

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: P1311691

Luminaire Tested: LDSQA3D17R509040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311691  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R509040DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

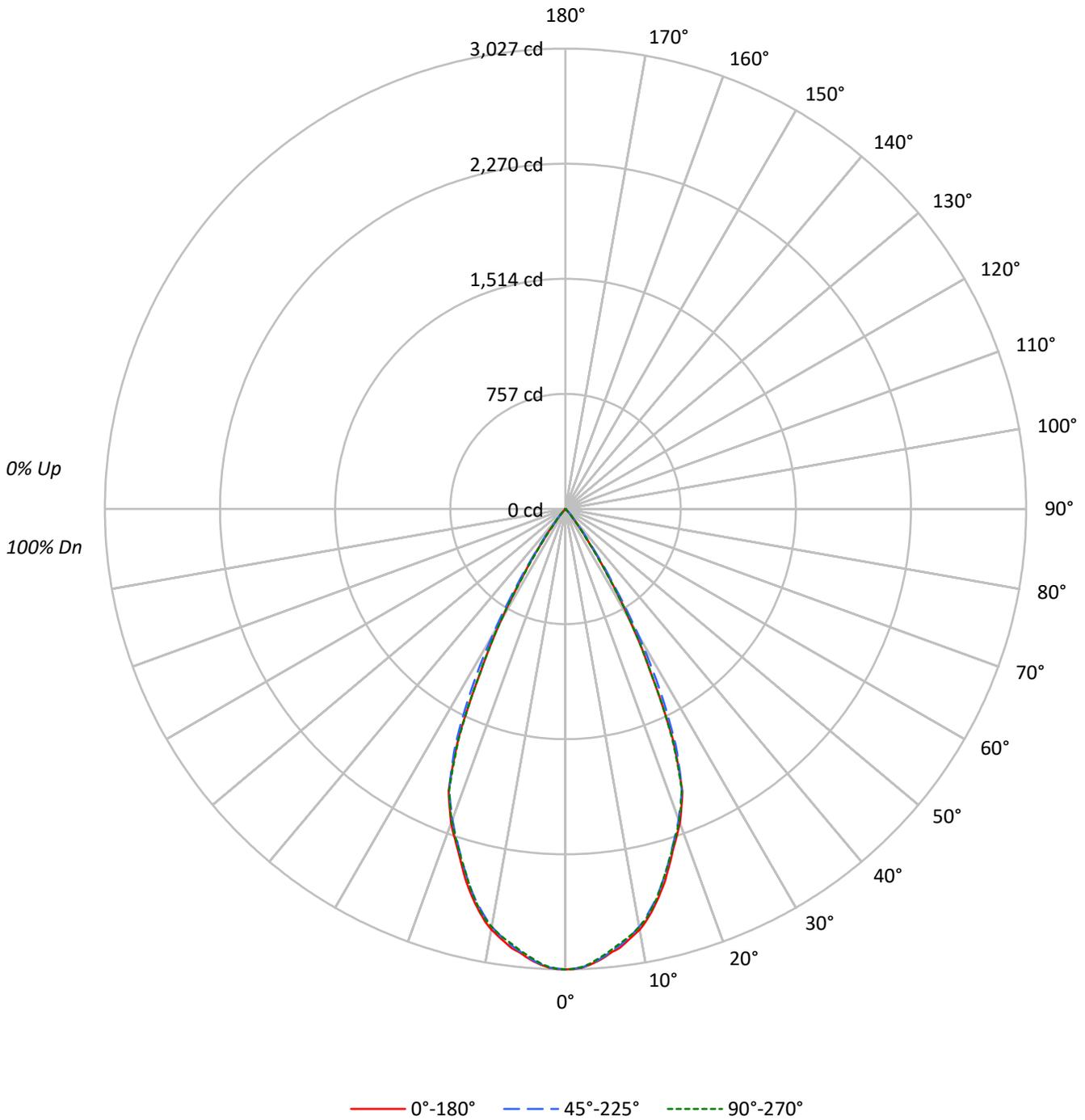
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1951.1 lumens  
Efficiency: N/A  
Efficacy: 92.0 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	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	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

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

	0°	45°	90°
0°	521387	521387	521387
5°	511173	510205	508770
10°	491166	487774	488019
15°	450880	446690	446191
20°	402821	398496	400530
25°	316584	325801	313962
30°	169374	189758	169931
35°	55315	64650	52120
40°	13692	17131	13085
45°	1681	6065	1681
50°	1125	1849	1125
55°	1261	1261	1261
60°	964	964	964
65°	1141	1141	1141
70°	705	705	705
75°	932	932	932
80°	1389	1389	1389
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 6065 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	276.8	14.2
10°-20°	700.1	35.9
20°-30°	736.4	37.7
30°-40°	212.2	10.9
40°-50°	17.2	0.9
50°-60°	3.8	0.2
60°-70°	2.7	0.1
70°-80°	1.5	0.1
80°-90°	0.4	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°	1713.3	87.8
0°-40°	1925.5	98.7
0°-60°	1946.5	99.8
0°-90°	1951.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1951.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3027	3027	3027	3027	3027	
5°	2957	2955	2951	2954	2943	278
15°	2529	2512	2505	2505	2502	704
25°	1666	1708	1714	1695	1652	722
35°	263	273	308	263	248	203
45°	7	14	25	14	7	13
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
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°	3027.4	3027.4	3027.4	3027.4	3027.4
1°	3026.0	3028.8	3023.3	3033.0	3024.6
2°	3019.1	3020.5	3017.7	3024.6	3013.6
3°	3002.5	3005.3	2999.7	3005.3	2995.6
4°	2983.1	2983.1	2977.6	2981.7	2969.3
5°	2956.8	2955.4	2951.2	2954.0	2942.9
6°	2929.1	2927.7	2920.8	2920.8	2912.5
7°	2908.3	2898.6	2893.1	2891.7	2883.4
8°	2875.1	2872.3	2861.2	2861.2	2855.7
9°	2841.8	2839.1	2826.6	2829.4	2825.2
10°	2808.6	2798.9	2789.2	2790.6	2790.6
11°	2764.3	2756.0	2742.1	2747.7	2750.4
12°	2711.7	2702.0	2689.5	2700.6	2699.2
13°	2653.5	2645.2	2635.5	2643.8	2641.0
14°	2592.6	2580.1	2571.8	2577.3	2574.6
15°	2528.8	2512.2	2505.3	2505.3	2502.5
17.5°	2350.2	2340.5	2333.6	2329.4	2339.1
20°	2197.9	2189.5	2174.3	2178.5	2185.4
22.5°	2006.7	2005.4	1997.0	1990.1	1998.4
25°	1666.0	1707.6	1714.5	1695.1	1652.2
27.5°	1210.4	1307.4	1342.0	1296.3	1217.3
30°	851.7	897.4	954.2	864.2	854.5
32.5°	513.8	526.3	578.9	516.6	502.7
35°	263.1	272.8	307.5	263.1	247.9
37.5°	123.3	128.8	142.6	123.3	114.9
40°	60.9	67.9	76.2	63.7	58.2
42.5°	26.3	34.6	44.3	33.2	23.5
45°	6.9	13.8	24.9	13.8	6.9
47.5°	4.2	5.5	13.8	5.5	4.2
50°	4.2	4.2	6.9	4.2	4.2
52.5°	4.2	4.2	4.2	4.2	4.2
55°	4.2	4.2	4.2	4.2	4.2
57.5°	4.2	4.2	4.2	4.2	4.2
60°	2.8	4.2	2.8	4.2	2.8
62.5°	2.8	2.8	2.8	2.8	2.8
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.8	2.8	2.8	2.8	2.8
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4
82.5°	0.0	1.4	0.0	1.4	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)