

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: P1311868

Luminaire Tested: LDSQA3D20R709040D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311868  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R709040D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

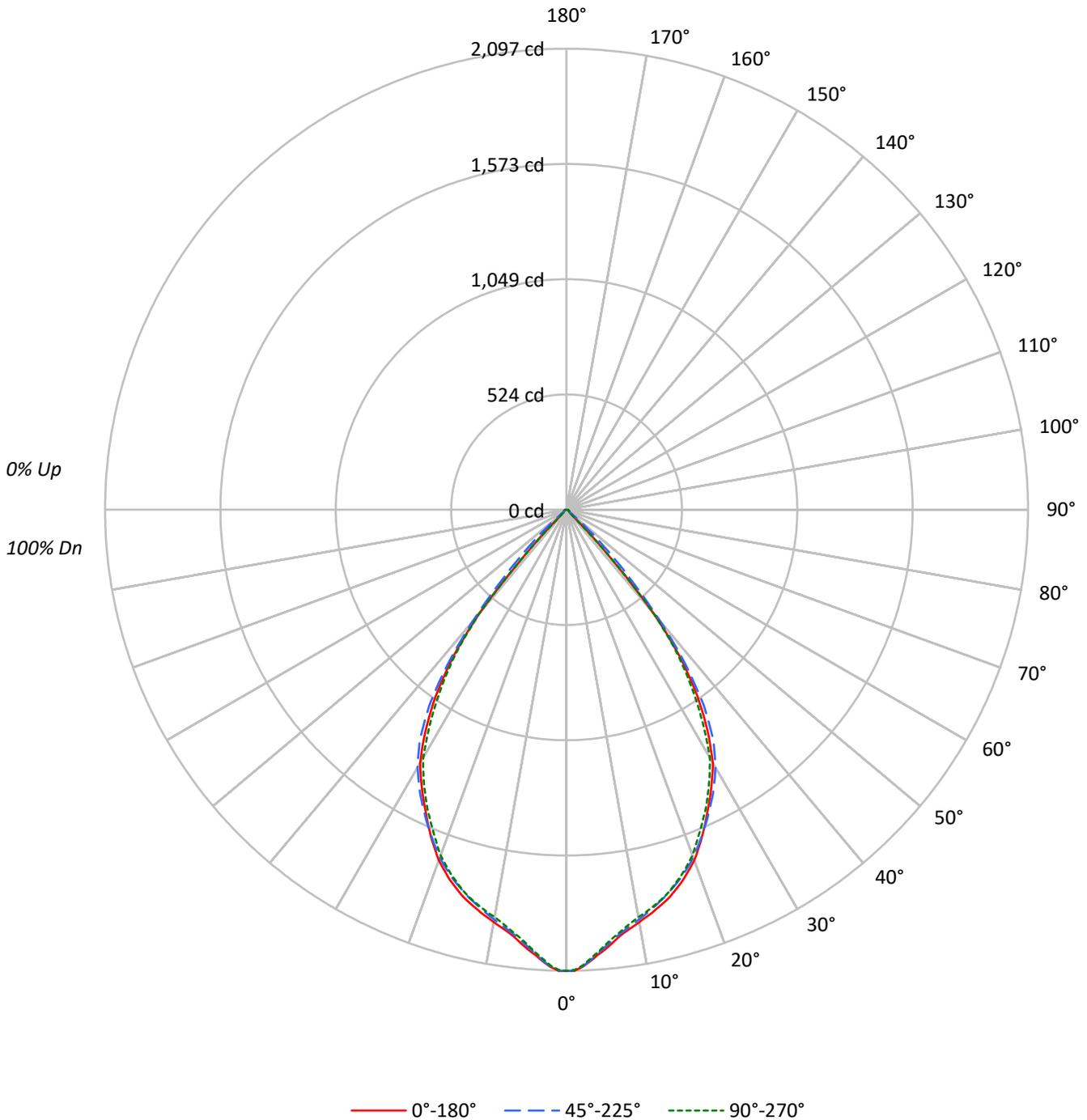
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2236.0 lumens  
Efficiency: N/A  
Efficacy: 77.6 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

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

	0°	45°	90°
0°	361168	361168	361168
5°	347144	345260	343998
10°	333040	331134	328913
15°	324645	321079	320758
20°	311074	308728	306730
25°	287985	290057	284546
30°	264531	269224	259102
35°	218150	228473	209740
40°	138894	149528	138894
45°	9742	64616	10619
50°	4394	13155	4394
55°	4924	4924	4924
60°	4994	4994	4994
65°	4442	5175	4442
70°	4582	5489	4582
75°	4858	4858	4858
80°	5455	5455	5455
85°	3557	7114	3557

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 64616 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	187.2	8.4
10°-20°	506.6	22.7
20°-30°	696.4	31.1
30°-40°	637.8	28.5
40°-50°	169.3	7.6
50°-60°	15.1	0.7
60°-70°	12.3	0.5
70°-80°	8.2	0.4
80°-90°	3.1	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°	1390.1	62.2
0°-40°	2028.0	90.7
0°-60°	2212.4	98.9
0°-90°	2236.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2236.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2097	2097	2097	2097	2097	
5°	2008	1999	1997	1994	1990	188
15°	1821	1804	1801	1801	1799	511
25°	1516	1521	1526	1508	1497	697
35°	1038	1054	1087	1038	998	629
45°	40	136	265	138	44	120
55°	16	16	16	16	16	14
65°	11	13	13	13	11	11
75°	7	7	7	7	7	8
85°	2	4	4	4	2	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2097.1	2097.1	2097.1	2097.1	2097.1
1°	2097.1	2093.4	2097.1	2097.1	2093.4
2°	2080.7	2077.1	2078.9	2077.1	2075.2
3°	2057.1	2051.6	2053.4	2049.8	2046.2
4°	2029.8	2024.4	2024.4	2022.5	2018.9
5°	2008.0	1998.9	1997.1	1993.5	1989.8
6°	1982.6	1973.5	1971.7	1966.2	1962.6
7°	1957.1	1949.9	1948.0	1940.8	1940.8
8°	1937.1	1928.1	1928.1	1919.0	1919.0
9°	1920.8	1909.9	1909.9	1902.6	1899.0
10°	1904.4	1893.5	1893.5	1884.4	1880.8
11°	1888.1	1879.0	1875.4	1869.9	1868.1
12°	1873.5	1860.8	1857.2	1855.4	1851.7
13°	1855.4	1842.6	1839.0	1837.2	1835.4
14°	1839.0	1822.7	1820.8	1817.2	1819.0
15°	1820.8	1804.5	1800.8	1800.8	1799.0
17.5°	1764.5	1753.6	1748.1	1744.5	1740.9
20°	1697.3	1688.2	1684.5	1677.3	1673.6
22.5°	1610.0	1608.2	1606.4	1597.3	1582.8
25°	1515.5	1521.0	1526.4	1508.3	1497.4
27.5°	1424.7	1439.2	1444.7	1426.5	1402.9
30°	1330.2	1342.9	1353.8	1328.4	1302.9
32.5°	1193.9	1224.8	1241.1	1212.1	1153.9
35°	1037.6	1054.0	1086.7	1037.6	997.6
37.5°	855.9	865.0	890.4	857.7	830.5
40°	617.8	645.1	665.1	645.1	617.8
42.5°	278.0	388.9	439.8	410.7	290.8
45°	40.0	136.3	265.3	138.1	43.6
47.5°	16.4	21.8	138.1	20.0	16.4
50°	16.4	16.4	49.1	16.4	16.4
52.5°	16.4	16.4	18.2	16.4	16.4
55°	16.4	16.4	16.4	16.4	16.4
57.5°	14.5	14.5	16.4	14.5	14.5
60°	14.5	14.5	14.5	14.5	14.5
62.5°	12.7	14.5	14.5	14.5	12.7
65°	10.9	12.7	12.7	12.7	10.9
67.5°	10.9	10.9	10.9	10.9	10.9
70°	9.1	10.9	10.9	10.9	9.1
72.5°	9.1	9.1	9.1	9.1	9.1
75°	7.3	7.3	7.3	7.3	7.3
77.5°	5.5	7.3	7.3	7.3	5.5
80°	5.5	5.5	5.5	5.5	5.5
82.5°	3.6	3.6	3.6	3.6	3.6
85°	1.8	3.6	3.6	3.6	1.8
87.5°	1.8	1.8	1.8	1.8	1.8



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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)