

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: P1308483

Luminaire Tested: LDSQA3D20R509027D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308483  
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: LDSQA3D20R509027D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

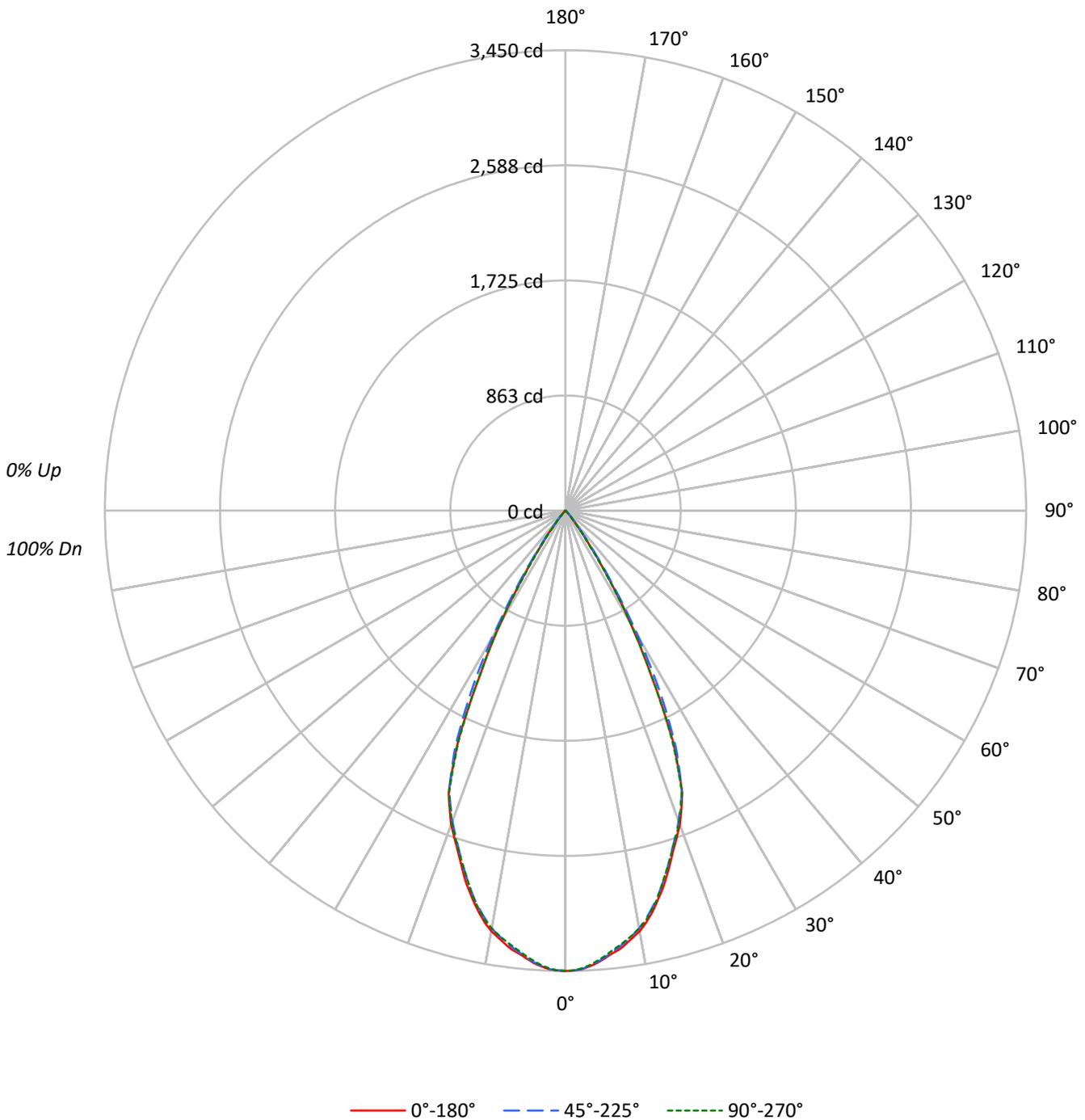
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2223.0 lumens  
Efficiency: N/A  
Efficacy: 77.2 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): 28.8  
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°	594082	594082	594082
5°	582434	581345	579703
10°	559649	555784	556047
15°	513748	508969	508399
20°	458977	454047	456374
25°	360728	371236	357725
30°	192999	216207	193616
35°	63031	73649	59394
40°	15603	19514	14906
45°	1924	6917	1924
50°	1259	2117	1259
55°	1411	1411	1411
60°	1102	1102	1102
65°	1304	1304	1304
70°	806	806	806
75°	1065	1065	1065
80°	1587	1587	1587
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 6917 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	315.4	14.2
10°-20°	797.7	35.9
20°-30°	839.1	37.7
30°-40°	241.8	10.9
40°-50°	19.6	0.9
50°-60°	4.2	0.2
60°-70°	3.1	0.1
70°-80°	1.7	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°	1952.2	87.8
0°-40°	2194.0	98.7
0°-60°	2217.8	99.8
0°-90°	2223.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2223.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3450	3450	3450	3450	3450	
5°	3369	3367	3363	3366	3353	316
15°	2881	2862	2855	2855	2851	802
25°	1898	1946	1954	1932	1882	823
35°	300	311	350	300	282	232
45°	8	16	28	16	8	15
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3449.5	3449.5	3449.5	3449.5	3449.5
1°	3447.9	3451.1	3444.8	3455.8	3446.3
2°	3440.0	3441.6	3438.4	3446.3	3433.7
3°	3421.1	3424.2	3417.9	3424.2	3413.2
4°	3399.0	3399.0	3392.7	3397.4	3383.2
5°	3369.0	3367.4	3362.7	3365.9	3353.2
6°	3337.4	3335.9	3328.0	3328.0	3318.5
7°	3313.8	3302.7	3296.4	3294.8	3285.4
8°	3275.9	3272.8	3260.1	3260.1	3253.8
9°	3238.0	3234.9	3220.7	3223.8	3219.1
10°	3200.2	3189.1	3178.1	3179.6	3179.6
11°	3149.7	3140.2	3124.4	3130.7	3133.9
12°	3089.7	3078.7	3064.5	3077.1	3075.5
13°	3023.4	3014.0	3002.9	3012.4	3009.2
14°	2954.0	2939.8	2930.3	2936.6	2933.5
15°	2881.4	2862.5	2854.6	2854.6	2851.4
17.5°	2677.8	2666.8	2658.9	2654.2	2665.2
20°	2504.3	2494.8	2477.4	2482.2	2490.1
22.5°	2286.5	2284.9	2275.5	2267.6	2277.0
25°	1898.3	1945.7	1953.6	1931.5	1882.5
27.5°	1379.2	1489.6	1529.1	1477.0	1387.1
30°	970.5	1022.5	1087.2	984.7	973.6
32.5°	585.4	599.6	659.6	588.6	572.8
35°	299.8	310.9	350.3	299.8	282.5
37.5°	140.4	146.8	162.5	140.4	131.0
40°	69.4	77.3	86.8	72.6	66.3
42.5°	30.0	39.4	50.5	37.9	26.8
45°	7.9	15.8	28.4	15.8	7.9
47.5°	4.7	6.3	15.8	6.3	4.7
50°	4.7	4.7	7.9	4.7	4.7
52.5°	4.7	4.7	4.7	4.7	4.7
55°	4.7	4.7	4.7	4.7	4.7
57.5°	4.7	4.7	4.7	4.7	4.7
60°	3.2	4.7	3.2	4.7	3.2
62.5°	3.2	3.2	3.2	3.2	3.2
65°	3.2	3.2	3.2	3.2	3.2
67.5°	3.2	3.2	3.2	3.2	3.2
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6
82.5°	0.0	1.6	0.0	1.6	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)