

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: P1319439

Luminaire Tested: LDSQA3D17R559835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319439  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R559835DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

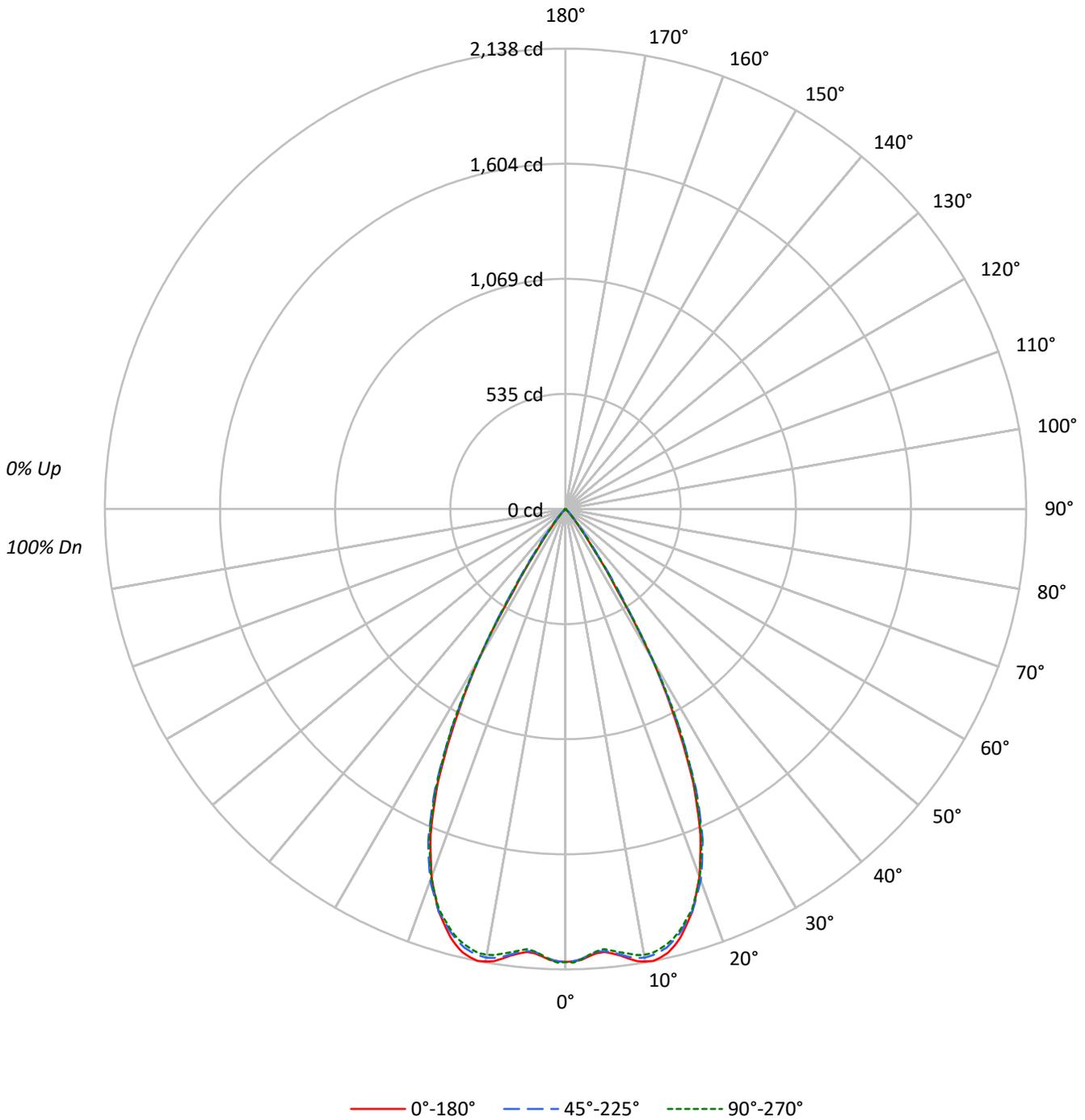
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1613.0 lumens  
Efficiency: N/A  
Efficacy: 79.1 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
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

TEST NUMBER: P1319439  
CATALOG NUMBER: LDSQA3D17R559835DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1319439

CATALOG NUMBER: LDSQA3D17R559835DE010 3LSQCDR1MW

**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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

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

	0°	45°	90°
0°	362253	362253	362253
5°	357067	356428	354734
10°	373210	369992	367632
15°	367383	364102	362569
20°	333122	336494	334020
25°	266398	271985	269420
30°	159749	159749	161698
35°	46149	54664	47705
40°	13242	17918	13242
45°	2996	6868	2996
50°	1313	2304	991
55°	1111	1111	1111
60°	1274	1274	1274
65°	1019	1019	1019
70°	1259	1259	1259
75°	799	799	799
80°	1190	1190	1190
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 6868 cd/sqm



TEST NUMBER: P1319439

CATALOG NUMBER: LDSQA3D17R559835DE010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.4	12.4
10°-20°	568.4	35.2
20°-30°	626.3	38.8
30°-40°	191.6	11.9
40°-50°	19.0	1.2
50°-60°	3.5	0.2
60°-70°	2.8	0.2
70°-80°	1.5	0.1
80°-90°	0.5	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°	1394.1	86.4
0°-40°	1585.7	98.3
0°-60°	1608.2	99.7
0°-90°	1613.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1613.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2103	2103	2103	2103	2103	
5°	2065	2065	2062	2056	2052	200
15°	2060	2057	2042	2034	2034	571
25°	1402	1415	1431	1445	1418	618
35°	220	231	260	239	227	180
45°	12	18	28	18	12	14
55°	4	4	4	4	4	3
65°	2	2	2	2	2	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1319439

CATALOG NUMBER: LDSQA3D17R559835DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2103.4	2103.4	2103.4	2103.4	2103.4
1°	2100.9	2102.2	2100.9	2098.5	2107.1
2°	2096.0	2094.8	2091.1	2089.9	2093.6
3°	2080.1	2080.1	2075.2	2072.7	2074.0
4°	2067.8	2067.8	2060.5	2058.0	2059.2
5°	2065.4	2065.4	2061.7	2055.6	2051.9
6°	2075.2	2077.6	2069.1	2062.9	2062.9
7°	2089.9	2091.1	2085.0	2076.4	2074.0
8°	2108.3	2109.5	2099.7	2089.9	2085.0
9°	2126.7	2124.2	2110.8	2100.9	2097.3
10°	2134.1	2132.8	2115.7	2105.8	2102.2
11°	2137.7	2131.6	2112.0	2103.4	2102.2
12°	2129.1	2124.2	2103.4	2094.8	2091.1
13°	2114.4	2107.1	2089.9	2081.3	2076.4
14°	2091.1	2083.8	2067.8	2058.0	2059.2
15°	2060.5	2056.8	2042.1	2033.5	2033.5
17.5°	1958.7	1961.1	1957.4	1953.8	1951.3
20°	1817.6	1827.4	1836.0	1831.1	1822.5
22.5°	1637.3	1654.5	1664.3	1666.8	1650.8
25°	1401.9	1415.3	1431.3	1444.8	1417.8
27.5°	1108.7	1121.0	1135.7	1144.3	1140.6
30°	803.3	804.6	803.3	819.3	813.1
32.5°	446.4	483.2	489.4	500.4	461.2
35°	219.5	230.6	260.0	239.2	226.9
37.5°	105.5	112.8	141.0	115.3	110.4
40°	58.9	63.8	79.7	66.2	58.9
42.5°	28.2	36.8	42.9	38.0	28.2
45°	12.3	18.4	28.2	18.4	12.3
47.5°	4.9	7.4	17.2	7.4	4.9
50°	4.9	3.7	8.6	3.7	3.7
52.5°	3.7	3.7	4.9	3.7	3.7
55°	3.7	3.7	3.7	3.7	3.7
57.5°	3.7	3.7	3.7	3.7	3.7
60°	3.7	3.7	3.7	3.7	3.7
62.5°	2.5	3.7	3.7	3.7	2.5
65°	2.5	2.5	2.5	2.5	2.5
67.5°	2.5	2.5	2.5	2.5	2.5
70°	2.5	2.5	2.5	2.5	2.5
72.5°	1.2	2.5	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1319439  
CATALOG NUMBER: LDSQA3D17R559835DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)