

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: P1308514

Luminaire Tested: LDSQA3D20R709027D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308514  
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: LDSQA3D20R709027D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

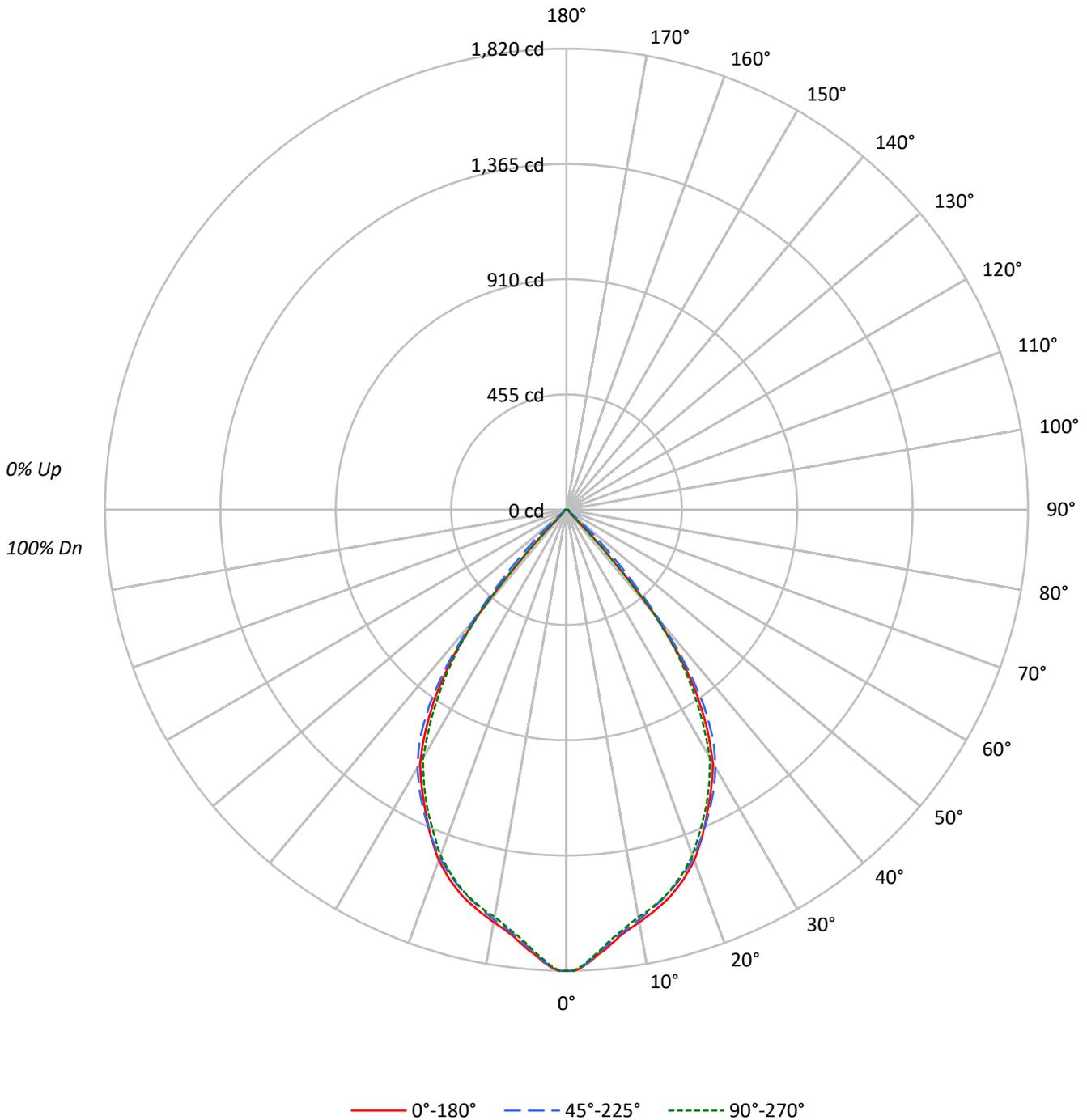
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1941.0 lumens  
Efficiency: N/A  
Efficacy: 67.4 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	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°	313514	313514	313514
5°	301348	299706	298616
10°	289111	287449	285526
15°	281818	278733	278448
20°	270020	268004	266263
25°	249999	251804	246997
30°	229630	233707	224917
35°	189368	198324	182072
40°	120571	129789	120571
45°	8452	56092	9231
50°	3805	11414	3805
55°	4264	4264	4264
60°	4340	4340	4340
65°	3871	4483	3871
70°	3978	4784	3978
75°	4192	4192	4192
80°	4661	4661	4661
85°	3162	6323	3162

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 56092 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.5	8.4
10°-20°	439.8	22.7
20°-30°	604.5	31.1
30°-40°	553.7	28.5
40°-50°	147.0	7.6
50°-60°	13.1	0.7
60°-70°	10.7	0.6
70°-80°	7.1	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°	1206.7	62.2
0°-40°	1760.4	90.7
0°-60°	1920.5	98.9
0°-90°	1941.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1941.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1820	1820	1820	1820	1820	
5°	1743	1735	1734	1730	1727	163
15°	1581	1566	1563	1563	1562	443
25°	1316	1320	1325	1309	1300	605
35°	901	915	943	901	866	546
45°	35	118	230	120	38	104
55°	14	14	14	14	14	12
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°	1820.4	1820.4	1820.4	1820.4	1820.4
1°	1820.4	1817.2	1820.4	1820.4	1817.2
2°	1806.2	1803.0	1804.6	1803.0	1801.5
3°	1785.7	1780.9	1782.5	1779.4	1776.2
4°	1762.0	1757.3	1757.3	1755.7	1752.6
5°	1743.1	1735.2	1733.6	1730.5	1727.3
6°	1721.0	1713.1	1711.5	1706.8	1703.7
7°	1698.9	1692.6	1691.0	1684.7	1684.7
8°	1681.6	1673.7	1673.7	1665.8	1665.8
9°	1667.4	1657.9	1657.9	1651.6	1648.4
10°	1653.2	1643.7	1643.7	1635.8	1632.7
11°	1639.0	1631.1	1627.9	1623.2	1621.6
12°	1626.4	1615.3	1612.2	1610.6	1607.4
13°	1610.6	1599.5	1596.4	1594.8	1593.2
14°	1596.4	1582.2	1580.6	1577.5	1579.0
15°	1580.6	1566.4	1563.3	1563.3	1561.7
17.5°	1531.7	1522.2	1517.5	1514.4	1511.2
20°	1473.3	1465.5	1462.3	1456.0	1452.8
22.5°	1397.6	1396.0	1394.5	1386.6	1374.0
25°	1315.6	1320.3	1325.1	1309.3	1299.8
27.5°	1236.7	1249.3	1254.1	1238.3	1217.8
30°	1154.7	1165.7	1175.2	1153.1	1131.0
32.5°	1036.4	1063.2	1077.4	1052.2	1001.7
35°	900.7	914.9	943.3	900.7	866.0
37.5°	743.0	750.9	773.0	744.6	720.9
40°	536.3	560.0	577.3	560.0	536.3
42.5°	241.4	337.6	381.7	356.5	252.4
45°	34.7	118.3	230.3	119.9	37.9
47.5°	14.2	18.9	119.9	17.4	14.2
50°	14.2	14.2	42.6	14.2	14.2
52.5°	14.2	14.2	15.8	14.2	14.2
55°	14.2	14.2	14.2	14.2	14.2
57.5°	12.6	12.6	14.2	12.6	12.6
60°	12.6	12.6	12.6	12.6	12.6
62.5°	11.0	12.6	12.6	12.6	11.0
65°	9.5	11.0	11.0	11.0	9.5
67.5°	9.5	9.5	9.5	9.5	9.5
70°	7.9	9.5	9.5	9.5	7.9
72.5°	7.9	7.9	7.9	7.9	7.9
75°	6.3	6.3	6.3	6.3	6.3
77.5°	4.7	6.3	6.3	6.3	4.7
80°	4.7	4.7	4.7	4.7	4.7
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)