

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: P1320315

Luminaire Tested: LDSQA3D17R559840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320315  
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: LDSQA3D17R559840DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

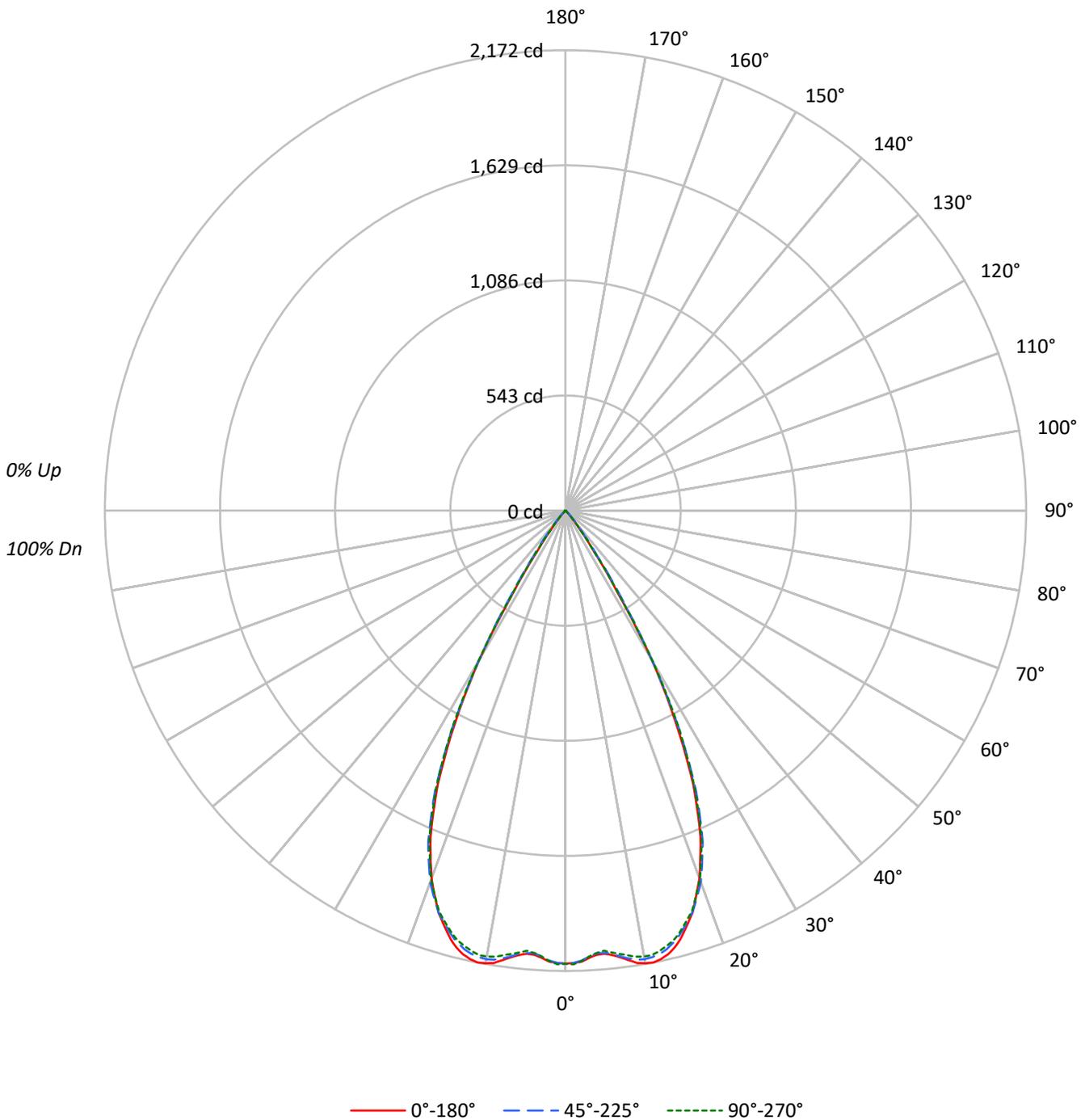
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1638.9 lumens  
Efficiency: N/A  
Efficacy: 80.3 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

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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	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°	368091	368091	368091
5°	362824	362167	360456
10°	379226	375956	373560
15°	373303	369968	368417
20°	338492	341919	339408
25°	270674	276375	273771
30°	162334	162334	164323
35°	46906	55547	48483
40°	13444	18210	13444
45°	3044	6990	3044
50°	1340	2331	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: 6990 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	202.6	12.4
10°-20°	577.6	35.2
20°-30°	636.4	38.8
30°-40°	194.6	11.9
40°-50°	19.3	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°	1416.6	86.4
0°-40°	1611.3	98.3
0°-60°	1634.1	99.7
0°-90°	1638.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1638.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2137	2137	2137	2137	2137	
5°	2099	2099	2095	2089	2085	203
15°	2094	2090	2075	2066	2066	580
25°	1424	1438	1454	1468	1441	628
35°	223	234	264	243	231	183
45°	12	19	29	19	12	15
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°	2137.3	2137.3	2137.3	2137.3	2137.3
1°	2134.8	2136.1	2134.8	2132.3	2141.0
2°	2129.8	2128.6	2124.8	2123.6	2127.3
3°	2113.6	2113.6	2108.6	2106.1	2107.4
4°	2101.2	2101.2	2093.7	2091.2	2092.4
5°	2098.7	2098.7	2094.9	2088.7	2085.0
6°	2108.6	2111.1	2102.4	2096.2	2096.2
7°	2123.6	2124.8	2118.6	2109.9	2107.4
8°	2142.3	2143.5	2133.6	2123.6	2118.6
9°	2161.0	2158.5	2144.8	2134.8	2131.1
10°	2168.5	2167.2	2149.8	2139.8	2136.1
11°	2172.2	2166.0	2146.0	2137.3	2136.1
12°	2163.5	2158.5	2137.3	2128.6	2124.8
13°	2148.5	2141.0	2123.6	2114.9	2109.9
14°	2124.8	2117.4	2101.2	2091.2	2092.4
15°	2093.7	2089.9	2075.0	2066.3	2066.3
17.5°	1990.2	1992.7	1989.0	1985.3	1982.8
20°	1846.9	1856.9	1865.6	1860.6	1851.9
22.5°	1663.7	1681.2	1691.1	1693.6	1677.4
25°	1424.4	1438.2	1454.4	1468.1	1440.7
27.5°	1126.6	1139.1	1154.0	1162.7	1159.0
30°	816.3	817.5	816.3	832.5	826.3
32.5°	453.6	491.0	497.2	508.5	468.6
35°	223.1	234.3	264.2	243.0	230.6
37.5°	107.2	114.7	143.3	117.1	112.2
40°	59.8	64.8	81.0	67.3	59.8
42.5°	28.7	37.4	43.6	38.6	28.7
45°	12.5	18.7	28.7	18.7	12.5
47.5°	5.0	7.5	17.4	7.5	5.0
50°	5.0	3.7	8.7	3.7	3.7
52.5°	3.7	3.7	5.0	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



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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)