

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: P1319438

Luminaire Tested: LDSQA3D17R559835DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319438  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R559835DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

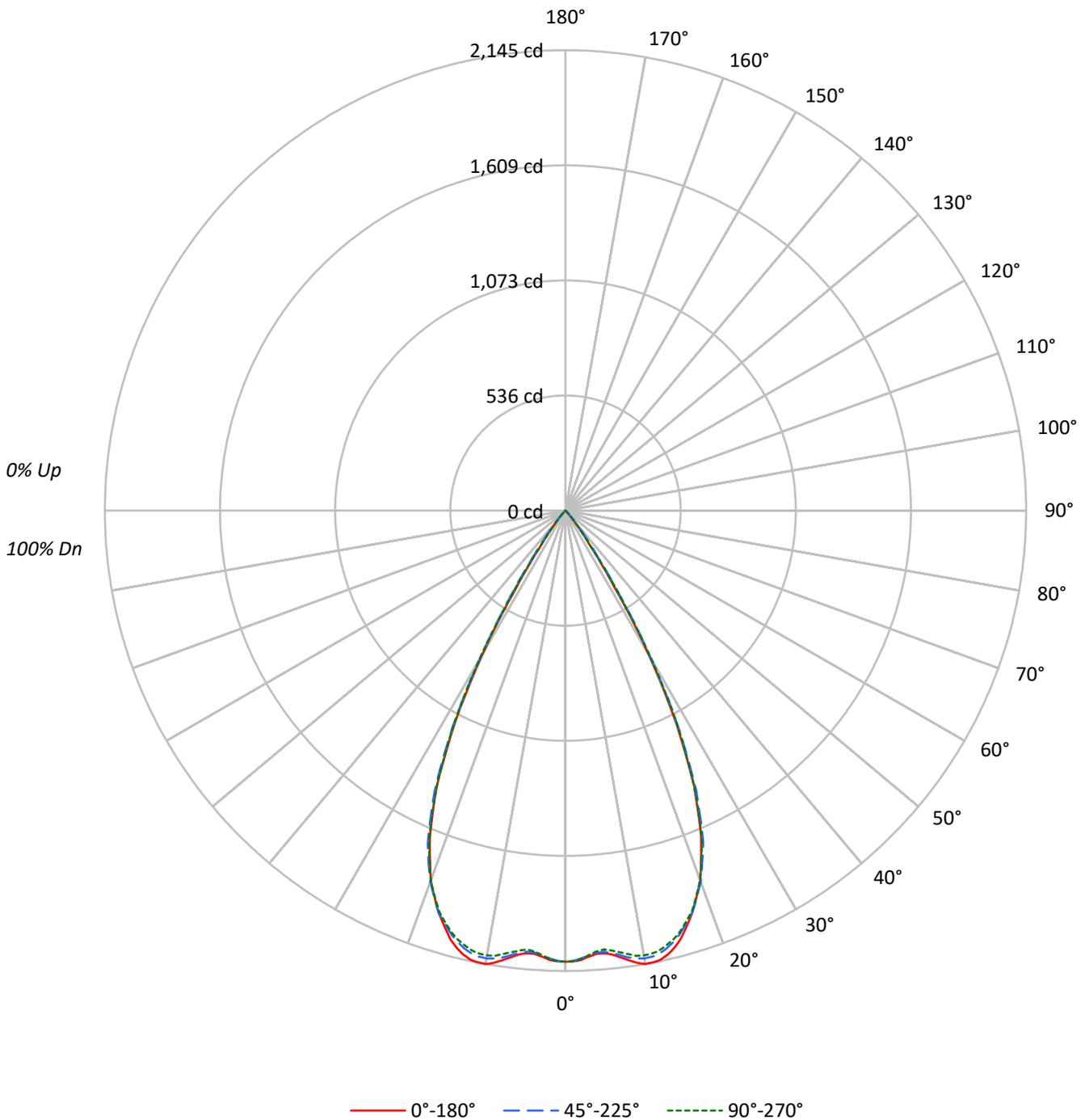
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1598.0 lumens  
Efficiency: N/A  
Efficacy: 78.3 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
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 (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	114	112	109	107	112	109	107	106	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	93	91	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

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

	0°	45°	90°
0°	361995	361995	361995
5°	357863	356808	354889
10°	375099	370587	368016
15°	368863	364923	363603
20°	335981	337337	336201
25°	269553	273733	269553
30°	154698	158615	159828
35°	44109	53150	45413
40°	11308	16277	11578
45°	1193	5675	901
50°	0	991	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: 5675 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.6	12.5
10°-20°	569.5	35.6
20°-30°	627.2	39.3
30°-40°	187.2	11.7
40°-50°	14.4	0.9
50°-60°	0.1	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°	1396.3	87.4
0°-40°	1583.5	99.1
0°-60°	1598.0	100.0
0°-90°	1598.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1598.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2102	2102	2102	2102	2102	
5°	2070	2066	2064	2055	2053	201
15°	2069	2054	2047	2038	2039	573
25°	1418	1418	1440	1438	1418	621
35°	210	223	253	231	216	173
45°	5	12	23	12	4	9
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°	2101.9	2101.9	2101.9	2101.9	2101.9
1°	2100.7	2100.7	2098.2	2097.0	2100.7
2°	2094.6	2094.6	2088.4	2087.2	2090.9
3°	2081.1	2079.8	2074.9	2071.2	2073.7
4°	2070.0	2067.6	2063.9	2057.7	2059.0
5°	2070.0	2066.3	2063.9	2055.3	2052.8
6°	2079.8	2077.4	2072.5	2063.9	2061.4
7°	2097.0	2092.1	2087.2	2076.2	2073.7
8°	2115.4	2111.7	2101.9	2090.9	2086.0
9°	2133.8	2125.2	2113.0	2101.9	2100.7
10°	2144.9	2132.6	2119.1	2105.6	2104.4
11°	2143.6	2132.6	2116.6	2104.4	2103.1
12°	2138.7	2122.8	2109.3	2094.6	2095.8
13°	2121.6	2106.8	2093.3	2082.3	2079.8
14°	2098.2	2084.7	2072.5	2061.4	2062.7
15°	2068.8	2054.1	2046.7	2038.1	2039.3
17.5°	1964.5	1960.8	1964.5	1954.7	1958.4
20°	1833.2	1829.5	1840.6	1835.7	1834.4
22.5°	1650.4	1655.3	1676.1	1670.0	1659.0
25°	1418.5	1418.5	1440.5	1438.1	1418.5
27.5°	1116.6	1125.2	1138.7	1144.8	1130.1
30°	777.9	797.6	797.6	809.8	803.7
32.5°	434.4	476.1	485.9	492.0	467.5
35°	209.8	223.3	252.8	230.7	216.0
37.5°	100.6	106.8	136.2	110.4	103.1
40°	50.3	57.7	72.4	60.1	51.5
42.5°	20.9	30.7	38.0	30.7	20.9
45°	4.9	12.3	23.3	12.3	3.7
47.5°	0.0	1.2	11.0	2.5	0.0
50°	0.0	0.0	3.7	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°	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)