

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: P1324103

Luminaire Tested: LDSQA3D17R559030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

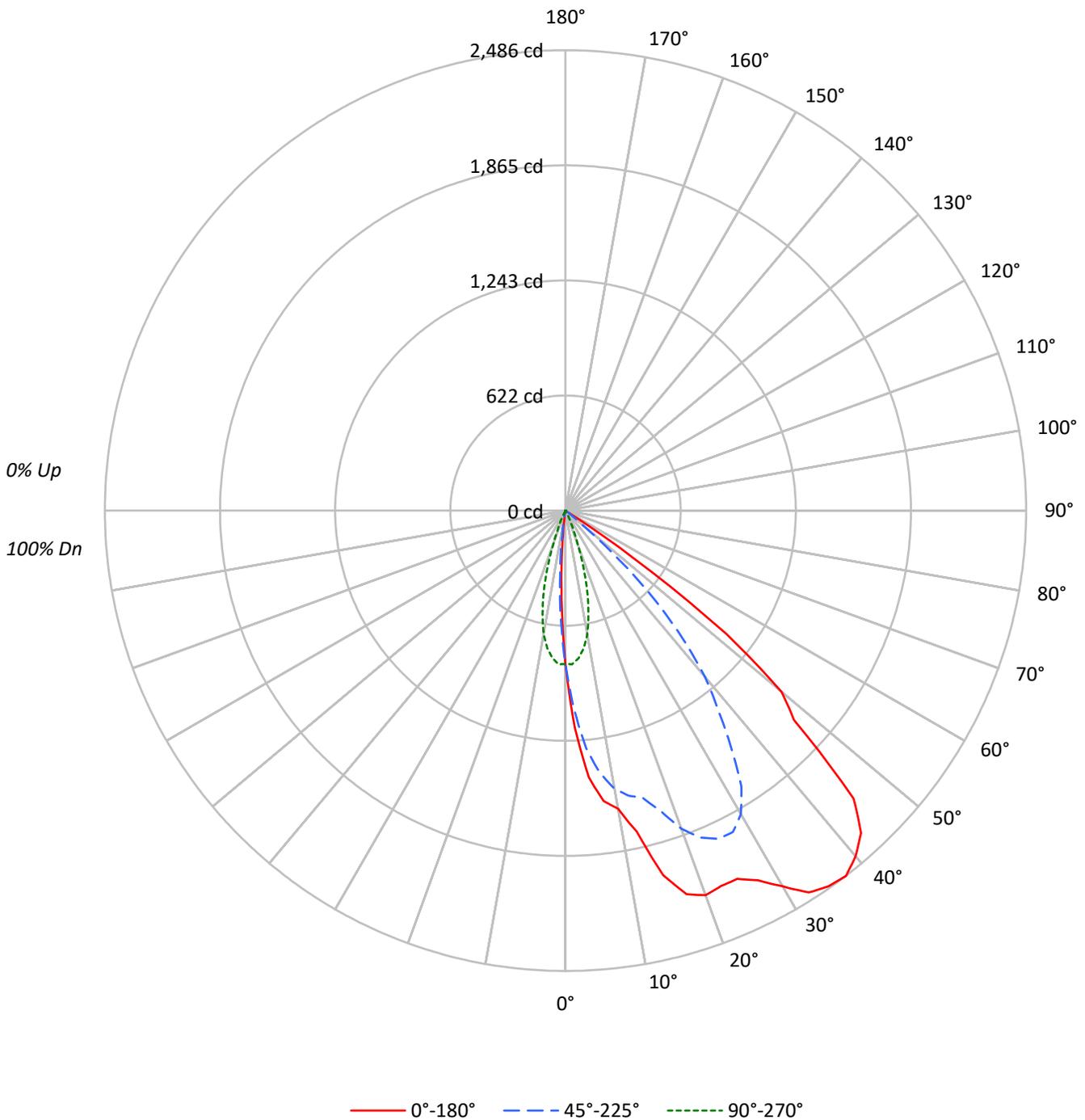
Test Method: LM-79-2019  
Report Number: P1324103  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R559030D2WDE010 3LSQCA30R 1MB  
Description: 3in Adjustable Dim to Warm LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1532.0 lumens  
Efficiency: N/A  
Efficacy: 56.1 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): 27.3  
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	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	88	86	84	82
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	81	78	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	75	71	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	64	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	47	42	38	36

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

	0°	45°	90°	135°	180°
0°	142566	142566	142566	142566	142566
5°	249899	222757	138391	57500	33107
10°	286015	266621	118341	6296	2273
15°	363478	286222	81108	1284	767
20°	405021	334844	35629	0	0
25°	416937	371521	10128	0	0
30°	465823	376492	1432	0	0
35°	520630	326910	0	0	0
40°	547663	263153	0	0	0
45°	535441	166205	0	0	0
50°	407737	33947	0	0	0
55°	133586	0	0	0	0
60°	0	0	0	0	0
65°	0	571	571	0	0
70°	0	705	705	0	0
75°	0	932	932	0	0
80°	0	1389	2876	1389	0
85°	0	2766	2766	2766	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 535441 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.6	4.9
10°-20°	221.7	14.5
20°-30°	360.5	23.5
30°-40°	428.4	28.0
40°-50°	350.3	22.9
50°-60°	92.9	6.1
60°-70°	0.6	0.0
70°-80°	0.9	0.1
80°-90°	1.1	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
<b>0°-30°</b>	<b>657.8</b>	<b>42.9</b>
<b>0°-40°</b>	<b>1086.2</b>	<b>70.9</b>
<b>0°-60°</b>	<b>1529.4</b>	<b>99.8</b>
<b>0°-90°</b>	<b>1532.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>1532.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	828	828	828	828	828	
5°	1446	1288	800	333	192	142
15°	2039	1605	455	7	4	570
25°	2194	1955	53	0	0	1033
35°	2476	1555	0	0	0	1540
45°	2198	682	0	0	0	1578
55°	445	0	0	0	0	500
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°	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8
2.5°	1174.8	1166.2	1167.6	1163.3	1167.6	1148.9	1128.7	1110.0	1095.6	1075.5	953.1
5°	1445.5	1431.1	1426.7	1421.0	1415.2	1392.2	1373.5	1350.4	1323.1	1288.5	1063.9
7.5°	1582.2	1570.7	1565.0	1567.8	1554.9	1546.2	1521.8	1495.8	1467.1	1429.6	1147.4
10°	1635.5	1624.0	1622.5	1621.1	1619.7	1613.9	1602.4	1579.3	1553.4	1524.6	1194.9
12.5°	1775.1	1749.2	1732.0	1711.8	1687.3	1655.7	1629.7	1609.6	1599.5	1576.5	1216.5
15°	2038.6	2014.1	1995.4	1969.5	1923.4	1855.8	1793.9	1714.7	1645.6	1605.3	1207.9
17.5°	2171.1	2159.5	2143.7	2126.4	2094.8	2045.8	1982.5	1899.0	1811.1	1697.4	1166.2
20°	2209.9	2204.2	2192.7	2185.5	2163.9	2129.3	2086.1	2021.3	1939.3	1827.0	1101.4
22.5°	2194.1	2198.4	2204.2	2222.9	2225.8	2201.3	2161.0	2099.1	2015.6	1911.9	1002.0
25°	2194.1	2191.2	2191.2	2230.1	2254.6	2243.0	2214.3	2158.1	2073.2	1955.1	879.7
27.5°	2250.2	2233.0	2197.0	2237.3	2277.6	2273.3	2247.4	2181.1	2086.1	1956.5	729.9
30°	2342.4	2305.0	2245.9	2283.4	2320.8	2305.0	2263.2	2178.3	2057.3	1893.2	547.1
32.5°	2444.6	2427.3	2397.1	2421.6	2415.8	2352.5	2277.6	2159.5	1998.3	1766.5	368.6
35°	2476.3	2479.2	2459.0	2454.7	2421.6	2356.8	2277.6	2106.3	1874.5	1554.9	218.8
37.5°	2486.4	2487.8	2456.1	2415.8	2366.9	2290.6	2195.5	1996.9	1645.6	1350.4	116.6
40°	2436.0	2434.5	2382.7	2333.7	2279.0	2204.2	2066.0	1766.5	1428.2	1170.5	41.8
42.5°	2361.1	2342.4	2293.4	2233.0	2166.7	2073.2	1857.2	1491.5	1241.0	937.2	2.9
45°	2198.4	2181.1	2142.3	2077.5	2004.1	1871.6	1530.4	1281.3	1009.2	682.4	0.0
47.5°	1671.5	1662.9	1703.2	1711.8	1710.4	1559.2	1277.0	1045.2	741.4	397.4	0.0
50°	1521.8	1510.2	1469.9	1418.1	1326.0	1199.3	1023.6	774.6	434.8	126.7	0.0
52.5°	1092.7	1130.2	1138.8	1099.9	1013.5	888.3	705.5	446.3	151.2	0.0	0.0
55°	444.9	421.8	439.1	460.7	478.0	439.1	325.4	158.4	1.4	0.0	0.0
57.5°	0.0	1.4	8.6	20.2	33.1	41.8	44.6	2.9	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	1.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.4	1.4	1.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	2.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	2.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
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°	827.8	827.8	827.8	827.8	827.8
2.5°	830.7	702.6	578.8	511.1	478.0
5°	800.5	537.0	332.6	230.4	191.5
7.5°	750.1	368.6	132.5	54.7	38.9
10°	676.7	211.6	36.0	14.4	13.0
12.5°	571.6	96.5	13.0	10.1	10.1
15°	454.9	33.1	7.2	5.8	4.3
17.5°	319.6	8.6	2.9	0.0	0.0
20°	194.4	1.4	0.0	0.0	0.0
22.5°	108.0	0.0	0.0	0.0	0.0
25°	53.3	0.0	0.0	0.0	0.0
27.5°	23.0	0.0	0.0	0.0	0.0
30°	7.2	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°	1.4	0.0	0.0	0.0	0.0
65°	1.4	1.4	0.0	0.0	0.0
67.5°	1.4	1.4	0.0	0.0	0.0
70°	1.4	1.4	0.0	0.0	0.0
72.5°	1.4	1.4	0.0	0.0	0.0
75°	1.4	1.4	0.0	0.0	0.0
77.5°	2.9	1.4	1.4	0.0	0.0
80°	2.9	1.4	1.4	0.0	0.0
82.5°	2.9	1.4	1.4	0.0	0.0
85°	1.4	1.4	1.4	0.0	0.0
87.5°	2.9	1.4	1.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)