

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: P1307977

Luminaire Tested: LDSQA3D09R359027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307977  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R359027DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

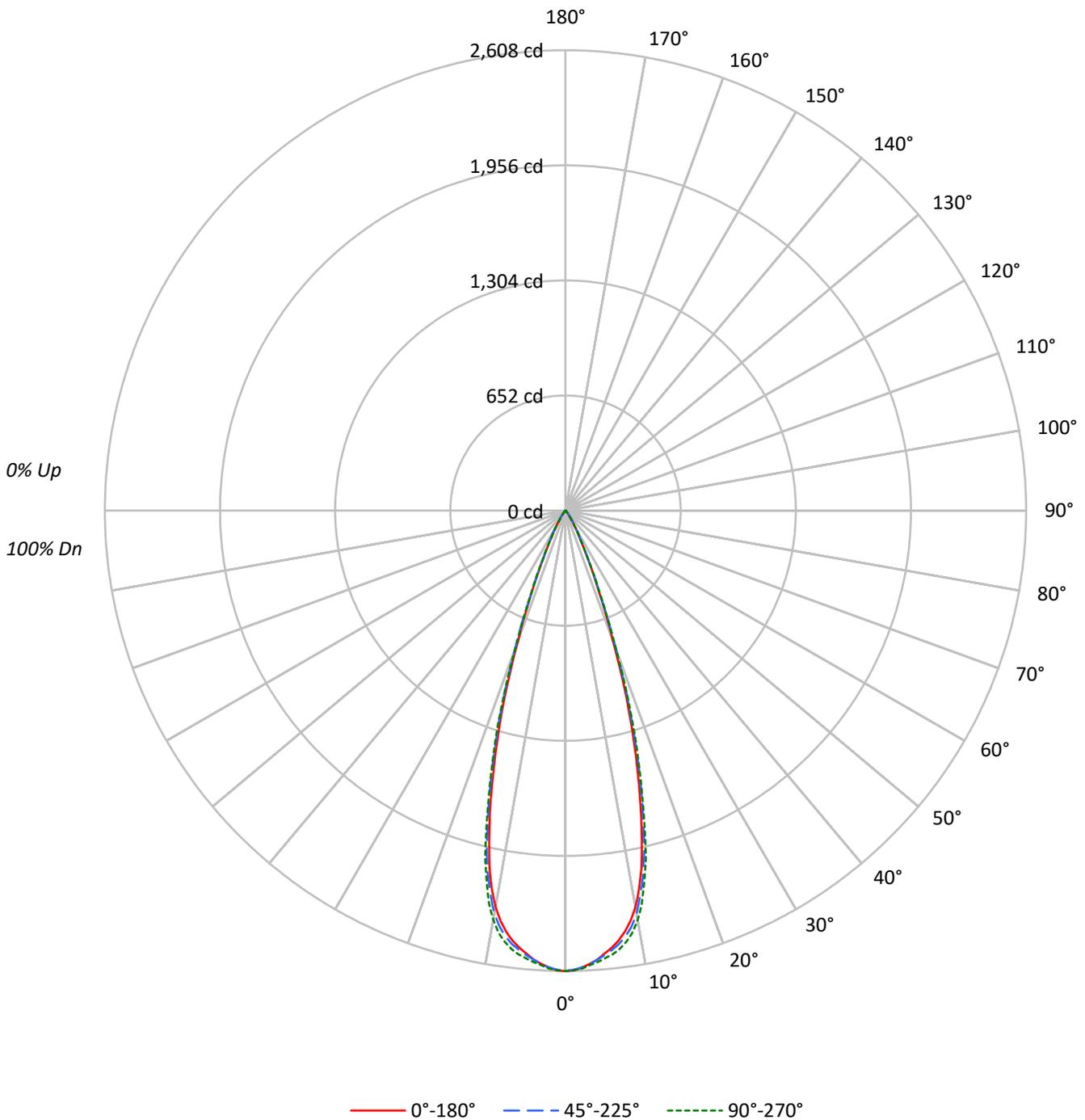
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 876.1 lumens  
Efficiency: N/A  
Efficacy: 78.9 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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

TEST NUMBER: P1307977  
CATALOG NUMBER: LDSQA3D09R359027DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	112	110	109	107	106	105	104	103	102	101	99	99	98	96	96	96	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93	93	93	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	89	89	89	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86	86	86	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	83	83	83	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80	80	80	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	77	77	77	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	75	75	75	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	72	72	72	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	70	70	70	70

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

	0°	45°	90°
0°	449139	449139	449139
5°	435832	437370	440327
10°	398673	405615	411824
15°	286168	296652	299701
20°	143945	152339	152723
25°	54557	56248	56514
30°	22154	25415	21756
35°	8052	12215	7758
40°	3372	5216	3237
45°	828	2168	828
50°	563	911	563
55°	631	631	631
60°	723	723	723
65°	571	571	571
70°	352	352	352
75°	466	466	466
80°	694	694	694
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2168 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	235.8	26.9
10°-20°	439.3	50.1
20°-30°	158.0	18.0
30°-40°	33.2	3.8
40°-50°	5.7	0.7
50°-60°	1.9	0.2
60°-70°	1.4	0.2
70°-80°	0.7	0.1
80°-90°	0.1	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°	833.0	95.1
0°-40°	866.2	98.9
0°-60°	873.8	99.7
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°	2608	2608	2608	2608	2608	
5°	2521	2526	2530	2547	2547	234
15°	1605	1633	1664	1682	1681	427
25°	287	291	296	299	297	153
35°	38	45	58	44	37	29
45°	3	6	9	6	3	4
55°	2	2	2	2	2	2
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°	2607.9	2607.9	2607.9	2607.9	2607.9
1°	2606.5	2606.5	2601.0	2607.2	2605.1
2°	2592.1	2593.5	2590.1	2597.6	2596.9
3°	2572.3	2575.7	2573.0	2583.9	2580.5
4°	2551.1	2553.9	2552.5	2566.2	2564.8
5°	2521.0	2525.8	2529.9	2547.0	2547.0
6°	2490.3	2495.1	2504.0	2522.4	2528.6
7°	2454.7	2460.9	2475.2	2499.9	2504.0
8°	2409.6	2416.5	2436.3	2462.9	2468.4
9°	2353.6	2363.8	2386.4	2418.5	2421.9
10°	2279.7	2287.9	2319.4	2346.1	2354.9
11°	2184.0	2190.9	2218.9	2262.0	2267.4
12°	2067.8	2076.0	2112.3	2140.3	2145.8
13°	1920.9	1936.6	1980.3	2007.7	2022.7
14°	1769.8	1791.0	1822.4	1861.4	1851.8
15°	1605.0	1633.1	1663.8	1681.6	1680.9
17.5°	1201.1	1217.5	1244.8	1255.1	1268.7
20°	785.4	806.6	831.2	840.8	833.3
22.5°	487.4	492.9	500.4	504.5	503.1
25°	287.1	291.2	296.0	298.7	297.4
27.5°	172.9	182.5	189.4	181.1	176.4
30°	111.4	115.5	127.8	116.9	109.4
32.5°	66.3	75.9	86.1	73.1	63.6
35°	38.3	45.1	58.1	44.4	36.9
37.5°	24.6	28.0	37.6	27.3	23.9
40°	15.0	19.1	23.2	17.8	14.4
42.5°	7.5	11.6	13.7	10.3	7.5
45°	3.4	5.5	8.9	5.5	3.4
47.5°	2.1	2.7	5.5	2.7	2.1
50°	2.1	2.1	3.4	2.1	2.1
52.5°	2.1	2.1	2.1	2.1	2.1
55°	2.1	2.1	2.1	2.1	2.1
57.5°	2.1	2.1	2.1	2.1	2.1
60°	2.1	2.1	2.1	2.1	2.1
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
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°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	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)