

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: P1320483

Luminaire Tested: LDSQA3D20R709840D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320483  
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: LDSQA3D20R709840D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

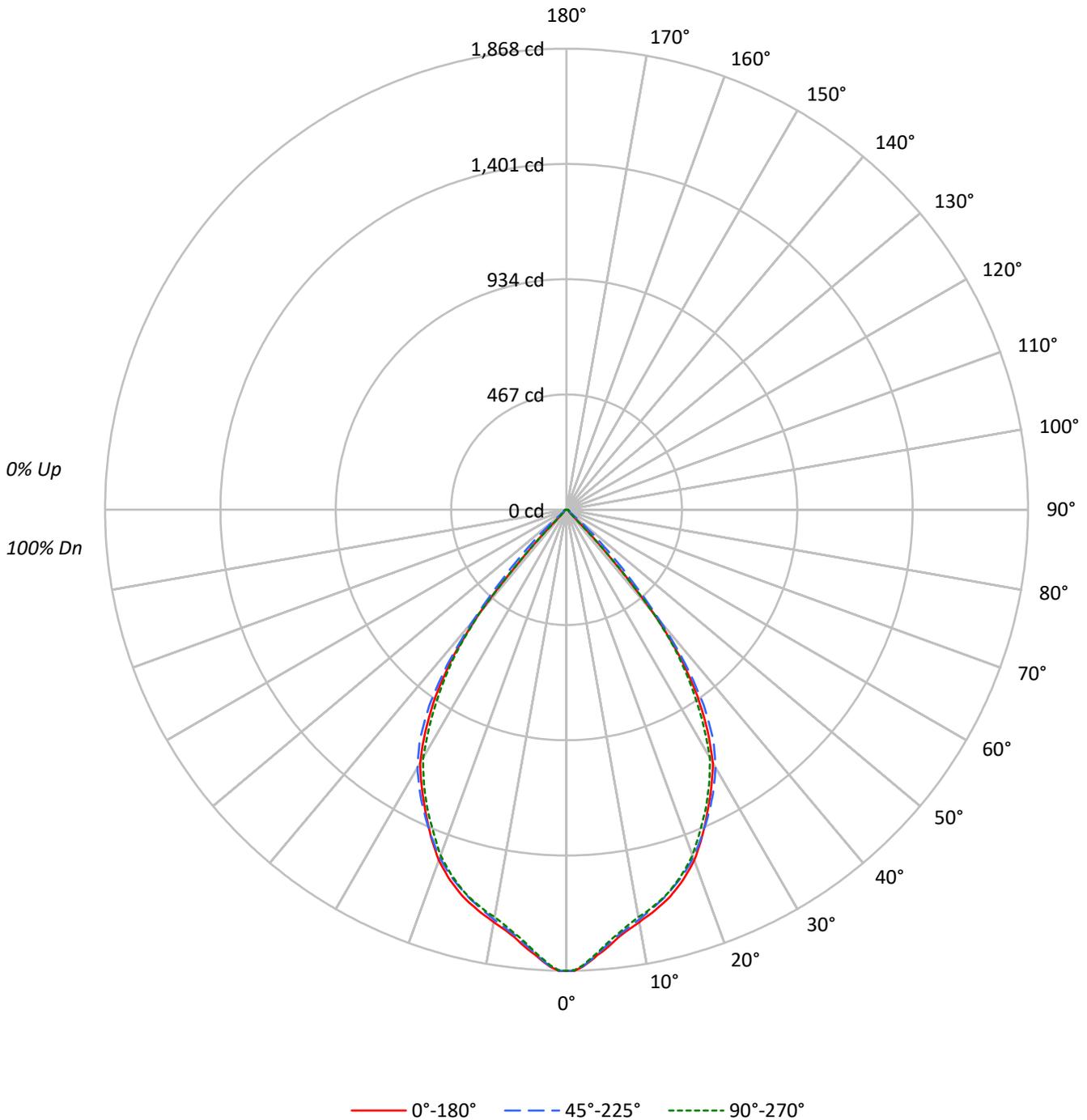
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1992.0 lumens  
Efficiency: N/A  
Efficacy: 72.7 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): 27.4  
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	75	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°	321746	321746	321746
5°	309266	307589	306465
10°	296700	295004	293028
15°	289217	286043	285758
20°	277131	275042	273264
25°	256574	258417	253496
30°	235656	239852	230843
35°	194350	203538	186866
40°	123741	133206	123741
45°	8671	57577	9474
50°	3912	11709	3912
55°	4384	4384	4384
60°	4478	4478	4478
65°	3953	4605	3953
70°	4079	4884	4079
75°	4325	4325	4325
80°	4860	4860	4860
85°	3162	6323	3162

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 57577 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.7	8.4
10°-20°	451.3	22.7
20°-30°	620.4	31.1
30°-40°	568.2	28.5
40°-50°	150.8	7.6
50°-60°	13.5	0.7
60°-70°	11.0	0.6
70°-80°	7.3	0.4
80°-90°	2.7	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°	1238.4	62.2
0°-40°	1806.7	90.7
0°-60°	1971.0	98.9
0°-90°	1992.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1992.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1868	1868	1868	1868	1868	
5°	1789	1781	1779	1776	1773	168
15°	1622	1608	1604	1604	1603	455
25°	1350	1355	1360	1344	1334	621
35°	924	939	968	924	889	561
45°	36	121	236	123	39	107
55°	15	15	15	15	15	13
65°	10	11	11	11	10	10
75°	6	6	6	6	6	7
85°	2	3	3	3	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1868.2	1868.2	1868.2	1868.2	1868.2
1°	1868.2	1865.0	1868.2	1868.2	1865.0
2°	1853.6	1850.4	1852.0	1850.4	1848.8
3°	1832.6	1827.7	1829.4	1826.1	1822.9
4°	1808.3	1803.5	1803.5	1801.8	1798.6
5°	1788.9	1780.8	1779.2	1775.9	1772.7
6°	1766.2	1758.1	1756.5	1751.7	1748.4
7°	1743.6	1737.1	1735.5	1729.0	1729.0
8°	1725.8	1717.7	1717.7	1709.6	1709.6
9°	1711.2	1701.5	1701.5	1695.0	1691.8
10°	1696.6	1686.9	1686.9	1678.8	1675.6
11°	1682.0	1673.9	1670.7	1665.9	1664.2
12°	1669.1	1657.8	1654.5	1652.9	1649.7
13°	1652.9	1641.6	1638.3	1636.7	1635.1
14°	1638.3	1623.8	1622.1	1618.9	1620.5
15°	1622.1	1607.6	1604.3	1604.3	1602.7
17.5°	1572.0	1562.2	1557.4	1554.1	1550.9
20°	1512.1	1504.0	1500.7	1494.2	1491.0
22.5°	1434.3	1432.7	1431.1	1423.0	1410.1
25°	1350.2	1355.0	1359.9	1343.7	1334.0
27.5°	1269.2	1282.2	1287.0	1270.8	1249.8
30°	1185.0	1196.4	1206.1	1183.4	1160.8
32.5°	1063.6	1091.1	1105.7	1079.8	1028.0
35°	924.4	939.0	968.1	924.4	888.8
37.5°	762.5	770.6	793.3	764.1	739.8
40°	550.4	574.7	592.5	574.7	550.4
42.5°	247.7	346.4	391.8	365.9	259.0
45°	35.6	121.4	236.4	123.0	38.9
47.5°	14.6	19.4	123.0	17.8	14.6
50°	14.6	14.6	43.7	14.6	14.6
52.5°	14.6	14.6	16.2	14.6	14.6
55°	14.6	14.6	14.6	14.6	14.6
57.5°	13.0	13.0	14.6	13.0	13.0
60°	13.0	13.0	13.0	13.0	13.0
62.5°	11.3	13.0	13.0	13.0	11.3
65°	9.7	11.3	11.3	11.3	9.7
67.5°	9.7	9.7	9.7	9.7	9.7
70°	8.1	9.7	9.7	9.7	8.1
72.5°	8.1	8.1	8.1	8.1	8.1
75°	6.5	6.5	6.5	6.5	6.5
77.5°	4.9	6.5	6.5	6.5	4.9
80°	4.9	4.9	4.9	4.9	4.9
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.6	3.2	3.2	3.2	1.6
87.5°	1.6	1.6	1.6	1.6	1.6



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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)