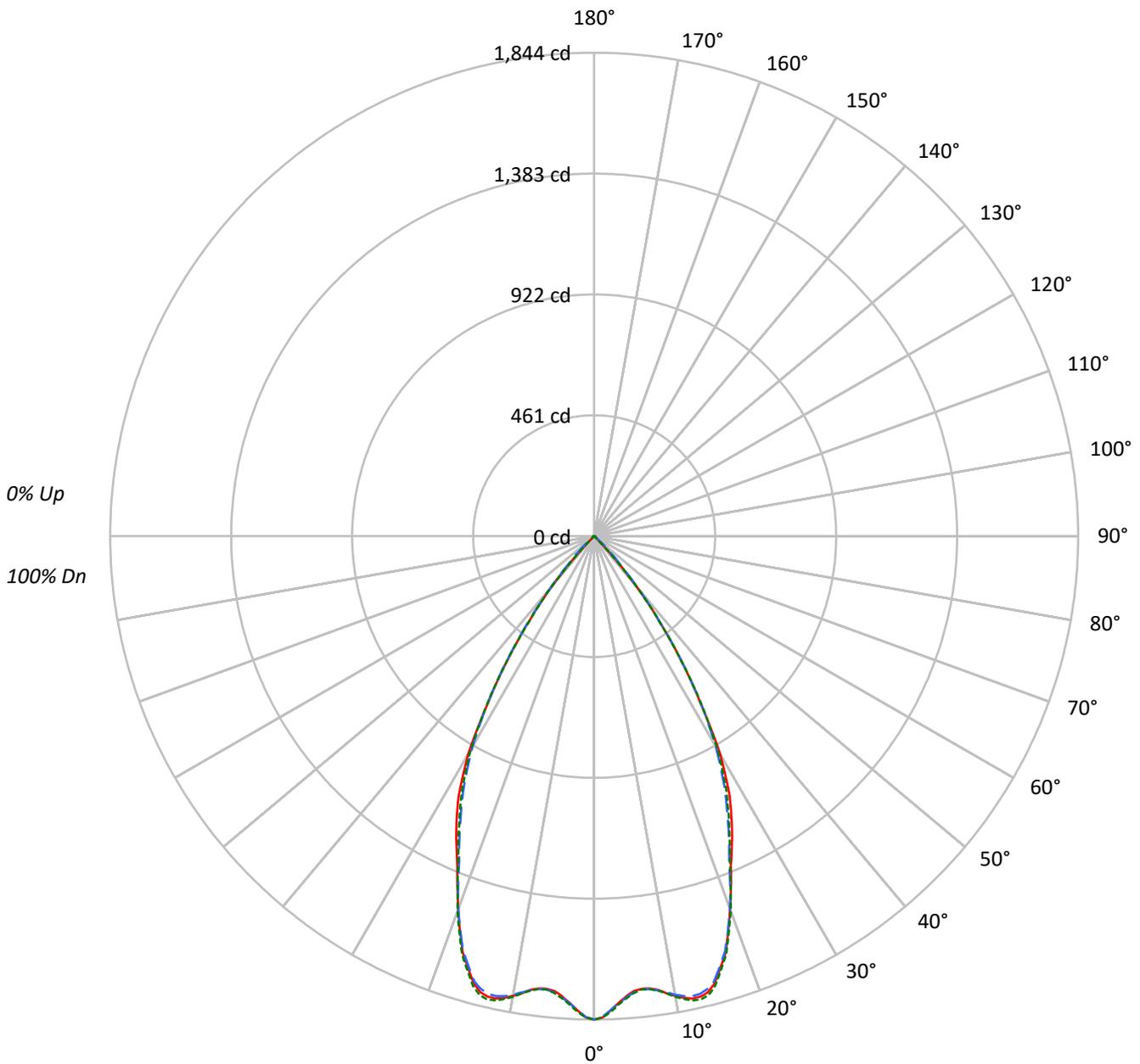
Test Method: LM-79-2019  
Report Number: P1309473  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R609030DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1645.0 lumens  
Efficiency: N/A  
Efficacy: 77.6 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.2  
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



— 0°-180°    - - 45°-225°    - · - · 90°-270°



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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	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	95	95	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	83	83	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	78	78	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	73	73	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	68	68	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	64	64	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	60	60	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	56	56	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	53	53	53	52

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

	0°	45°	90°
0°	317630	317630	317630
5°	301037	301936	302368
10°	311495	310603	312177
15°	315284	313911	317121
20°	277626	277387	278799
25°	236241	229400	231357
30°	190672	184030	187093
35°	120681	121774	120407
40°	56430	58746	57284
45°	3459	20678	4067
50°	1715	4823	1715
55°	1922	1922	1922
60°	1757	1757	1757
65°	1589	2078	1589
70°	1964	1964	1964
75°	1730	1730	1730
80°	1289	1289	1289
85°	2569	2569	2569

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 20678 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.1	10.2
10°-20°	484.1	29.4
20°-30°	558.1	33.9
30°-40°	358.4	21.8
40°-50°	62.3	3.8
50°-60°	5.9	0.4
60°-70°	4.5	0.3
70°-80°	2.7	0.2
80°-90°	0.9	0.1
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°	1210.3	73.6
0°-40°	1568.6	95.4
0°-60°	1636.8	99.5
0°-90°	1645.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1645.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1844	1844	1844	1844	1844	
5°	1741	1745	1746	1750	1749	168
15°	1768	1762	1761	1772	1779	485
25°	1243	1229	1207	1208	1218	567
35°	574	570	579	568	573	358
45°	14	42	85	50	17	47
55°	6	6	6	6	6	6
65°	4	5	5	5	4	4
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1844.3	1844.3	1844.3	1844.3	1844.3
1°	1836.6	1835.3	1834.0	1835.3	1836.6
2°	1810.8	1809.5	1808.2	1813.4	1816.0
3°	1782.5	1783.8	1785.1	1787.7	1788.9
4°	1759.3	1761.9	1763.2	1765.8	1767.1
5°	1741.3	1745.2	1746.5	1750.3	1749.0
6°	1736.2	1738.7	1740.0	1741.3	1738.7
7°	1738.7	1740.0	1741.3	1743.9	1741.3
8°	1747.8	1749.0	1750.3	1751.6	1751.6
9°	1765.8	1763.2	1761.9	1767.1	1765.8
10°	1781.2	1777.4	1776.1	1783.8	1785.1
11°	1794.1	1788.9	1787.7	1796.7	1799.2
12°	1803.1	1795.4	1794.1	1805.7	1810.8
13°	1803.1	1792.8	1792.8	1805.7	1813.4
14°	1792.8	1781.2	1781.2	1795.4	1804.4
15°	1768.3	1761.9	1760.6	1772.2	1778.6
17.5°	1665.4	1657.7	1659.0	1671.8	1673.1
20°	1514.8	1510.9	1513.5	1516.1	1521.2
22.5°	1361.7	1359.1	1344.9	1348.8	1351.4
25°	1243.2	1229.1	1207.2	1208.5	1217.5
27.5°	1118.4	1104.3	1073.4	1079.8	1088.8
30°	958.8	947.2	925.4	929.2	940.8
32.5°	752.9	776.1	755.5	761.9	758.0
35°	574.0	570.1	579.2	567.6	572.7
37.5°	404.1	405.4	409.3	399.0	399.0
40°	251.0	257.4	261.3	256.1	254.8
42.5°	105.5	144.1	151.9	144.1	106.8
45°	14.2	42.5	84.9	50.2	16.7
47.5°	6.4	9.0	45.0	9.0	6.4
50°	6.4	6.4	18.0	6.4	6.4
52.5°	6.4	6.4	6.4	6.4	6.4
55°	6.4	6.4	6.4	6.4	6.4
57.5°	6.4	6.4	6.4	6.4	6.4
60°	5.1	5.1	5.1	5.1	5.1
62.5°	5.1	5.1	5.1	5.1	5.1
65°	3.9	5.1	5.1	5.1	3.9
67.5°	3.9	3.9	3.9	3.9	3.9
70°	3.9	3.9	3.9	3.9	3.9
72.5°	2.6	2.6	2.6	2.6	2.6
75°	2.6	2.6	2.6	2.6	2.6
77.5°	2.6	2.6	2.6	2.6	2.6
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3
85°	1.3	1.3	1.3	1.3	1.3
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)