

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: P1314031

Luminaire Tested: LDSQA3D20R509727D010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314031  
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: LDSQA3D20R509727D010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

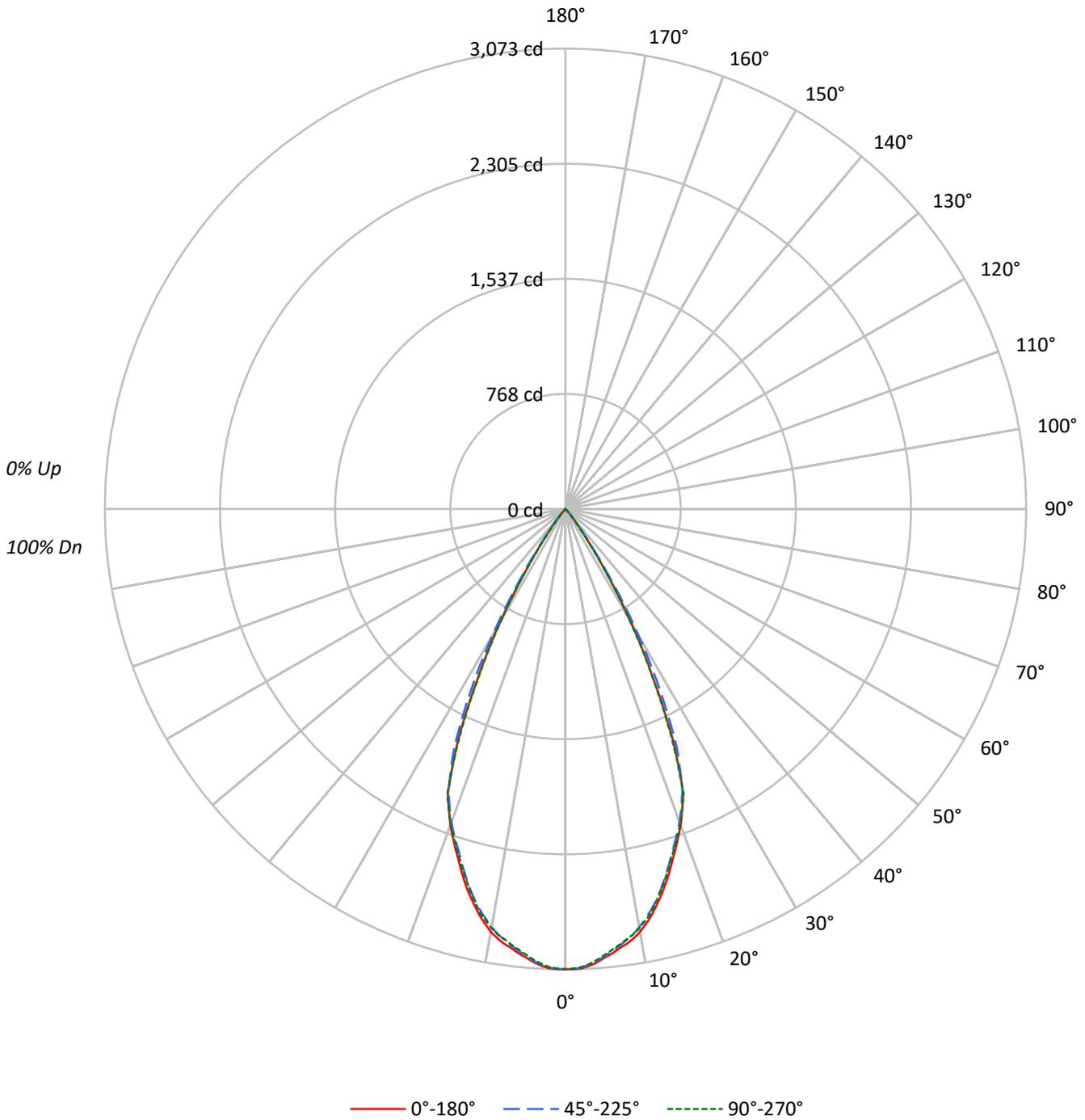
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1978.0 lumens  
Efficiency: N/A  
Efficacy: 68.7 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): 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	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°	529016	529016	529016
5°	519783	518313	516844
10°	501292	495853	496833
15°	461150	455337	456603
20°	411783	407898	410226
25°	320480	333934	316983
30°	173610	193854	170507
35°	54727	65155	53549
40°	12095	16862	11443
45°	341	5163	341
50°	0	750	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: 5163 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	281.4	14.2
10°-20°	715.0	36.1
20°-30°	753.1	38.1
30°-40°	215.1	10.9
40°-50°	13.3	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°	1749.5	88.4
0°-40°	1964.6	99.3
0°-60°	1978.0	100.0
0°-90°	1978.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1978.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3072	3072	3072	3072	3072	
5°	3007	3004	2998	2995	2990	283
15°	2586	2569	2554	2558	2561	720
25°	1686	1749	1757	1737	1668	738
35°	260	279	310	263	255	203
45°	1	7	21	7	1	8
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°	3071.7	3071.7	3071.7	3071.7	3071.7
1°	3073.1	3074.5	3071.7	3074.5	3067.4
2°	3068.8	3066.0	3063.2	3064.6	3060.3
3°	3053.3	3051.9	3046.2	3047.6	3041.9
4°	3033.5	3029.2	3025.0	3022.1	3016.5
5°	3006.6	3003.7	2998.1	2995.3	2989.6
6°	2983.9	2978.3	2968.4	2965.5	2959.9
7°	2954.2	2951.4	2938.7	2935.8	2933.0
8°	2931.6	2923.1	2907.5	2909.0	2901.9
9°	2901.9	2890.6	2875.0	2875.0	2876.4
10°	2866.5	2849.5	2835.4	2839.6	2841.0
11°	2819.8	2808.5	2787.3	2797.2	2797.2
12°	2768.9	2754.7	2739.2	2747.7	2753.3
13°	2709.5	2698.1	2684.0	2692.5	2689.6
14°	2651.4	2630.2	2620.3	2631.6	2627.4
15°	2586.4	2569.4	2553.8	2558.1	2560.9
17.5°	2412.3	2393.9	2382.6	2384.0	2396.8
20°	2246.8	2239.7	2225.6	2231.2	2238.3
22.5°	2051.5	2054.4	2037.4	2041.6	2058.6
25°	1686.5	1748.8	1757.3	1737.4	1668.1
27.5°	1249.3	1342.7	1371.0	1325.7	1240.8
30°	873.0	898.4	974.8	888.5	857.4
32.5°	512.2	550.4	591.4	532.0	510.8
35°	260.3	278.7	309.9	263.2	254.7
37.5°	120.3	128.8	141.5	120.3	113.2
40°	53.8	63.7	75.0	60.8	50.9
42.5°	17.0	29.7	39.6	26.9	15.6
45°	1.4	7.1	21.2	7.1	1.4
47.5°	0.0	1.4	8.5	1.4	0.0
50°	0.0	0.0	2.8	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)