

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: P1317480

Luminaire Tested: LDSQA3D13R309827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317480  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R309827DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

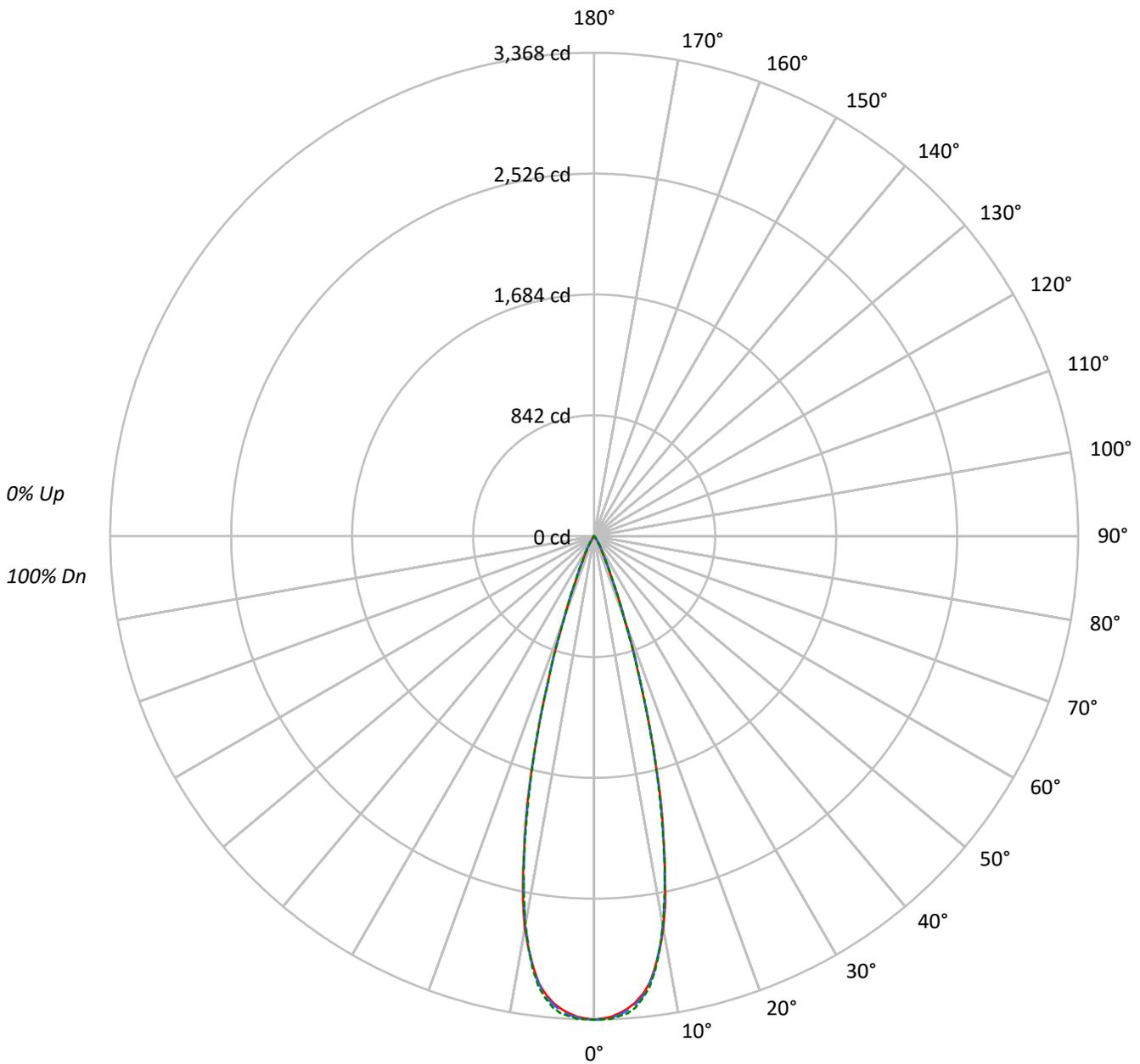
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 876.1 lumens  
Efficiency: N/A  
Efficacy: 60.4 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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



0% Up  
100% Dn

— 0°-180°    - - 45°-225°    - · - · 90°-270°



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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	100	100	100	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	97	97	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	94	94	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	93	92	91	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

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

	0°	45°	90°
0°	580080	580080	580080
5°	564196	566650	570143
10°	485151	481006	481478
15°	298096	295689	295939
20°	113448	113704	111596
25°	36086	38005	36219
30°	14517	18017	14915
35°	4688	7947	4688
40°	2136	3485	2136
45°	828	1486	828
50°	375	723	375
55°	420	420	420
60°	482	482	482
65°	285	285	285
70°	352	352	352
75°	466	466	466
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1486 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	297.1	33.9
10°-20°	440.8	50.3
20°-30°	109.5	12.5
30°-40°	21.9	2.5
40°-50°	4.0	0.5
50°-60°	1.3	0.1
60°-70°	0.9	0.1
70°-80°	0.6	0.1
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°	847.4	96.7
0°-40°	869.2	99.2
0°-60°	874.5	99.8
0°-90°	876.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	876.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3368	3368	3368	3368	3368	
5°	3264	3274	3278	3282	3298	297
15°	1672	1675	1658	1664	1660	442
25°	190	194	200	197	191	106
35°	22	29	38	28	22	18
45°	3	4	6	5	3	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
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°	3368.2	3368.2	3368.2	3368.2	3368.2
1°	3360.8	3364.8	3367.5	3367.5	3367.5
2°	3351.3	3354.0	3358.1	3358.7	3364.2
3°	3329.0	3335.1	3341.9	3345.9	3348.6
4°	3302.0	3310.1	3314.1	3324.3	3333.1
5°	3263.5	3274.3	3277.7	3282.4	3297.9
6°	3211.4	3219.5	3226.3	3228.3	3237.8
7°	3142.5	3146.5	3145.2	3148.6	3165.5
8°	3037.7	3039.1	3050.6	3043.1	3054.6
9°	2913.4	2908.0	2905.3	2910.7	2911.4
10°	2774.2	2755.9	2750.5	2745.8	2753.2
11°	2593.7	2570.1	2572.1	2570.8	2559.9
12°	2369.4	2366.7	2349.1	2352.5	2368.7
13°	2140.3	2145.0	2141.6	2145.7	2127.4
14°	1925.4	1902.4	1908.5	1885.5	1894.3
15°	1671.9	1675.3	1658.4	1663.8	1659.8
17.5°	1070.5	1077.9	1072.5	1067.8	1075.2
20°	619.0	618.4	620.4	614.3	608.9
22.5°	325.7	330.5	336.6	337.2	341.3
25°	189.9	194.0	200.0	197.3	190.6
27.5°	116.2	123.7	133.1	126.4	118.3
30°	73.0	79.1	90.6	79.7	75.0
32.5°	41.2	50.0	59.5	50.0	41.2
35°	22.3	29.1	37.8	28.4	22.3
37.5°	14.9	16.9	25.0	16.9	14.9
40°	9.5	11.5	15.5	11.5	9.5
42.5°	5.4	7.4	8.8	7.4	5.4
45°	3.4	4.1	6.1	4.7	3.4
47.5°	1.4	2.0	4.1	2.0	2.0
50°	1.4	1.4	2.7	1.4	1.4
52.5°	1.4	1.4	1.4	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	1.4
60°	1.4	1.4	1.4	1.4	1.4
62.5°	1.4	1.4	1.4	1.4	1.4
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
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)