

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: P1314700

Luminaire Tested: LDSQA3D13R509730DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314700  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R509730DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

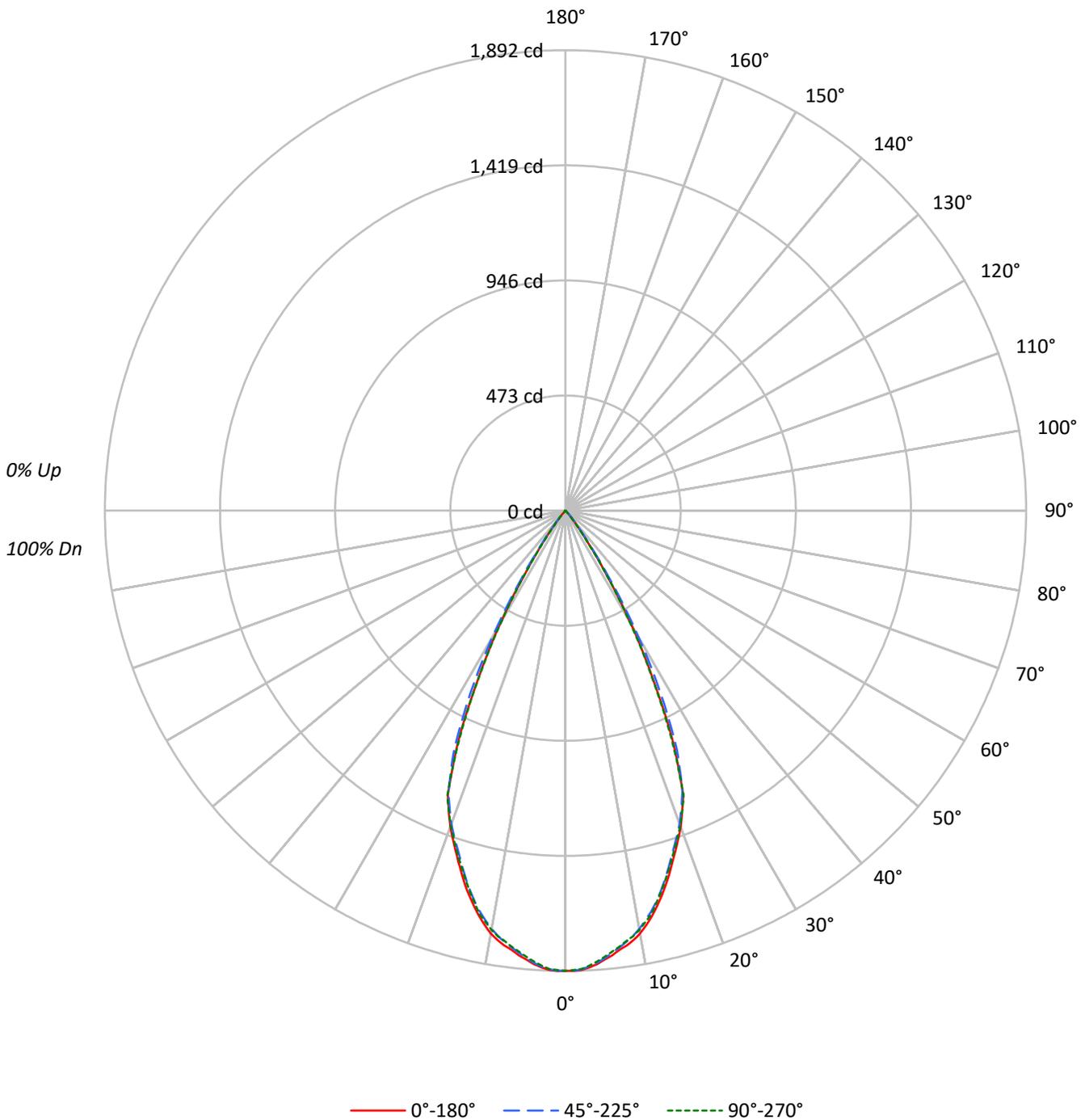
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1218.0 lumens  
Efficiency: N/A  
Efficacy: 83.4 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				
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	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

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

	0°	45°	90°
0°	325742	325742	325742
5°	320071	319155	318256
10°	308680	305340	305934
15°	283957	280391	281158
20°	253562	251161	252609
25°	197343	205628	195195
30°	106910	119379	105001
35°	33702	40115	32966
40°	7442	10387	7059
45°	219	3191	219
50°	0	455	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: 3191 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.3	14.2
10°-20°	440.3	36.1
20°-30°	463.7	38.1
30°-40°	132.4	10.9
40°-50°	8.2	0.7
50°-60°	0.0	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°	1077.3	88.4
0°-40°	1209.7	99.3
0°-60°	1218.0	100.0
0°-90°	1218.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1218.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1891	1891	1891	1891	1891	
5°	1851	1850	1846	1844	1841	174
15°	1593	1582	1573	1575	1577	444
25°	1038	1077	1082	1070	1027	454
35°	160	172	191	162	157	125
45°	1	4	13	4	1	5
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°	1891.4	1891.4	1891.4	1891.4	1891.4
1°	1892.3	1893.2	1891.4	1893.2	1888.8
2°	1889.7	1888.0	1886.2	1887.1	1884.5
3°	1880.1	1879.3	1875.8	1876.6	1873.2
4°	1867.9	1865.3	1862.7	1861.0	1857.5
5°	1851.4	1849.6	1846.1	1844.4	1840.9
6°	1837.4	1833.9	1827.8	1826.1	1822.6
7°	1819.1	1817.4	1809.6	1807.8	1806.1
8°	1805.2	1800.0	1790.4	1791.3	1786.9
9°	1786.9	1779.9	1770.3	1770.3	1771.2
10°	1765.1	1754.7	1746.0	1748.6	1749.4
11°	1736.4	1729.4	1716.3	1722.4	1722.4
12°	1705.0	1696.3	1686.7	1691.9	1695.4
13°	1668.4	1661.4	1652.7	1658.0	1656.2
14°	1632.7	1619.6	1613.5	1620.5	1617.9
15°	1592.6	1582.2	1572.6	1575.2	1576.9
17.5°	1485.5	1474.1	1467.2	1468.0	1475.9
20°	1383.5	1379.2	1370.4	1373.9	1378.3
22.5°	1263.3	1265.0	1254.6	1257.2	1267.6
25°	1038.5	1076.8	1082.1	1069.9	1027.2
27.5°	769.3	826.8	844.2	816.3	764.1
30°	537.6	553.2	600.3	547.1	528.0
32.5°	315.4	338.9	364.2	327.6	314.5
35°	160.3	171.6	190.8	162.0	156.8
37.5°	74.1	79.3	87.1	74.1	69.7
40°	33.1	39.2	46.2	37.5	31.4
42.5°	10.5	18.3	24.4	16.6	9.6
45°	0.9	4.4	13.1	4.4	0.9
47.5°	0.0	0.9	5.2	0.9	0.0
50°	0.0	0.0	1.7	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)