

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: P1308335

Luminaire Tested: LDSQA3D17R509027DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308335  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R509027DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

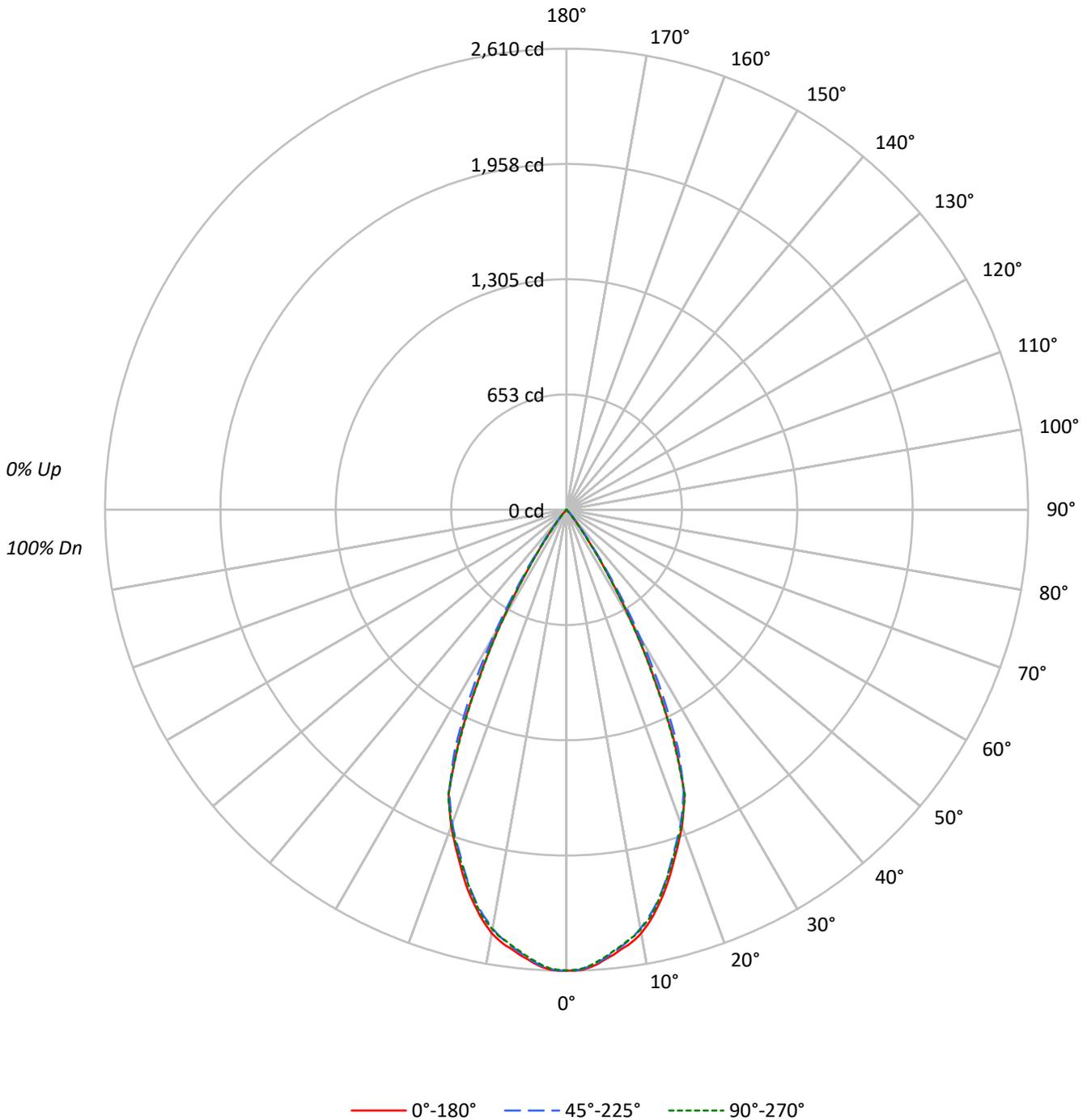
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1680.0 lumens  
Efficiency: N/A  
Efficacy: 79.2 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
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				
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	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

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

	0°	45°	90°
0°	449312	449312	449312
5°	441468	440223	438978
10°	425762	421145	421984
15°	391667	386746	387816
20°	349745	346446	348425
25°	272194	283615	269230
30°	147439	164661	144814
35°	46485	55336	45476
40°	10274	14321	9735
45°	292	4384	292
50°	0	643	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: 4384 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.0	14.2
10°-20°	607.3	36.1
20°-30°	639.6	38.1
30°-40°	182.7	10.9
40°-50°	11.3	0.7
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°	1486.0	88.4
0°-40°	1668.6	99.3
0°-60°	1680.0	100.0
0°-90°	1680.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1680.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2609	2609	2609	2609	2609	
5°	2554	2551	2546	2544	2539	240
15°	2197	2182	2169	2173	2175	612
25°	1432	1485	1492	1476	1417	627
35°	221	237	263	224	216	172
45°	1	6	18	6	1	7
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°	2608.9	2608.9	2608.9	2608.9	2608.9
1°	2610.1	2611.3	2608.9	2611.3	2605.3
2°	2606.5	2604.1	2601.7	2602.9	2599.3
3°	2593.3	2592.1	2587.3	2588.5	2583.7
4°	2576.4	2572.8	2569.2	2566.8	2562.0
5°	2553.6	2551.2	2546.4	2544.0	2539.2
6°	2534.4	2529.6	2521.2	2518.8	2514.0
7°	2509.2	2506.7	2495.9	2493.5	2491.1
8°	2489.9	2482.7	2469.5	2470.7	2464.7
9°	2464.7	2455.1	2441.9	2441.9	2443.1
10°	2434.6	2420.2	2408.2	2411.8	2413.0
11°	2395.0	2385.4	2367.4	2375.8	2375.8
12°	2351.7	2339.7	2326.5	2333.7	2338.5
13°	2301.3	2291.6	2279.6	2286.8	2284.4
14°	2252.0	2234.0	2225.6	2235.2	2231.6
15°	2196.7	2182.3	2169.1	2172.7	2175.1
17.5°	2048.9	2033.3	2023.7	2024.9	2035.7
20°	1908.3	1902.3	1890.3	1895.1	1901.1
22.5°	1742.5	1744.9	1730.4	1734.1	1748.5
25°	1432.4	1485.3	1492.5	1475.7	1416.8
27.5°	1061.1	1140.4	1164.4	1126.0	1053.9
30°	741.4	763.1	828.0	754.7	728.2
32.5°	435.0	467.5	502.3	451.8	433.8
35°	221.1	236.7	263.2	223.5	216.3
37.5°	102.1	109.4	120.2	102.1	96.1
40°	45.7	54.1	63.7	51.7	43.3
42.5°	14.4	25.2	33.6	22.8	13.2
45°	1.2	6.0	18.0	6.0	1.2
47.5°	0.0	1.2	7.2	1.2	0.0
50°	0.0	0.0	2.4	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)