

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: P1319575

Luminaire Tested: LDSQA3D20R509835D010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319575  
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: LDSQA3D20R509835D010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

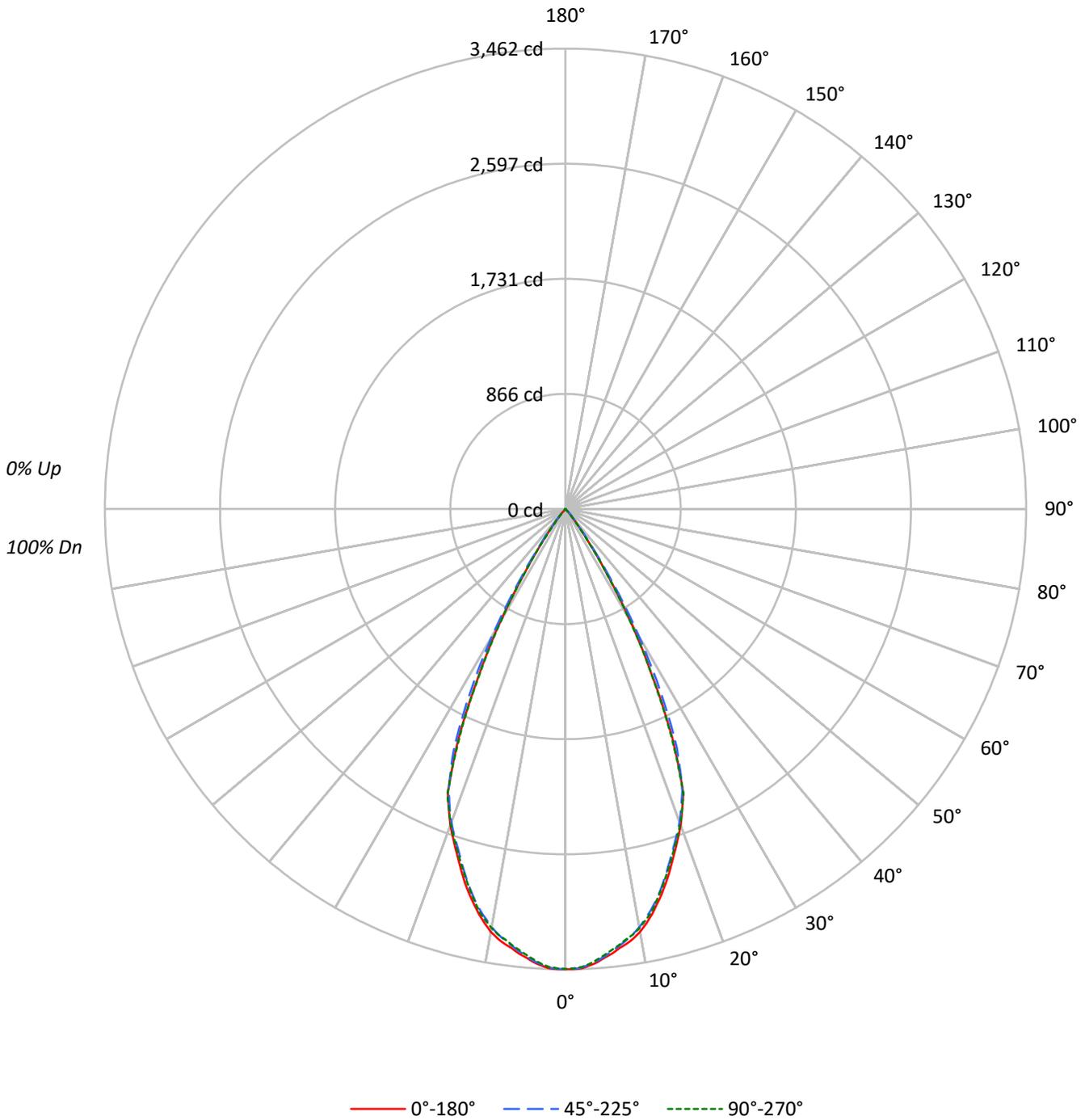
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2228.0 lumens  
Efficiency: N/A  
Efficacy: 81.3 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): 27.4  
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°	595873	595873	595873
5°	585477	583817	582175
10°	564651	558513	559632
15°	519436	512892	514318
20°	463834	459453	462074
25°	360994	376139	357060
30°	195545	218354	192064
35°	61644	73376	60319
40°	13624	18997	12905
45°	390	5821	390
50°	0	857	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: 5821 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	317.0	14.2
10°-20°	805.4	36.1
20°-30°	848.3	38.1
30°-40°	242.3	10.9
40°-50°	15.0	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°	1970.7	88.4
0°-40°	2212.9	99.3
0°-60°	2228.0	100.0
0°-90°	2228.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2228.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3460	3460	3460	3460	3460	
5°	3387	3383	3377	3374	3368	318
15°	2913	2894	2877	2881	2885	812
25°	1900	1970	1979	1957	1879	831
35°	293	314	349	296	287	229
45°	2	8	24	8	2	9
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°	3459.9	3459.9	3459.9	3459.9	3459.9
1°	3461.5	3463.1	3459.9	3463.1	3455.1
2°	3456.7	3453.5	3450.3	3451.9	3447.1
3°	3439.2	3437.6	3431.2	3432.8	3426.4
4°	3416.9	3412.1	3407.3	3404.1	3397.7
5°	3386.6	3383.4	3377.0	3373.8	3367.5
6°	3361.1	3354.7	3343.6	3340.4	3334.0
7°	3327.6	3324.4	3310.1	3306.9	3303.7
8°	3302.1	3292.6	3275.0	3276.6	3268.6
9°	3268.6	3255.9	3238.4	3238.4	3240.0
10°	3228.8	3209.7	3193.7	3198.5	3200.1
11°	3176.2	3163.5	3139.6	3150.7	3150.7
12°	3118.8	3102.9	3085.4	3094.9	3101.3
13°	3051.9	3039.2	3023.2	3032.8	3029.6
14°	2986.6	2962.7	2951.5	2964.3	2959.5
15°	2913.3	2894.1	2876.6	2881.4	2884.6
17.5°	2717.2	2696.5	2683.8	2685.4	2699.7
20°	2530.8	2522.8	2506.9	2513.2	2521.2
22.5°	2310.8	2314.0	2294.9	2299.7	2318.8
25°	1899.7	1969.8	1979.4	1957.0	1879.0
27.5°	1407.2	1512.4	1544.3	1493.3	1397.7
30°	983.3	1012.0	1098.0	1000.8	965.8
32.5°	576.9	619.9	666.2	599.2	575.3
35°	293.2	314.0	349.0	296.4	286.9
37.5°	135.5	145.0	159.4	135.5	127.5
40°	60.6	71.7	84.5	68.5	57.4
42.5°	19.1	33.5	44.6	30.3	17.5
45°	1.6	8.0	23.9	8.0	1.6
47.5°	0.0	1.6	9.6	1.6	0.0
50°	0.0	0.0	3.2	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)