

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: P1308346

Luminaire Tested: LDSQA3D17R559027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308346  
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: LDSQA3D17R559027DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

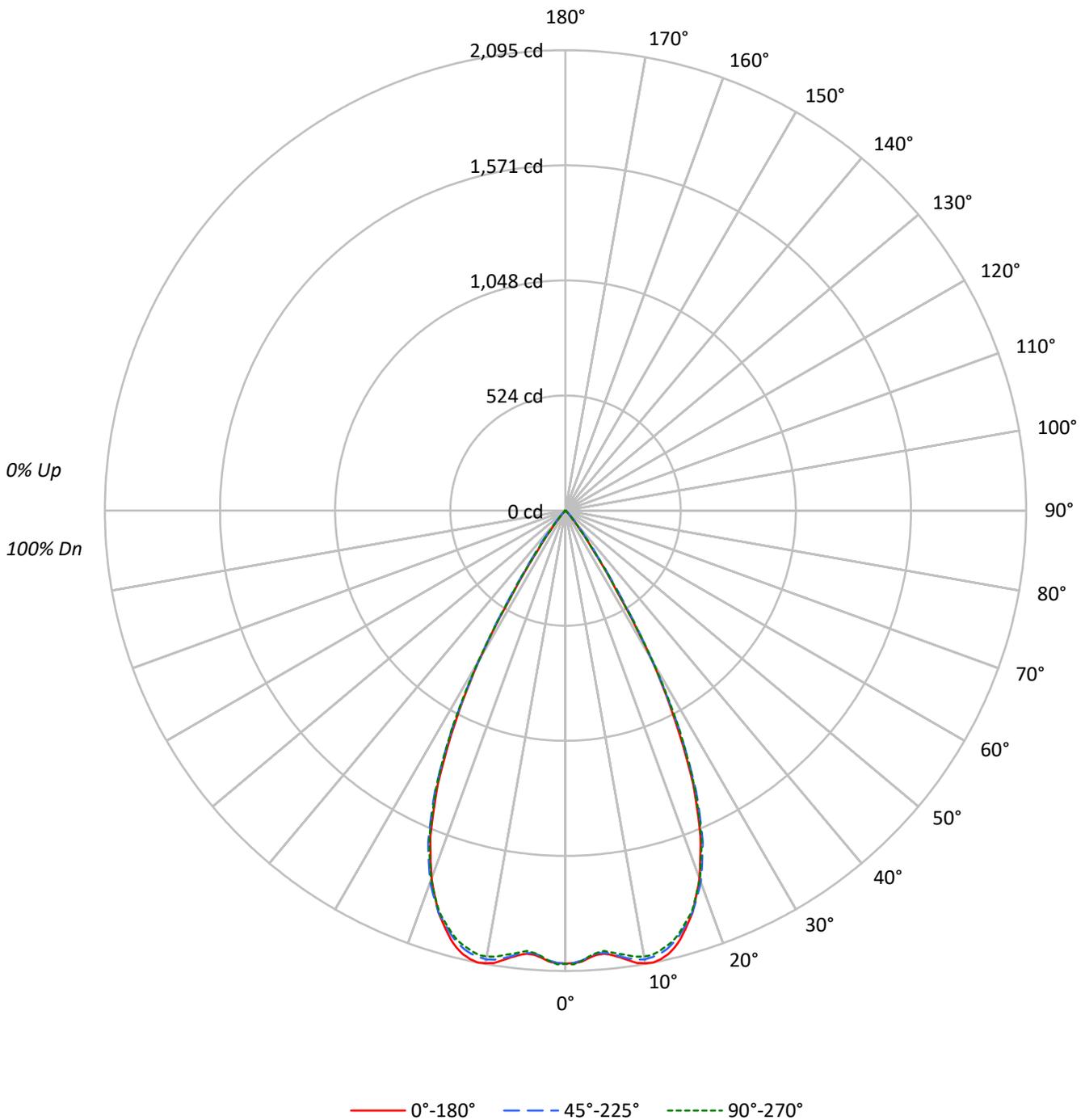
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1581.0 lumens  
Efficiency: N/A  
Efficacy: 74.6 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): 21.2  
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				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°	355071	355071	355071
5°	349979	349357	347697
10°	365795	362648	360339
15°	360091	356881	355366
20°	326524	329823	327403
25°	261097	266588	264080
30°	156587	156587	158496
35°	45245	53591	46758
40°	12972	17558	12972
45°	2923	6722	2923
50°	1286	2251	965
55°	1081	1081	1081
60°	1240	1240	1240
65°	978	978	978
70°	1209	1209	1209
75°	799	799	799
80°	1190	1190	1190
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 6722 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.5	12.4
10°-20°	557.2	35.2
20°-30°	613.9	38.8
30°-40°	187.8	11.9
40°-50°	18.6	1.2
50°-60°	3.4	0.2
60°-70°	2.7	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°	1366.5	86.4
0°-40°	1554.2	98.3
0°-60°	1576.2	99.7
0°-90°	1581.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1581.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2062	2062	2062	2062	2062	
5°	2024	2024	2021	2015	2011	196
15°	2020	2016	2002	1993	1993	560
25°	1374	1387	1403	1416	1390	605
35°	215	226	255	234	222	176
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2061.7	2061.7	2061.7	2061.7	2061.7
1°	2059.3	2060.5	2059.3	2056.9	2065.3
2°	2054.5	2053.2	2049.6	2048.4	2052.0
3°	2038.8	2038.8	2034.0	2031.6	2032.8
4°	2026.8	2026.8	2019.6	2017.2	2018.4
5°	2024.4	2024.4	2020.8	2014.8	2011.2
6°	2034.0	2036.4	2028.0	2022.0	2022.0
7°	2048.4	2049.6	2043.6	2035.2	2032.8
8°	2066.5	2067.7	2058.1	2048.4	2043.6
9°	2084.5	2082.1	2068.9	2059.3	2055.7
10°	2091.7	2090.5	2073.7	2064.1	2060.5
11°	2095.3	2089.3	2070.1	2061.7	2060.5
12°	2086.9	2082.1	2061.7	2053.2	2049.6
13°	2072.5	2065.3	2048.4	2040.0	2035.2
14°	2049.6	2042.4	2026.8	2017.2	2018.4
15°	2019.6	2016.0	2001.6	1993.1	1993.1
17.5°	1919.8	1922.2	1918.6	1915.0	1912.6
20°	1781.6	1791.2	1799.6	1794.8	1786.4
22.5°	1604.9	1621.7	1631.3	1633.7	1618.1
25°	1374.0	1387.3	1402.9	1416.1	1389.7
27.5°	1086.7	1098.8	1113.2	1121.6	1118.0
30°	787.4	788.6	787.4	803.0	797.0
32.5°	437.6	473.6	479.7	490.5	452.0
35°	215.2	226.0	254.9	234.4	222.4
37.5°	103.4	110.6	138.2	113.0	108.2
40°	57.7	62.5	78.1	64.9	57.7
42.5°	27.6	36.1	42.1	37.3	27.6
45°	12.0	18.0	27.6	18.0	12.0
47.5°	4.8	7.2	16.8	7.2	4.8
50°	4.8	3.6	8.4	3.6	3.6
52.5°	3.6	3.6	4.8	3.6	3.6
55°	3.6	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	3.6	3.6	3.6
60°	3.6	3.6	3.6	3.6	3.6
62.5°	2.4	3.6	3.6	3.6	2.4
65°	2.4	2.4	2.4	2.4	2.4
67.5°	2.4	2.4	2.4	2.4	2.4
70°	2.4	2.4	2.4	2.4	2.4
72.5°	1.2	2.4	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



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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)