

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: P1316643

Luminaire Tested: LDSQA3D13R509740DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316643  
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: LDSQA3D13R509740DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

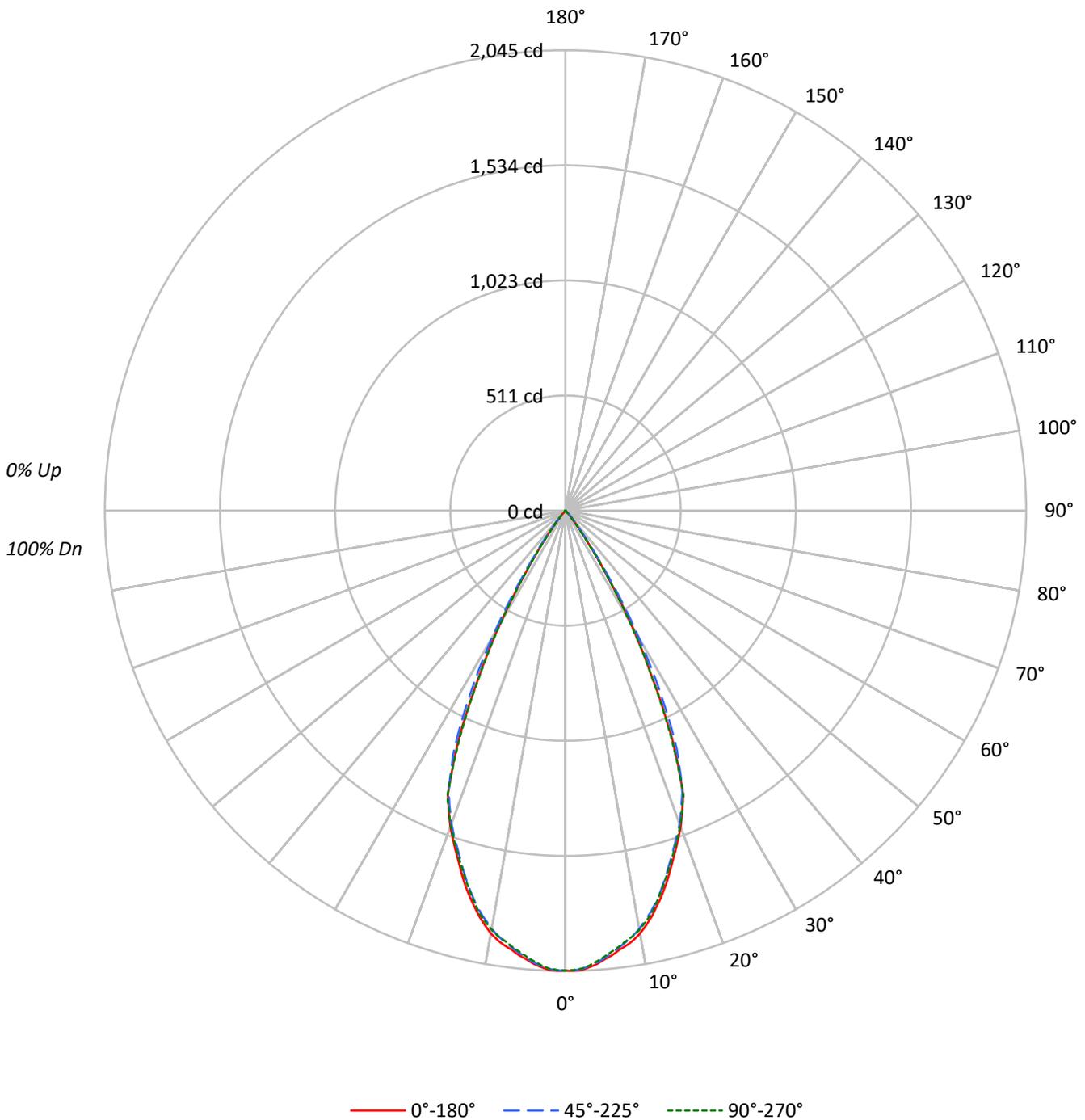
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1316.0 lumens  
Efficiency: N/A  
Efficacy: 90.1 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 (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	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°	351954	351954	351954
5°	345813	344845	343859
10°	333513	329893	330557
15°	306815	302946	303784
20°	273960	271376	272934
25°	213229	222160	210892
30°	115501	128984	113433
35°	36414	43353	35616
40°	8049	11219	7621
45°	219	3434	219
50°	0	509	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: 3434 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	187.2	14.2
10°-20°	475.7	36.1
20°-30°	501.0	38.1
30°-40°	143.1	10.9
40°-50°	8.9	0.7
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°	1164.0	88.4
0°-40°	1307.1	99.3
0°-60°	1316.0	100.0
0°-90°	1316.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1316.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2044	2044	2044	2044	2044	
5°	2000	1998	1995	1993	1989	188
15°	1721	1710	1699	1702	1704	479
25°	1122	1164	1169	1156	1110	491
35°	173	185	206	175	169	135
45°	1	5	14	5	1	6
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°	2043.6	2043.6	2043.6	2043.6	2043.6
1°	2044.6	2045.5	2043.6	2045.5	2040.8
2°	2041.8	2039.9	2038.0	2038.9	2036.1
3°	2031.4	2030.5	2026.7	2027.6	2023.9
4°	2018.2	2015.4	2012.6	2010.7	2006.9
5°	2000.3	1998.4	1994.7	1992.8	1989.0
6°	1985.3	1981.5	1974.9	1973.0	1969.3
7°	1965.5	1963.6	1955.1	1953.3	1951.4
8°	1950.4	1944.8	1934.4	1935.4	1930.7
9°	1930.7	1923.1	1912.8	1912.8	1913.7
10°	1907.1	1895.8	1886.4	1889.3	1890.2
11°	1876.1	1868.5	1854.4	1861.0	1861.0
12°	1842.2	1832.8	1822.4	1828.1	1831.8
13°	1802.7	1795.1	1785.7	1791.4	1789.5
14°	1764.1	1749.9	1743.3	1750.9	1748.1
15°	1720.8	1709.5	1699.1	1701.9	1703.8
17.5°	1605.0	1592.7	1585.2	1586.1	1594.6
20°	1494.8	1490.1	1480.7	1484.5	1489.2
22.5°	1364.9	1366.8	1355.5	1358.3	1369.6
25°	1122.1	1163.5	1169.1	1156.0	1109.8
27.5°	831.2	893.3	912.2	882.0	825.5
30°	580.8	597.7	648.6	591.2	570.4
32.5°	340.8	366.2	393.5	353.9	339.8
35°	173.2	185.4	206.2	175.1	169.4
37.5°	80.0	85.7	94.1	80.0	75.3
40°	35.8	42.4	49.9	40.5	33.9
42.5°	11.3	19.8	26.4	17.9	10.4
45°	0.9	4.7	14.1	4.7	0.9
47.5°	0.0	0.9	5.6	0.9	0.0
50°	0.0	0.0	1.9	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)