

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: P1312797

Luminaire Tested: LDSQA3D17R709050DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312797  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R709050DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

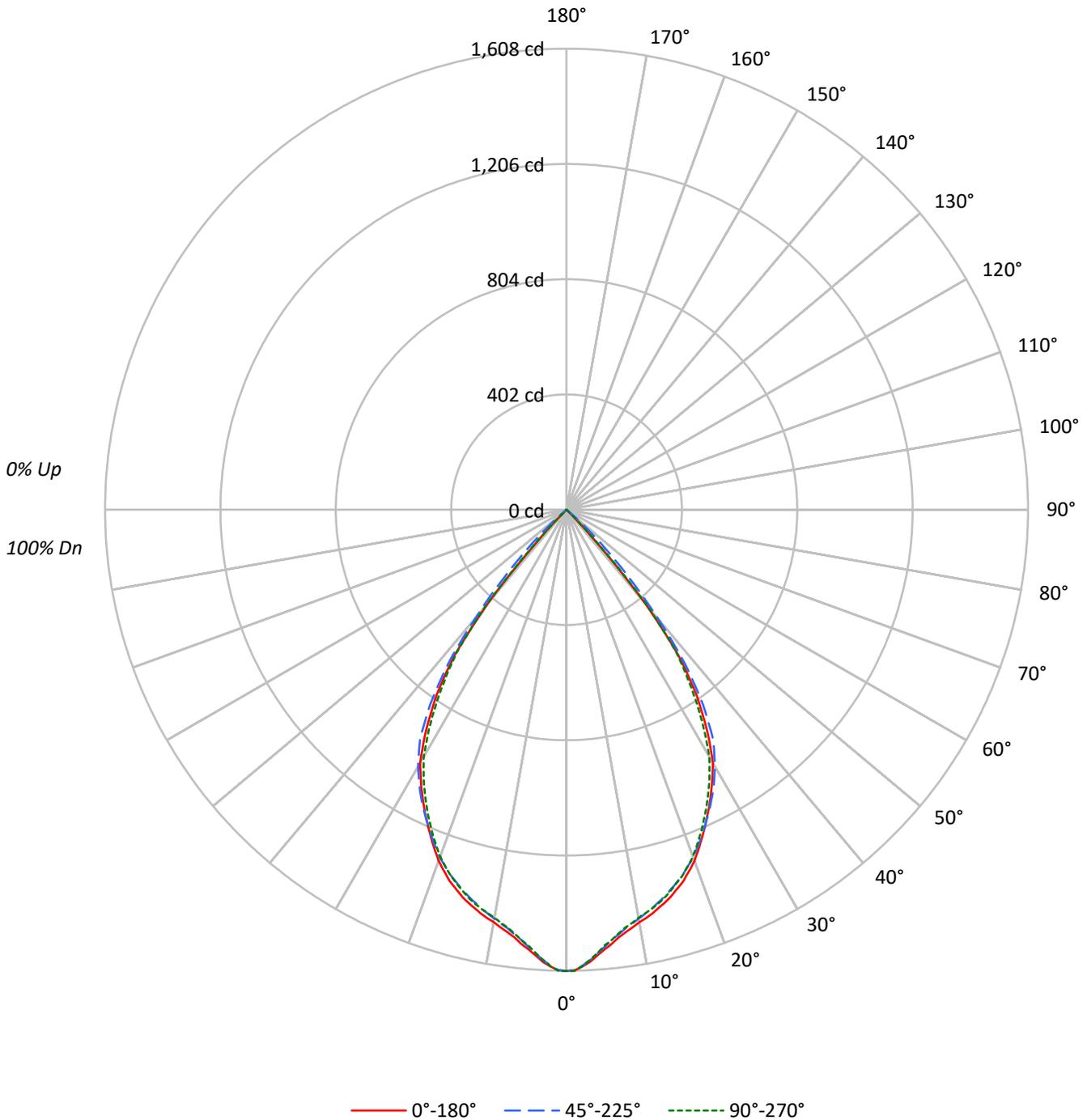
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1664.0 lumens  
Efficiency: N/A  
Efficacy: 78.5 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
Input Voltage (V): NR  
Input Current (Ain): 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	100	100	100	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93	93	93	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86	86	86	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80	80	80	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74	74	74	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68	68	68	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63	63	63	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51	51	51	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48	48	48	48

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

	0°	45°	90°
0°	277003	277003	277003
5°	265890	264438	263712
10°	255429	253225	252736
15°	249385	245873	246372
20°	238808	236499	235986
25°	221666	222217	218740
30°	202883	205687	197851
35°	165967	173957	159471
40°	95549	111354	98067
45°	1364	46276	4798
50°	0	4903	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 46276 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.5	8.6
10°-20°	388.8	23.4
20°-30°	534.2	32.1
30°-40°	484.3	29.1
40°-50°	112.6	6.8
50°-60°	0.6	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1066.5	64.1
0°-40°	1550.9	93.2
0°-60°	1664.0	100.0
0°-90°	1664.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1664.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1608	1608	1608	1608	1608	
5°	1538	1534	1530	1527	1525	144
15°	1399	1389	1379	1379	1382	392
25°	1166	1172	1169	1158	1151	535
35°	789	801	827	792	758	474
45°	6	63	190	82	20	68
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1608.4	1608.4	1608.4	1608.4	1608.4
1°	1607.0	1604.2	1605.6	1607.0	1608.4
2°	1594.3	1591.5	1591.5	1592.9	1592.9
3°	1578.8	1573.2	1573.2	1571.8	1571.8
4°	1557.7	1553.5	1550.7	1549.3	1549.3
5°	1538.0	1533.8	1529.6	1526.8	1525.4
6°	1521.2	1514.1	1508.5	1507.1	1508.5
7°	1501.5	1497.2	1491.6	1487.4	1488.8
8°	1487.4	1481.8	1474.7	1471.9	1471.9
9°	1474.7	1469.1	1462.1	1456.4	1459.2
10°	1460.6	1455.0	1448.0	1443.8	1445.2
11°	1450.8	1443.8	1435.3	1432.5	1433.9
12°	1439.5	1431.1	1422.7	1421.2	1424.1
13°	1425.5	1417.0	1408.6	1408.6	1411.4
14°	1412.8	1403.0	1394.5	1394.5	1398.7
15°	1398.7	1388.9	1379.0	1379.0	1381.8
17.5°	1356.5	1348.1	1338.2	1338.2	1339.6
20°	1303.0	1298.8	1290.4	1286.2	1287.6
22.5°	1235.5	1235.5	1231.3	1224.2	1221.4
25°	1166.5	1172.2	1169.4	1158.1	1151.1
27.5°	1094.8	1104.6	1106.0	1089.2	1076.5
30°	1020.2	1028.6	1034.3	1014.6	994.9
32.5°	910.4	935.8	949.8	923.1	882.3
35°	789.4	800.7	827.4	792.2	758.5
37.5°	641.7	655.7	678.3	650.1	630.4
40°	425.0	481.3	495.3	481.3	436.2
42.5°	153.4	270.2	325.1	275.8	180.1
45°	5.6	63.3	190.0	81.6	19.7
47.5°	0.0	1.4	85.8	2.8	0.0
50°	0.0	0.0	18.3	0.0	0.0
52.5°	0.0	0.0	1.4	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)