

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: P1311853

Luminaire Tested: LDSQA3D20R609040D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311853  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R609040D010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

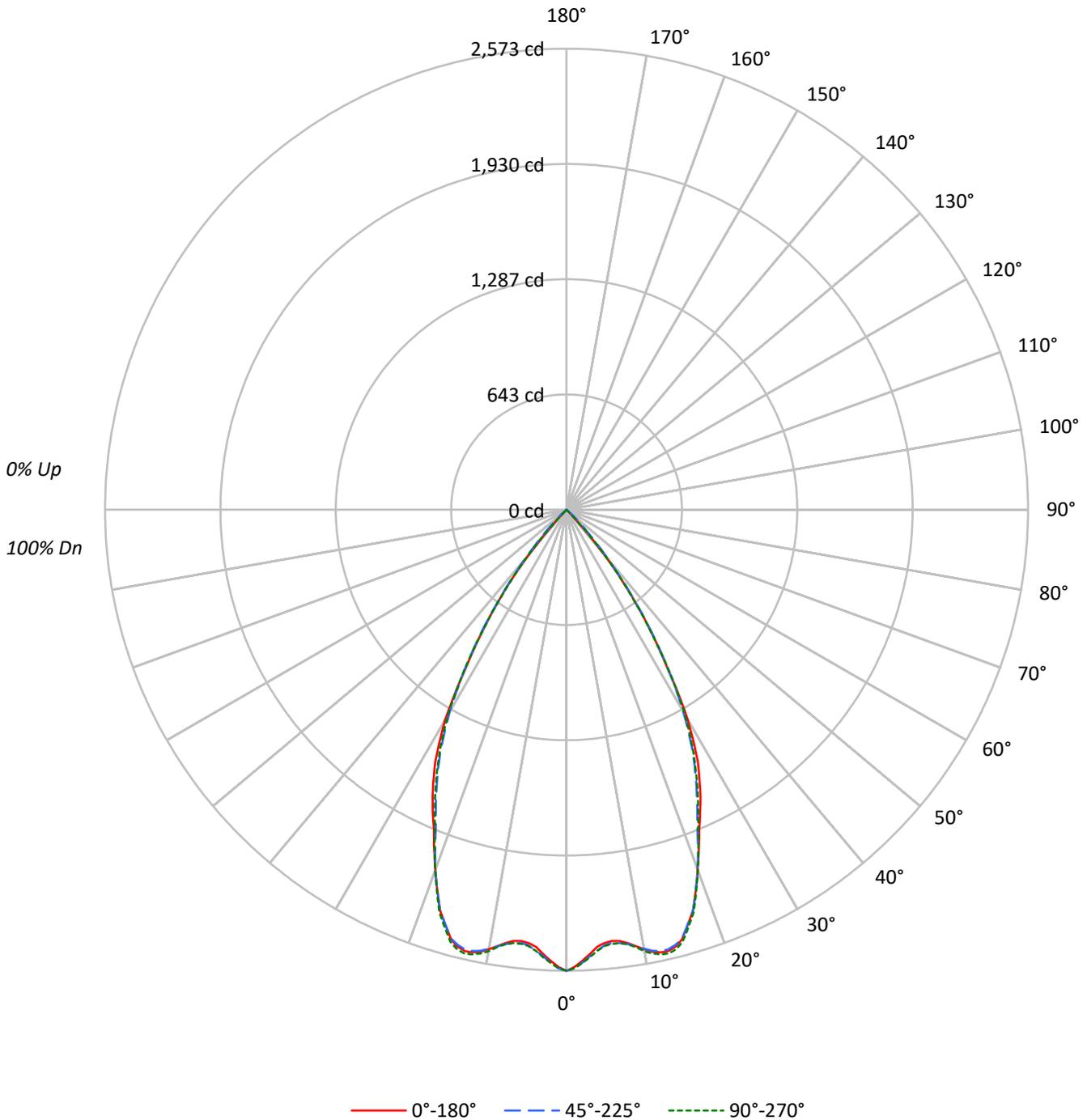
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2280.0 lumens  
Efficiency: N/A  
Efficacy: 79.2 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	88	86	84	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	75	72	69	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	68	64	61	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	64	60	57	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	61	57	54	53

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

	0°	45°	90°
0°	443094	443094	443094
5°	419650	421846	422468
10°	435625	434995	437531
15°	442839	442197	445442
20°	391898	391898	392558
25°	335834	325820	328575
30°	268667	258903	262880
35°	166682	170109	166283
40°	73179	80531	75225
45°	877	26134	2216
50°	0	2920	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: 26134 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	235.0	10.3
10°-20°	681.1	29.9
20°-30°	790.8	34.7
30°-40°	498.0	21.8
40°-50°	74.8	3.3
50°-60°	0.4	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°	1706.9	74.9
0°-40°	2204.9	96.7
0°-60°	2280.0	100.0
0°-90°	2280.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2280.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2573	2573	2573	2573	2573	
5°	2427	2436	2440	2446	2444	234
15°	2484	2475	2480	2496	2498	681
25°	1767	1747	1715	1722	1729	803
35°	793	795	809	793	791	495
45°	4	34	107	46	9	49
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°	2572.8	2572.8	2572.8	2572.8	2572.8
1°	2552.8	2560.1	2560.1	2561.9	2560.1
2°	2518.3	2529.2	2529.2	2534.6	2531.0
3°	2483.7	2492.8	2494.6	2501.9	2500.1
4°	2445.5	2460.1	2465.5	2469.2	2467.4
5°	2427.4	2436.4	2440.1	2445.5	2443.7
6°	2420.1	2427.4	2431.0	2436.4	2436.4
7°	2425.5	2431.0	2436.4	2440.1	2436.4
8°	2441.9	2447.4	2447.4	2454.6	2449.2
9°	2465.5	2467.4	2467.4	2476.4	2471.0
10°	2491.0	2487.4	2487.4	2500.1	2501.9
11°	2512.8	2509.2	2507.4	2520.1	2523.7
12°	2525.5	2518.3	2518.3	2534.6	2536.4
13°	2527.4	2518.3	2518.3	2534.6	2540.1
14°	2512.8	2501.9	2503.7	2521.9	2527.4
15°	2483.7	2474.6	2480.1	2496.4	2498.3
17.5°	2345.5	2340.1	2343.7	2354.6	2356.4
20°	2138.3	2134.6	2138.3	2138.3	2141.9
22.5°	1932.8	1923.7	1905.5	1916.4	1918.2
25°	1767.3	1747.3	1714.6	1721.9	1729.1
27.5°	1585.5	1560.0	1525.5	1534.6	1536.4
30°	1351.0	1338.2	1301.9	1311.0	1321.9
32.5°	1043.7	1078.2	1056.4	1054.6	1056.4
35°	792.8	794.6	809.1	792.8	790.9
37.5°	554.6	556.4	567.3	549.1	550.9
40°	325.5	349.1	358.2	350.9	334.6
42.5°	101.8	180.0	203.6	176.4	112.7
45°	3.6	34.5	107.3	45.5	9.1
47.5°	0.0	1.8	50.9	3.6	0.0
50°	0.0	0.0	10.9	0.0	0.0
52.5°	0.0	0.0	1.8	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)