

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: P1317854

Luminaire Tested: LDSQA3D20R709827D010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

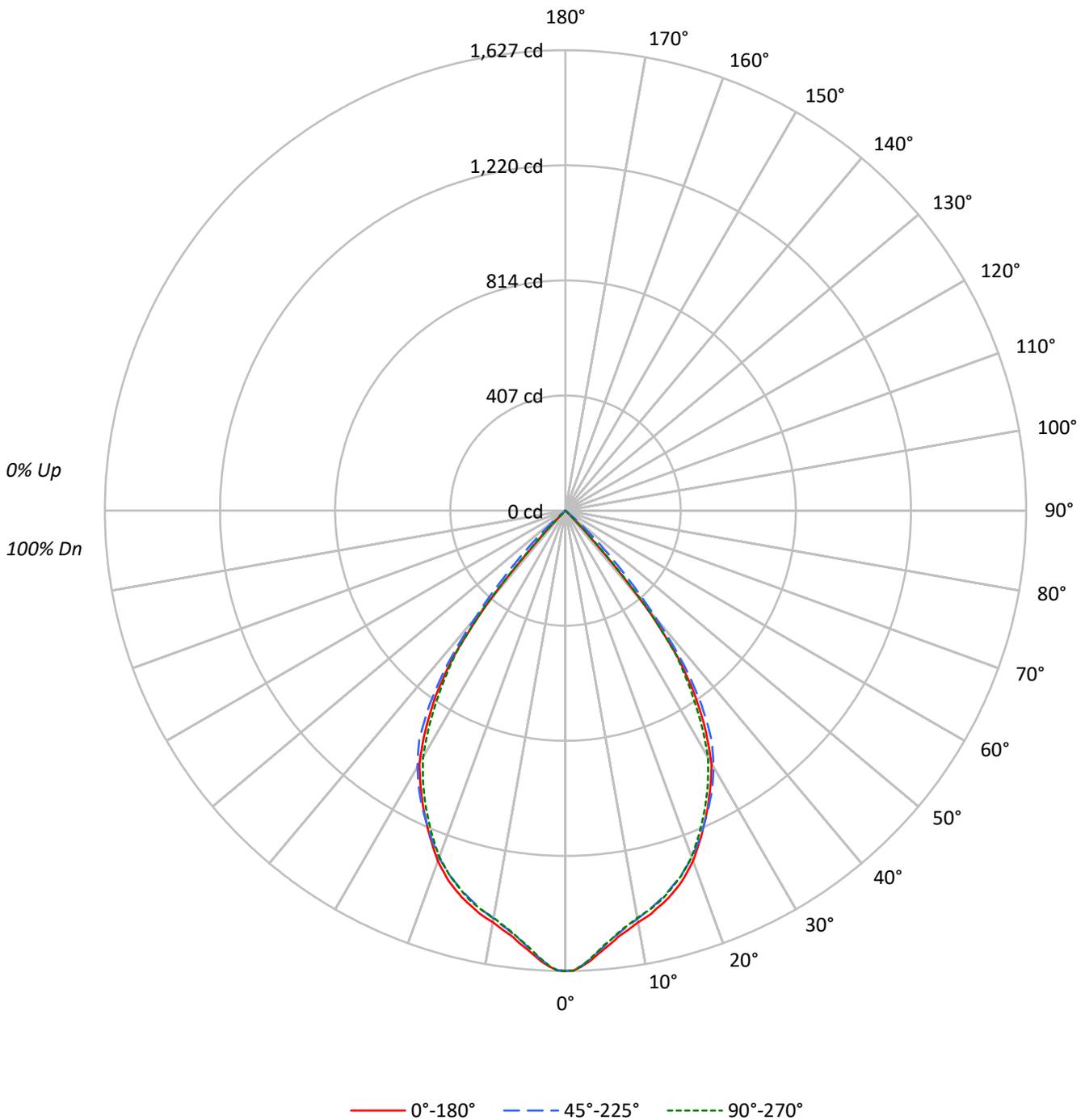
Test Method: LM-79-2019  
Report Number: P1317854  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R709827D010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1683.0 lumens  
Efficiency: N/A  
Efficacy: 61.4 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): 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

TEST NUMBER: P1317854  
CATALOG NUMBER: LDSQA3D20R709827D010 3LSQCDR1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P1317854

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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°	280172	280172	280172
5°	268933	267463	266720
10°	258349	256111	255621
15°	252238	248690	249189
20°	241539	239193	238680
25°	224212	224745	221229
30°	205209	208033	200099
35°	167860	175954	161279
40°	96628	112635	99191
45°	1388	46788	4847
50°	0	4957	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: 46788 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.1	8.6
10°-20°	393.3	23.4
20°-30°	540.3	32.1
30°-40°	489.9	29.1
40°-50°	113.8	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°	1078.7	64.1
0°-40°	1568.6	93.2
0°-60°	1683.0	100.0
0°-90°	1683.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1683.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1627	1627	1627	1627	1627	
5°	1556	1551	1547	1544	1543	146
15°	1415	1405	1395	1395	1398	397
25°	1180	1186	1183	1171	1164	541
35°	798	810	837	801	767	480
45°	6	64	192	82	20	69
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°	1626.8	1626.8	1626.8	1626.8	1626.8
1°	1625.3	1622.5	1623.9	1625.3	1626.8
2°	1612.5	1609.7	1609.7	1611.1	1611.1
3°	1596.9	1591.2	1591.2	1589.8	1589.8
4°	1575.5	1571.3	1568.4	1567.0	1567.0
5°	1555.6	1551.3	1547.1	1544.2	1542.8
6°	1538.5	1531.4	1525.7	1524.3	1525.7
7°	1518.6	1514.3	1508.6	1504.4	1505.8
8°	1504.4	1498.7	1491.6	1488.7	1488.7
9°	1491.6	1485.9	1478.7	1473.1	1475.9
10°	1477.3	1471.6	1464.5	1460.2	1461.7
11°	1467.4	1460.2	1451.7	1448.9	1450.3
12°	1456.0	1447.4	1438.9	1437.5	1440.3
13°	1441.7	1433.2	1424.7	1424.7	1427.5
14°	1428.9	1419.0	1410.4	1410.4	1414.7
15°	1414.7	1404.7	1394.8	1394.8	1397.6
17.5°	1372.0	1363.5	1353.5	1353.5	1354.9
20°	1317.9	1313.7	1305.1	1300.8	1302.3
22.5°	1249.6	1249.6	1245.3	1238.2	1235.4
25°	1179.9	1185.6	1182.7	1171.3	1164.2
27.5°	1107.3	1117.2	1118.7	1101.6	1088.8
30°	1031.9	1040.4	1046.1	1026.2	1006.2
32.5°	920.8	946.5	960.7	933.6	892.4
35°	798.4	809.8	836.9	801.3	767.1
37.5°	649.0	663.2	686.0	657.5	637.6
40°	429.8	486.7	501.0	486.7	441.2
42.5°	155.1	273.3	328.8	279.0	182.2
45°	5.7	64.0	192.1	82.5	19.9
47.5°	0.0	1.4	86.8	2.8	0.0
50°	0.0	0.0	18.5	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)