

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: P1319086

Luminaire Tested: LDSQA3D09R309835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319086  
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: LDSQA3D09R309835DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

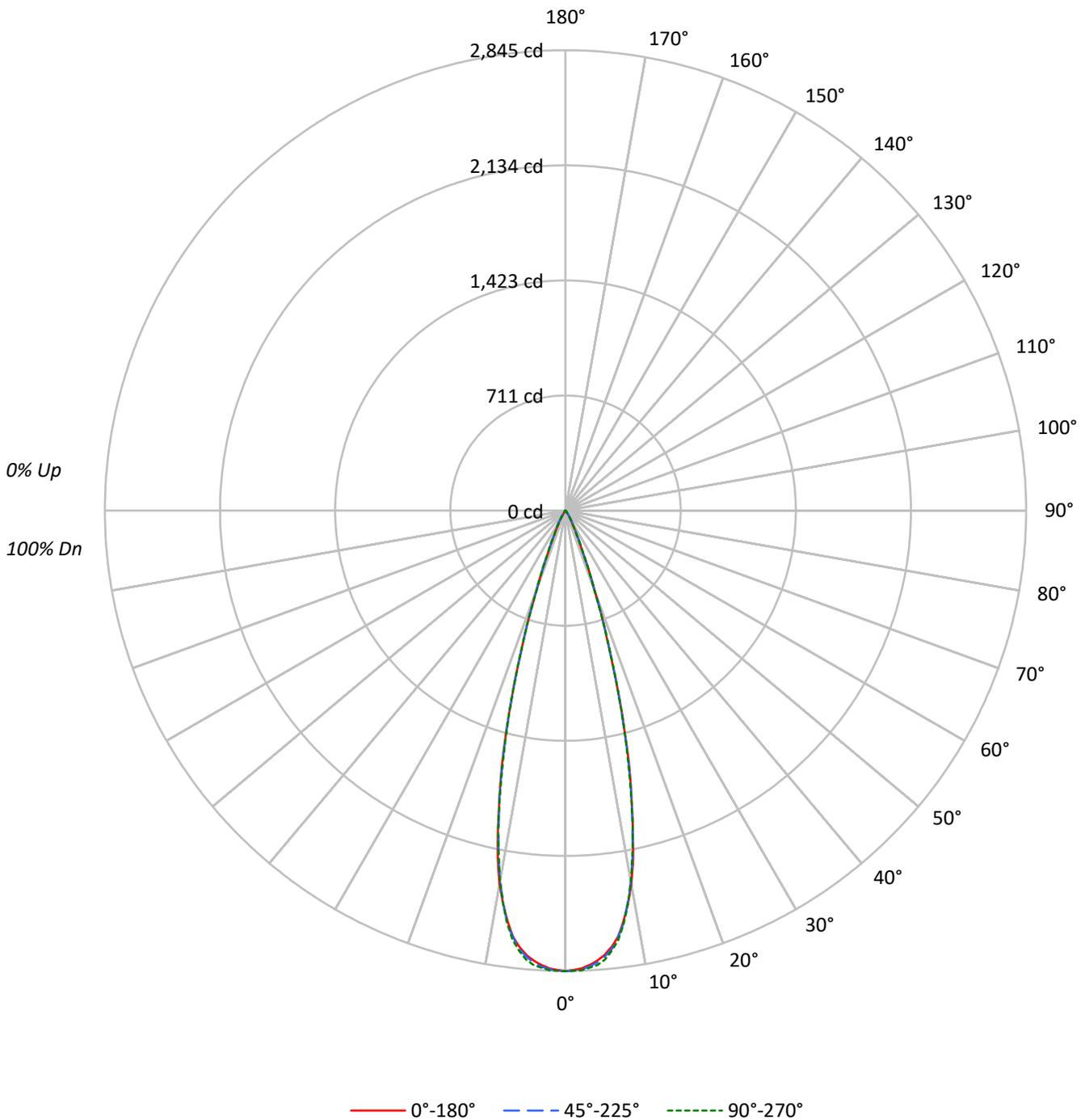
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 740.0 lumens  
Efficiency: N/A  
Efficacy: 67.3 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): 11  
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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	95	93	92	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°	490025	490025	490025
5°	476597	478672	481628
10°	409830	406332	406735
15°	251828	249795	249992
20°	95835	96055	94277
25°	30480	32115	30594
30°	12270	15213	12608
35°	3953	6728	3953
40°	1799	2945	1799
45°	706	1242	706
50°	295	616	295
55°	330	330	330
60°	379	379	379
65°	245	245	245
70°	302	302	302
75°	399	399	399
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1242 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	251.0	33.9
10°-20°	372.3	50.3
20°-30°	92.5	12.5
30°-40°	18.5	2.5
40°-50°	3.4	0.5
50°-60°	1.0	0.1
60°-70°	0.8	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°	715.8	96.7
0°-40°	734.3	99.2
0°-60°	738.7	99.8
0°-90°	740.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	740.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2845	2845	2845	2845	2845	
5°	2757	2766	2769	2773	2786	251
15°	1412	1415	1401	1406	1402	374
25°	160	164	169	167	161	90
35°	19	24	32	24	19	15
45°	3	3	5	4	3	2
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°	2845.3	2845.3	2845.3	2845.3	2845.3
1°	2839.0	2842.4	2844.7	2844.7	2844.7
2°	2831.0	2833.3	2836.7	2837.3	2841.9
3°	2812.2	2817.3	2823.0	2826.5	2828.7
4°	2789.3	2796.2	2799.6	2808.2	2815.6
5°	2756.8	2765.9	2768.8	2772.8	2785.9
6°	2712.8	2719.7	2725.4	2727.1	2735.1
7°	2654.6	2658.0	2656.9	2659.8	2674.0
8°	2566.1	2567.3	2577.0	2570.7	2580.4
9°	2461.1	2456.5	2454.2	2458.8	2459.4
10°	2343.5	2328.1	2323.5	2319.5	2325.8
11°	2191.1	2171.1	2172.8	2171.6	2162.5
12°	2001.5	1999.2	1984.4	1987.2	2001.0
13°	1808.0	1812.0	1809.1	1812.6	1797.1
14°	1626.5	1607.0	1612.2	1592.8	1600.2
15°	1412.4	1415.2	1401.0	1405.5	1402.1
17.5°	904.3	910.6	906.0	902.0	908.3
20°	522.9	522.4	524.1	518.9	514.4
22.5°	275.2	279.2	284.3	284.9	288.3
25°	160.4	163.8	169.0	166.7	161.0
27.5°	98.2	104.5	112.5	106.8	99.9
30°	61.7	66.8	76.5	67.4	63.4
32.5°	34.8	42.2	50.2	42.2	34.8
35°	18.8	24.5	32.0	24.0	18.8
37.5°	12.6	14.3	21.1	14.3	12.6
40°	8.0	9.7	13.1	9.7	8.0
42.5°	4.6	6.3	7.4	6.3	4.6
45°	2.9	3.4	5.1	4.0	2.9
47.5°	1.1	1.7	3.4	1.7	1.7
50°	1.1	1.1	2.3	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	1.1	1.1	1.1	1.1	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
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)