

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: P1318572

Luminaire Tested: LDSQA3D17R609830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318572  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R609830DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

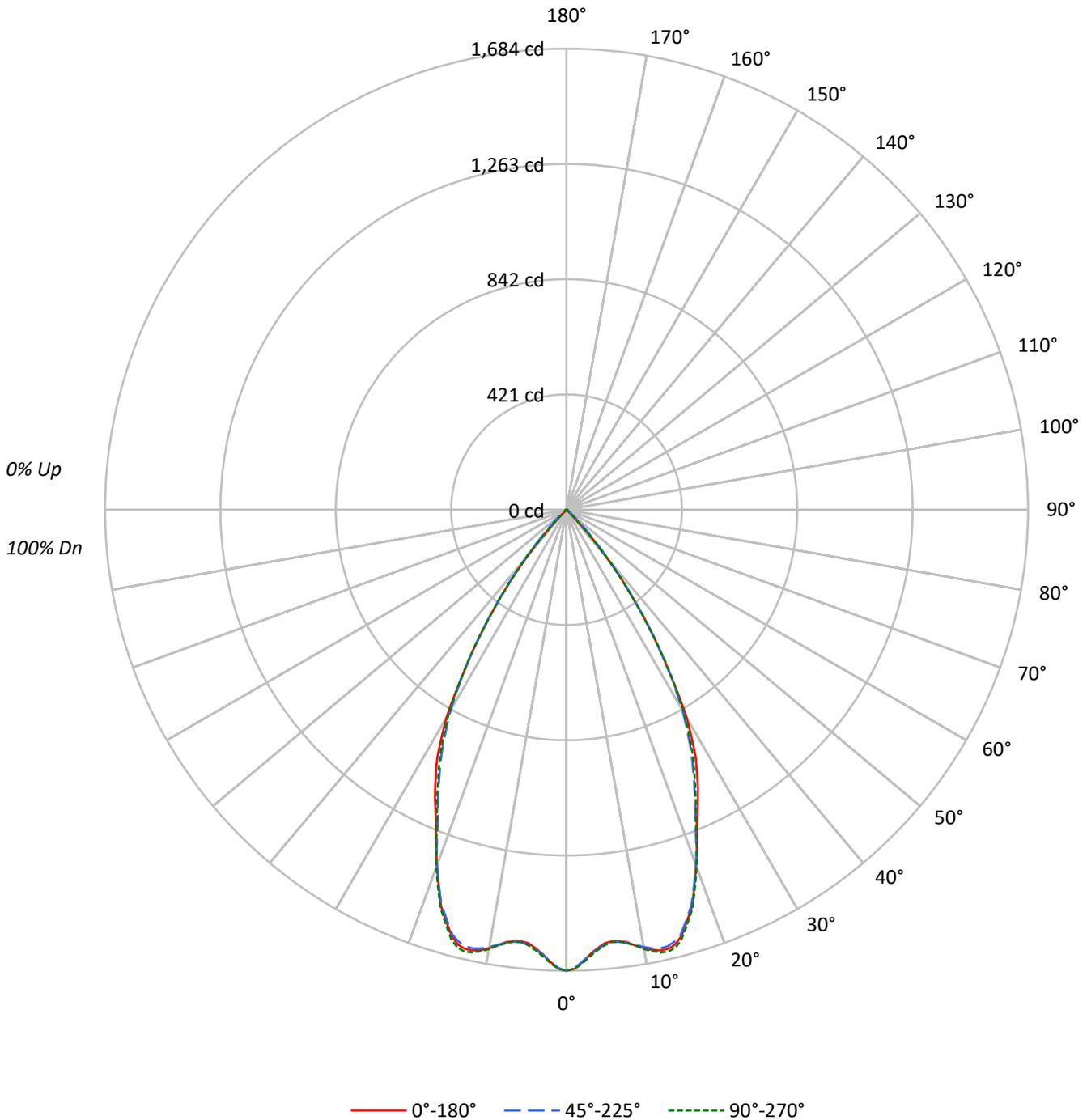
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1502.1 lumens  
Efficiency: N/A  
Efficacy: 73.6 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
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				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	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	95	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	83	85	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	78	80	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	73	75	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	68	71	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	64	67	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	60	63	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	56	60	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	53	56	53	52

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

	0°	45°	90°
0°	290023	290023	290023
5°	274863	275675	276090
10°	284424	283602	285036
15°	287880	286632	289556
20°	253488	253268	254570
25°	215718	209466	211253
30°	174107	168022	170826
35°	110189	111178	109937
40°	51506	53642	52316
45°	3142	18900	3726
50°	1581	4421	1581
55°	1772	1772	1772
60°	1619	1619	1619
65°	1426	1915	1426
70°	1762	1762	1762
75°	1597	1597	1597
80°	1190	1190	1190
85°	2371	2371	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 18900 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.4	10.2
10°-20°	442.1	29.4
20°-30°	509.5	33.9
30°-40°	327.2	21.8
40°-50°	56.9	3.8
50°-60°	5.4	0.4
60°-70°	4.1	0.3
70°-80°	2.5	0.2
80°-90°	0.8	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°	1105.0	73.6
0°-40°	1432.2	95.4
0°-60°	1494.6	99.5
0°-90°	1502.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1502.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1684	1684	1684	1684	1684	
5°	1590	1594	1595	1598	1597	153
15°	1615	1609	1608	1618	1624	442
25°	1135	1122	1102	1103	1112	518
35°	524	521	529	518	523	327
45°	13	39	78	46	15	43
55°	6	6	6	6	6	5
65°	4	5	5	5	4	4
75°	2	2	2	2	2	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1684.0	1684.0	1684.0	1684.0	1684.0
1°	1676.9	1675.7	1674.6	1675.7	1676.9
2°	1653.4	1652.2	1651.1	1655.8	1658.1
3°	1627.6	1628.7	1629.9	1632.3	1633.4
4°	1606.4	1608.7	1609.9	1612.3	1613.4
5°	1589.9	1593.5	1594.6	1598.2	1597.0
6°	1585.2	1587.6	1588.8	1589.9	1587.6
7°	1587.6	1588.8	1589.9	1592.3	1589.9
8°	1595.8	1597.0	1598.2	1599.3	1599.3
9°	1612.3	1609.9	1608.7	1613.4	1612.3
10°	1626.4	1622.9	1621.7	1628.7	1629.9
11°	1638.1	1633.4	1632.3	1640.5	1642.8
12°	1646.4	1639.3	1638.1	1648.7	1653.4
13°	1646.4	1637.0	1637.0	1648.7	1655.8
14°	1637.0	1626.4	1626.4	1639.3	1647.5
15°	1614.6	1608.7	1607.6	1618.1	1624.0
17.5°	1520.6	1513.6	1514.7	1526.5	1527.7
20°	1383.1	1379.6	1381.9	1384.3	1389.0
22.5°	1243.3	1240.9	1228.0	1231.5	1233.9
25°	1135.2	1122.2	1102.3	1103.4	1111.7
27.5°	1021.2	1008.3	980.1	985.9	994.2
30°	875.5	864.9	844.9	848.4	859.0
32.5°	687.4	708.6	689.8	695.7	692.1
35°	524.1	520.6	528.8	518.2	522.9
37.5°	369.0	370.2	373.7	364.3	364.3
40°	229.1	235.0	238.6	233.9	232.7
42.5°	96.4	131.6	138.7	131.6	97.5
45°	12.9	38.8	77.6	45.8	15.3
47.5°	5.9	8.2	41.1	8.2	5.9
50°	5.9	5.9	16.5	5.9	5.9
52.5°	5.9	5.9	5.9	5.9	5.9
55°	5.9	5.9	5.9	5.9	5.9
57.5°	5.9	5.9	5.9	5.9	5.9
60°	4.7	4.7	4.7	4.7	4.7
62.5°	4.7	4.7	4.7	4.7	4.7
65°	3.5	4.7	4.7	4.7	3.5
67.5°	3.5	3.5	3.5	3.5	3.5
70°	3.5	3.5	3.5	3.5	3.5
72.5°	2.4	2.4	2.4	2.4	2.4
75°	2.4	2.4	2.4	2.4	2.4
77.5°	2.4	2.4	2.4	2.4	2.4
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2
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)