

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: P1311535

Luminaire Tested: LDSQA3D13R559040DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311535  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R559040DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

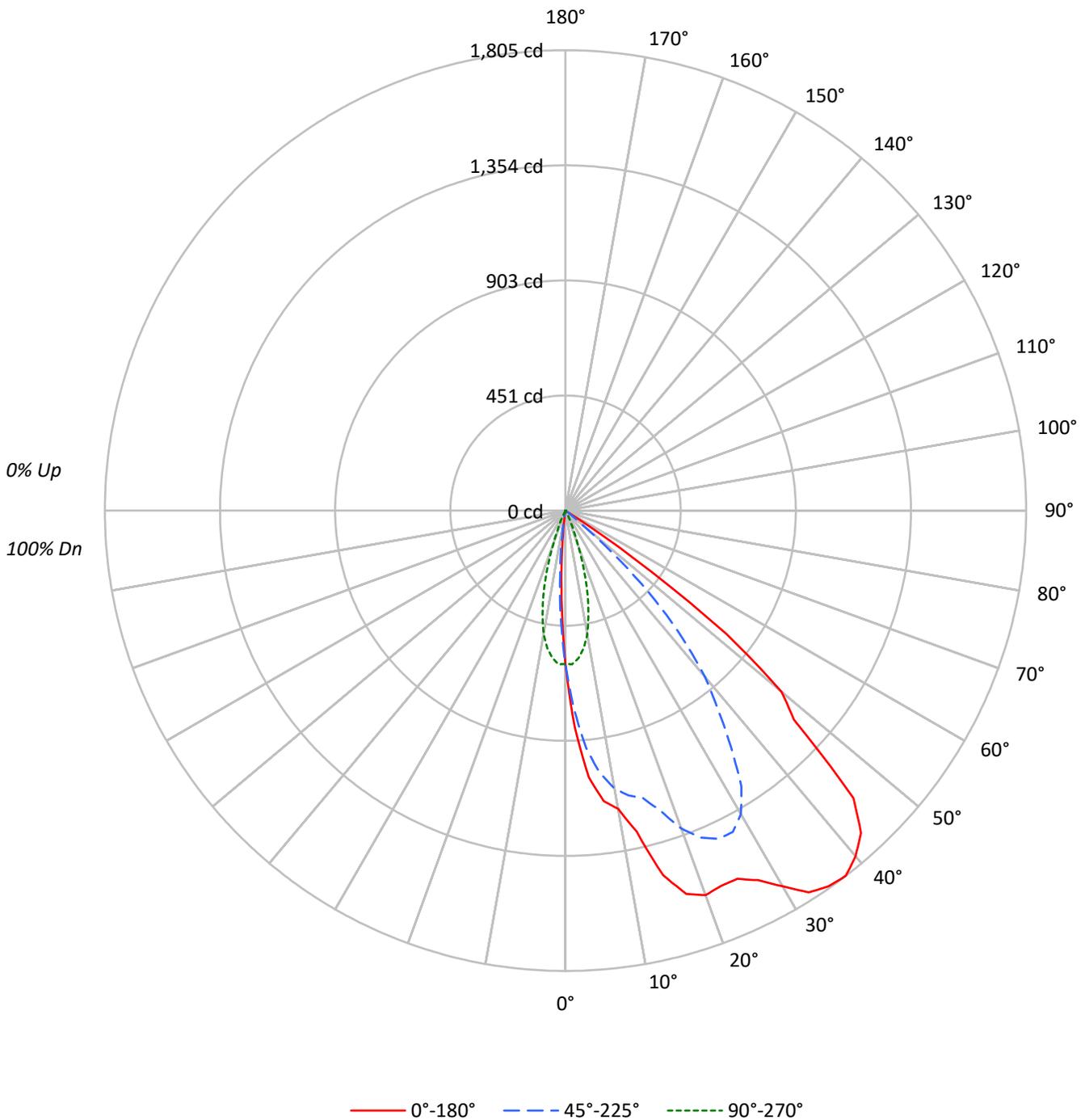
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1111.9 lumens  
Efficiency: N/A  
Efficacy: 76.2 lumens/watt  
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

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

	0°	45°	90°	135°	180°
0°	103489	103489	103489	103489	103489
5°	181386	161695	100444	41733	24030
10°	207599	193539	85901	4564	1644
15°	263828	207753	58874	927	553
20°	293992	243042	25860	0	0
25°	302636	269667	7354	0	0
30°	338111	273281	1034	0	0
35°	377894	237283	0	0	0
40°	397505	191008	0	0	0
45°	388648	120635	0	0	0
50°	295956	24650	0	0	0
55°	96954	0	0	0	0
60°	0	0	0	0	0
65°	0	408	408	0	0
70°	0	504	504	0	0
75°	0	665	665	0	0
80°	0	992	2083	992	0
85°	0	1976	1976	1976	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 388648 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.9	4.9
10°-20°	160.9	14.5
20°-30°	261.7	23.5
30°-40°	311.0	28.0
40°-50°	254.3	22.9
50°-60°	67.4	6.1
60°-70°	0.4	0.0
70°-80°	0.7	0.1
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°	477.5	42.9
0°-40°	788.4	70.9
0°-60°	1110.1	99.8
0°-90°	1111.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1111.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	601	601	601	601	601	
5°	1049	935	581	241	139	103
15°	1480	1165	330	5	3	414
25°	1593	1419	39	0	0	750
35°	1797	1129	0	0	0	1118
45°	1596	495	0	0	0	1145
55°	323	0	0	0	0	363
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	600.9	600.9	600.9	600.9	600.9	600.9	600.9	600.9	600.9	600.9	600.9
2.5°	852.7	846.5	847.5	844.4	847.5	833.9	819.3	805.7	795.2	780.6	691.8
5°	1049.2	1038.7	1035.6	1031.4	1027.2	1010.5	996.9	980.2	960.4	935.3	772.3
7.5°	1148.5	1140.1	1135.9	1138.0	1128.6	1122.3	1104.6	1085.8	1064.9	1037.7	832.9
10°	1187.1	1178.8	1177.7	1176.7	1175.6	1171.4	1163.1	1146.4	1127.6	1106.7	867.4
12.5°	1288.5	1269.7	1257.1	1242.5	1224.7	1201.8	1182.9	1168.3	1161.0	1144.3	883.0
15°	1479.7	1462.0	1448.4	1429.6	1396.1	1347.0	1302.1	1244.6	1194.4	1165.2	876.8
17.5°	1575.9	1567.5	1556.0	1543.5	1520.5	1484.9	1439.0	1378.4	1314.6	1232.1	846.5
20°	1604.1	1599.9	1591.5	1586.3	1570.6	1545.6	1514.2	1467.2	1407.6	1326.1	799.4
22.5°	1592.6	1595.7	1599.9	1613.5	1615.6	1597.8	1568.5	1523.6	1463.0	1387.8	727.3
25°	1592.6	1590.5	1590.5	1618.7	1636.5	1628.1	1607.2	1566.5	1504.8	1419.1	638.5
27.5°	1633.3	1620.8	1594.7	1623.9	1653.2	1650.1	1631.2	1583.2	1514.2	1420.2	529.8
30°	1700.2	1673.0	1630.2	1657.4	1684.5	1673.0	1642.7	1581.1	1493.3	1374.2	397.1
32.5°	1774.4	1761.9	1739.9	1757.7	1753.5	1707.5	1653.2	1567.5	1450.5	1282.2	267.5
35°	1797.4	1799.5	1784.9	1781.7	1757.7	1710.7	1653.2	1528.8	1360.6	1128.6	158.8
37.5°	1804.7	1805.8	1782.8	1753.5	1718.0	1662.6	1593.6	1449.4	1194.4	980.2	84.6
40°	1768.1	1767.1	1729.5	1693.9	1654.2	1599.9	1499.6	1282.2	1036.6	849.6	30.3
42.5°	1713.8	1700.2	1664.7	1620.8	1572.7	1504.8	1348.1	1082.6	900.8	680.3	2.1
45°	1595.7	1583.2	1555.0	1507.9	1454.6	1358.5	1110.8	930.1	732.5	495.3	0.0
47.5°	1213.2	1207.0	1236.2	1242.5	1241.5	1131.7	926.9	758.7	538.2	288.4	0.0
50°	1104.6	1096.2	1066.9	1029.3	962.4	870.5	743.0	562.2	315.6	92.0	0.0
52.5°	793.2	820.3	826.6	798.4	735.7	644.8	512.1	324.0	109.7	0.0	0.0
55°	322.9	306.2	318.7	334.4	346.9	318.7	236.2	115.0	1.0	0.0	0.0
57.5°	0.0	1.0	6.3	14.6	24.0	30.3	32.4	2.1	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	1.0	1.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	2.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	112.5°	135°	157.5°	180°
0°	600.9	600.9	600.9	600.9	600.9
2.5°	603.0	510.0	420.1	371.0	346.9
5°	581.0	389.8	241.4	167.2	139.0
7.5°	544.4	267.5	96.1	39.7	28.2
10°	491.2	153.6	26.1	10.5	9.4
12.5°	414.9	70.0	9.4	7.3	7.3
15°	330.2	24.0	5.2	4.2	3.1
17.5°	232.0	6.3	2.1	0.0	0.0
20°	141.1	1.0	0.0	0.0	0.0
22.5°	78.4	0.0	0.0	0.0	0.0
25°	38.7	0.0	0.0	0.0	0.0
27.5°	16.7	0.0	0.0	0.0	0.0
30°	5.2	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	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°	1.0	0.0	0.0	0.0	0.0
65°	1.0	1.0	0.0	0.0	0.0
67.5°	1.0	1.0	0.0	0.0	0.0
70°	1.0	1.0	0.0	0.0	0.0
72.5°	1.0	1.0	0.0	0.0	0.0
75°	1.0	1.0	0.0	0.0	0.0
77.5°	2.1	1.0	1.0	0.0	0.0
80°	2.1	1.0	1.0	0.0	0.0
82.5°	2.1	1.0	1.0	0.0	0.0
85°	1.0	1.0	1.0	0.0	0.0
87.5°	2.1	1.0	1.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)