

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: P1320313

Luminaire Tested: LDSQA3D17R559840DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320313  
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: LDSQA3D17R559840DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

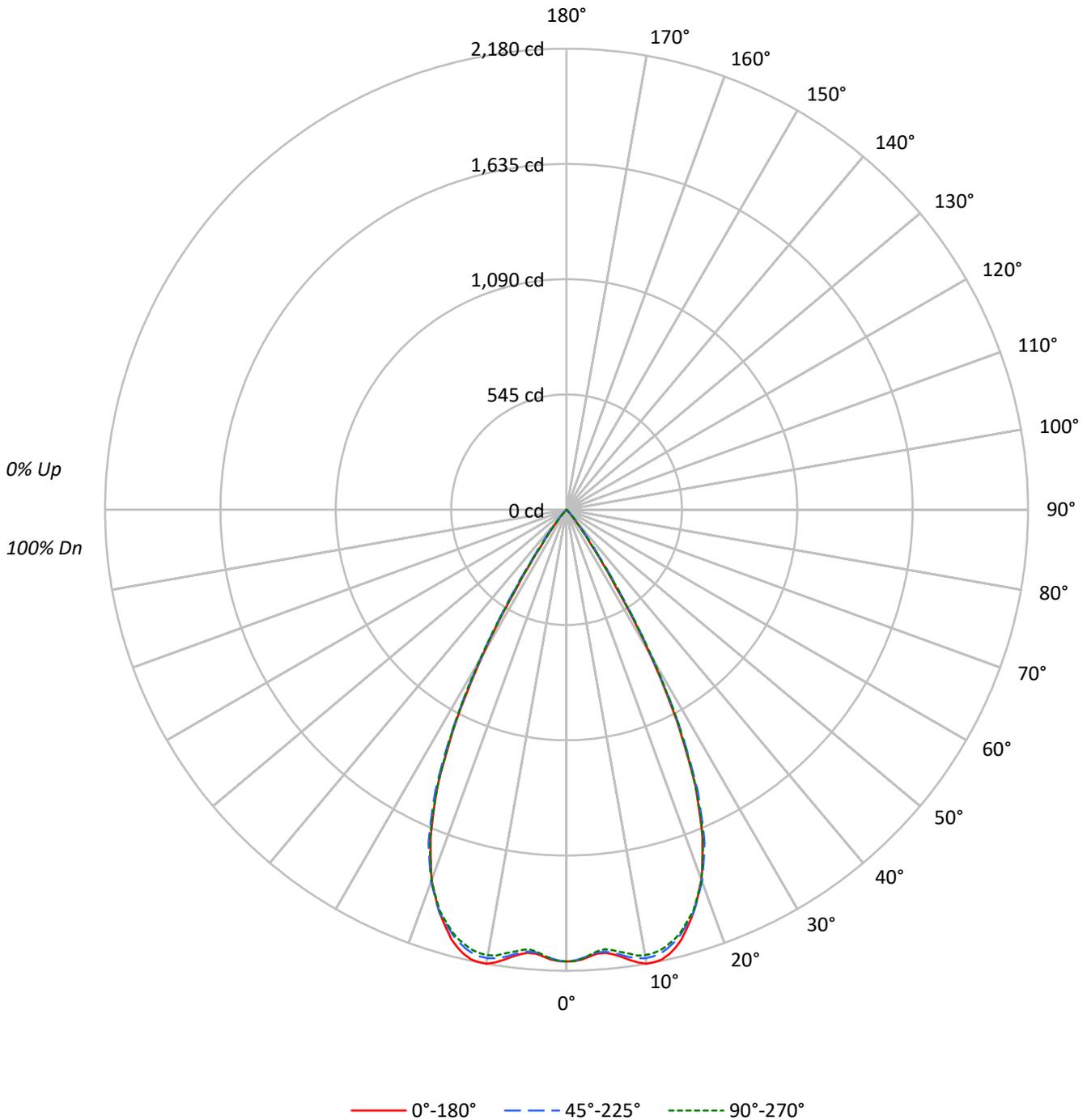
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1624.0 lumens  
Efficiency: N/A  
Efficacy: 79.6 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°	367885	367885	367885
5°	363689	362617	360663
10°	381202	376620	373997
15°	374872	370860	369523
20°	341442	342817	341681
25°	273923	278199	273923
30°	157223	161200	162433
35°	44824	54012	46149
40°	11488	16547	11781
45°	1218	5772	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: 5772 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	202.8	12.5
10°-20°	578.7	35.6
20°-30°	637.4	39.3
30°-40°	190.3	11.7
40°-50°	14.6	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°	1419.0	87.4
0°-40°	1609.3	99.1
0°-60°	1624.0	100.0
0°-90°	1624.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1624.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2136	2136	2136	2136	2136	
5°	2104	2100	2098	2089	2086	204
15°	2102	2088	2080	2071	2072	583
25°	1442	1442	1464	1462	1442	631
35°	213	227	257	234	220	176
45°	5	12	24	12	4	10
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°	2136.1	2136.1	2136.1	2136.1	2136.1
1°	2134.9	2134.9	2132.4	2131.1	2134.9
2°	2128.6	2128.6	2122.4	2121.2	2124.9
3°	2114.9	2113.7	2108.7	2104.9	2107.4
4°	2103.7	2101.2	2097.5	2091.2	2092.5
5°	2103.7	2100.0	2097.5	2088.7	2086.2
6°	2113.7	2111.2	2106.2	2097.5	2095.0
7°	2131.1	2126.1	2121.2	2109.9	2107.4
8°	2149.8	2146.1	2136.1	2124.9	2119.9
9°	2168.5	2159.8	2147.3	2136.1	2134.9
10°	2179.8	2167.3	2153.6	2139.9	2138.6
11°	2178.5	2167.3	2151.1	2138.6	2137.4
12°	2173.5	2157.3	2143.6	2128.6	2129.9
13°	2156.1	2141.1	2127.4	2116.2	2113.7
14°	2132.4	2118.7	2106.2	2095.0	2096.2
15°	2102.5	2087.5	2080.0	2071.3	2072.5
17.5°	1996.5	1992.7	1996.5	1986.5	1990.2
20°	1863.0	1859.3	1870.5	1865.5	1864.3
22.5°	1677.2	1682.2	1703.4	1697.2	1686.0
25°	1441.5	1441.5	1464.0	1461.5	1441.5
27.5°	1134.8	1143.5	1157.2	1163.5	1148.5
30°	790.6	810.6	810.6	823.0	816.8
32.5°	441.4	483.8	493.8	500.0	475.1
35°	213.2	227.0	256.9	234.4	219.5
37.5°	102.3	108.5	138.4	112.2	104.7
40°	51.1	58.6	73.6	61.1	52.4
42.5°	21.2	31.2	38.7	31.2	21.2
45°	5.0	12.5	23.7	12.5	3.7
47.5°	0.0	1.2	11.2	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)