

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: P1318699

Luminaire Tested: LDSQA3D20R509830D010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318699  
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: LDSQA3D20R509830D010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

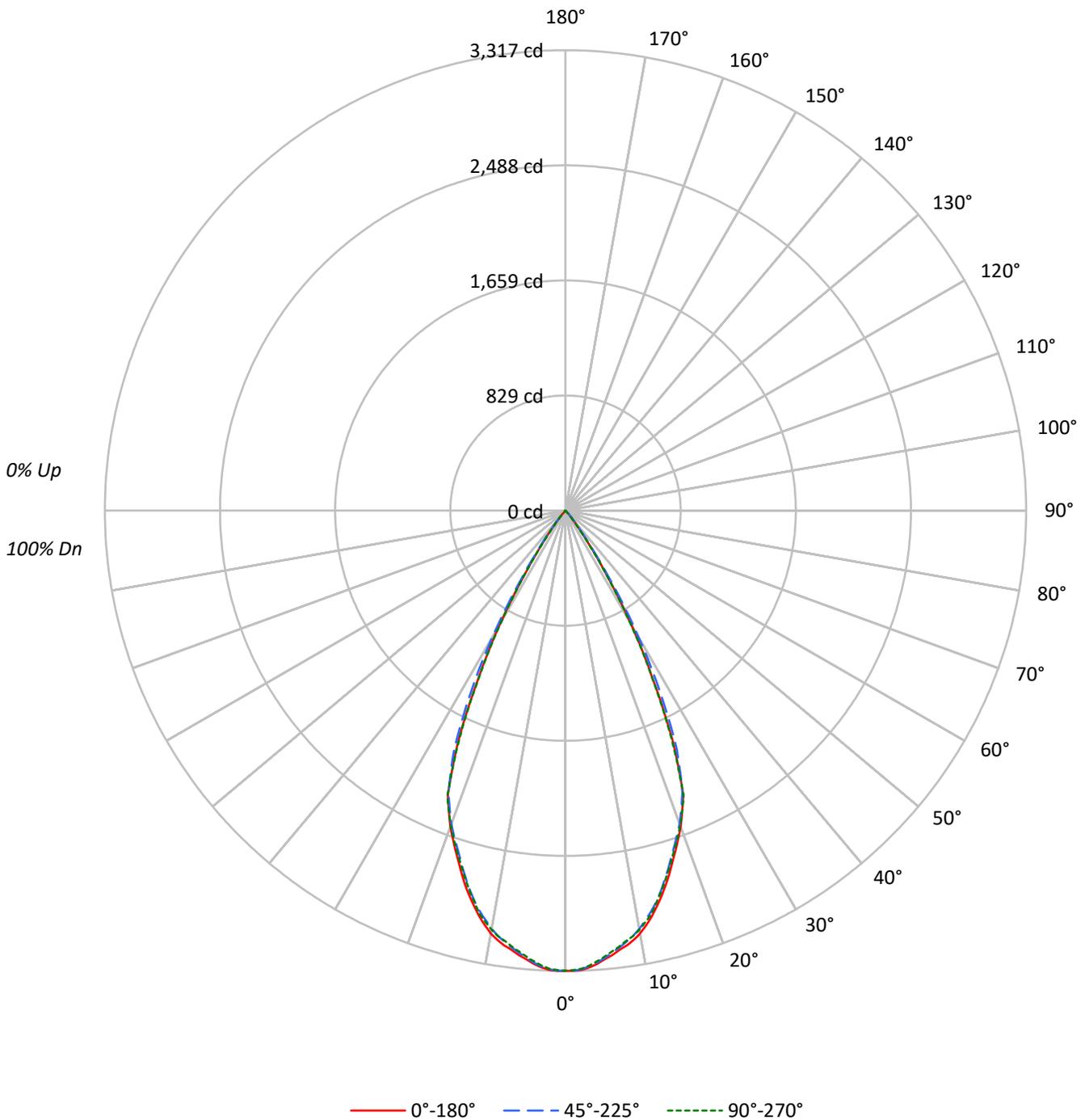
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2135.0 lumens  
Efficiency: N/A  
Efficacy: 77.9 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°	571004	571004	571004
5°	561032	559459	557868
10°	541077	535201	536268
15°	497755	491478	492851
20°	444461	440264	442794
25°	345925	360424	342143
30°	187391	209246	184050
35°	59079	70306	57796
40°	13040	18188	12365
45°	365	5578	365
50°	0	831	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: 5578 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	303.7	14.2
10°-20°	771.8	36.1
20°-30°	812.9	38.1
30°-40°	232.2	10.9
40°-50°	14.4	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°	1888.4	88.4
0°-40°	2120.5	99.3
0°-60°	2135.0	100.0
0°-90°	2135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2135.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3316	3316	3316	3316	3316	
5°	3245	3242	3236	3233	3227	305
15°	2792	2773	2756	2761	2764	778
25°	1820	1888	1897	1875	1800	796
35°	281	301	334	284	275	219
45°	2	8	23	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°	3315.5	3315.5	3315.5	3315.5	3315.5
1°	3317.0	3318.5	3315.5	3318.5	3310.9
2°	3312.4	3309.4	3306.3	3307.8	3303.3
3°	3295.6	3294.1	3288.0	3289.5	3283.4
4°	3274.2	3269.7	3265.1	3262.0	3255.9
5°	3245.2	3242.2	3236.1	3233.0	3226.9
6°	3220.8	3214.7	3204.0	3200.9	3194.8
7°	3188.7	3185.7	3171.9	3168.9	3165.8
8°	3164.3	3155.1	3138.3	3139.8	3132.2
9°	3132.2	3120.0	3103.2	3103.2	3104.7
10°	3094.0	3075.7	3060.4	3065.0	3066.5
11°	3043.6	3031.4	3008.5	3019.2	3019.2
12°	2988.7	2973.4	2956.6	2965.7	2971.9
13°	2924.5	2912.3	2897.0	2906.2	2903.1
14°	2861.9	2839.0	2828.3	2840.5	2835.9
15°	2791.7	2773.3	2756.5	2761.1	2764.2
17.5°	2603.8	2584.0	2571.7	2573.3	2587.0
20°	2425.1	2417.5	2402.2	2408.3	2416.0
22.5°	2214.4	2217.4	2199.1	2203.7	2222.0
25°	1820.4	1887.6	1896.7	1875.4	1800.5
27.5°	1348.5	1449.3	1479.8	1431.0	1339.3
30°	942.3	969.7	1052.2	959.1	925.5
32.5°	552.8	594.1	638.4	574.2	551.3
35°	281.0	300.9	334.4	284.1	274.9
37.5°	129.8	139.0	152.7	129.8	122.2
40°	58.0	68.7	80.9	65.7	55.0
42.5°	18.3	32.1	42.8	29.0	16.8
45°	1.5	7.6	22.9	7.6	1.5
47.5°	0.0	1.5	9.2	1.5	0.0
50°	0.0	0.0	3.1	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)