

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: P1310750

Luminaire Tested: LDSQA3D20R709035D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310750  
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: LDSQA3D20R709035D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

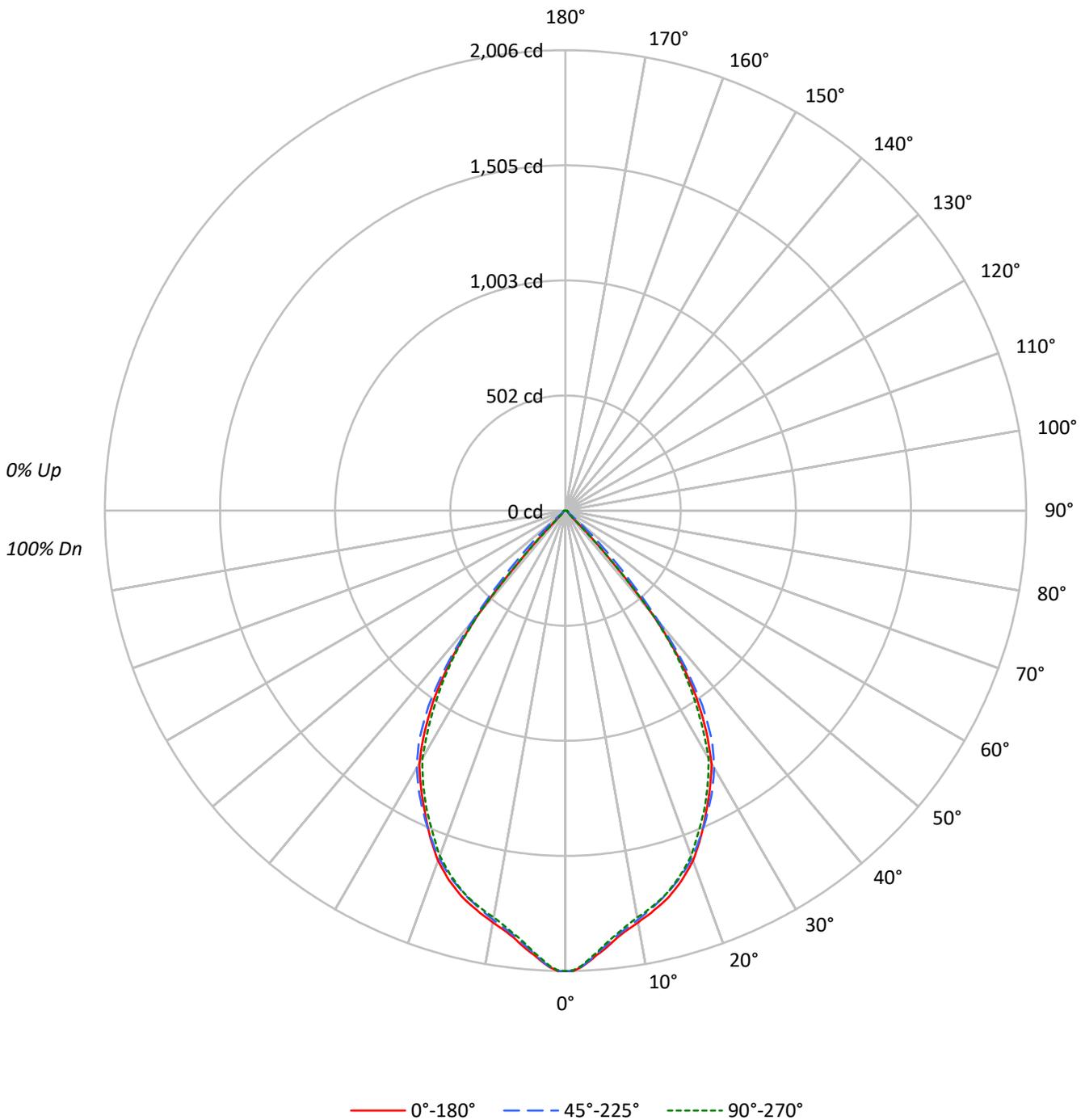
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2139.0 lumens  
Efficiency: N/A  
Efficacy: 74.3 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°	345496	345496	345496
5°	332086	330288	329078
10°	318595	316777	314643
15°	310559	307154	306851
20°	297566	295348	293424
25°	275501	277477	272194
30°	253056	257551	247866
35°	208689	218550	200658
40°	132869	143031	132869
45°	9304	61815	10156
50°	4180	12566	4180
55°	4684	4684	4684
60°	4788	4788	4788
65°	4238	4972	4238
70°	4381	5237	4381
75°	4658	4658	4658
80°	5157	5157	5157
85°	3359	6916	3359

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 61815 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.0	8.4
10°-20°	484.7	22.7
20°-30°	666.1	31.1
30°-40°	610.2	28.5
40°-50°	161.9	7.6
50°-60°	14.4	0.7
60°-70°	11.8	0.6
70°-80°	7.9	0.4
80°-90°	3.0	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°	1329.8	62.2
0°-40°	1940.0	90.7
0°-60°	2116.4	98.9
0°-90°	2139.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2139.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2006	2006	2006	2006	2006	
5°	1921	1912	1910	1907	1904	180
15°	1742	1726	1723	1723	1721	489
25°	1450	1455	1460	1443	1432	666
35°	993	1008	1040	993	954	602
45°	38	130	254	132	42	115
55°	16	16	16	16	16	13
65°	10	12	12	12	10	11
75°	7	7	7	7	7	7
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°	2006.1	2006.1	2006.1	2006.1	2006.1
1°	2006.1	2002.6	2006.1	2006.1	2002.6
2°	1990.4	1987.0	1988.7	1987.0	1985.2
3°	1967.8	1962.6	1964.4	1960.9	1957.4
4°	1941.8	1936.5	1936.5	1934.8	1931.3
5°	1920.9	1912.2	1910.5	1907.0	1903.5
6°	1896.6	1887.9	1886.1	1880.9	1877.4
7°	1872.2	1865.3	1863.5	1856.6	1856.6
8°	1853.1	1844.4	1844.4	1835.7	1835.7
9°	1837.5	1827.0	1827.0	1820.1	1816.6
10°	1821.8	1811.4	1811.4	1802.7	1799.2
11°	1806.2	1797.5	1794.0	1788.8	1787.0
12°	1792.3	1780.1	1776.6	1774.9	1771.4
13°	1774.9	1762.7	1759.2	1757.5	1755.8
14°	1759.2	1743.6	1741.8	1738.4	1740.1
15°	1741.8	1726.2	1722.7	1722.7	1721.0
17.5°	1688.0	1677.5	1672.3	1668.8	1665.4
20°	1623.6	1614.9	1611.5	1604.5	1601.0
22.5°	1540.2	1538.5	1536.7	1528.0	1514.1
25°	1449.8	1455.0	1460.2	1442.8	1432.4
27.5°	1362.9	1376.8	1382.0	1364.6	1342.0
30°	1272.5	1284.7	1295.1	1270.7	1246.4
32.5°	1142.1	1171.7	1187.3	1159.5	1103.9
35°	992.6	1008.3	1039.5	992.6	954.4
37.5°	818.8	827.5	851.8	820.5	794.4
40°	591.0	617.1	636.2	617.1	591.0
42.5°	266.0	372.0	420.7	392.9	278.1
45°	38.2	130.4	253.8	132.1	41.7
47.5°	15.6	20.9	132.1	19.1	15.6
50°	15.6	15.6	46.9	15.6	15.6
52.5°	15.6	15.6	17.4	15.6	15.6
55°	15.6	15.6	15.6	15.6	15.6
57.5°	13.9	13.9	15.6	13.9	13.9
60°	13.9	13.9	13.9	13.9	13.9
62.5°	12.2	13.9	13.9	13.9	12.2
65°	10.4	12.2	12.2	12.2	10.4
67.5°	10.4	10.4	10.4	10.4	10.4
70°	8.7	10.4	10.4	10.4	8.7
72.5°	8.7	8.7	8.7	8.7	8.7
75°	7.0	7.0	7.0	7.0	7.0
77.5°	5.2	7.0	7.0	7.0	5.2
80°	5.2	5.2	5.2	5.2	5.2
82.5°	3.5	3.5	3.5	3.5	3.5
85°	1.7	3.5	3.5	3.5	1.7
87.5°	1.7	1.7	1.7	1.7	1.7



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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)