

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: P1317350

Luminaire Tested: LDSQA3D09R359827DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317350  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R359827DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

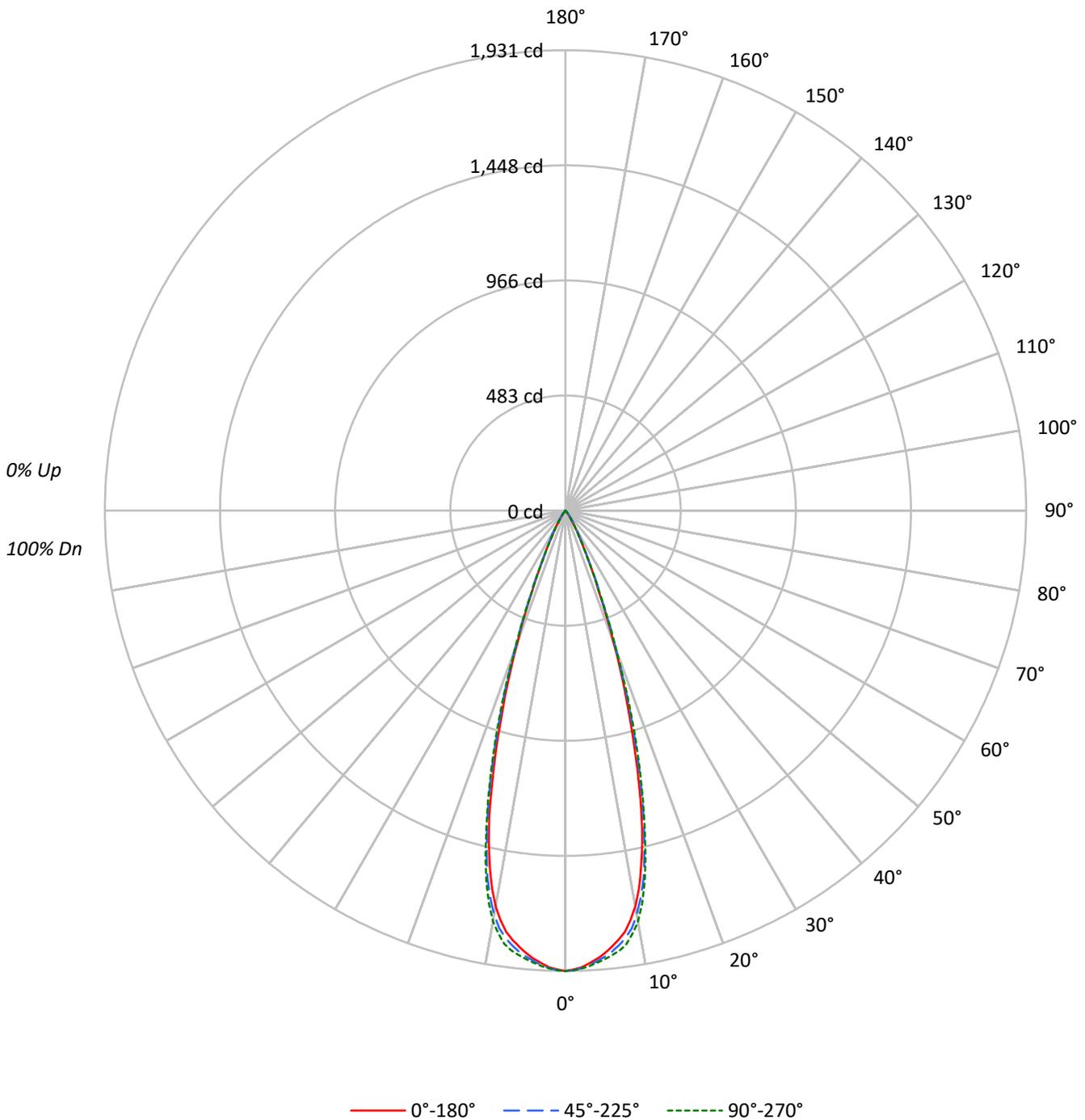
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 643.0 lumens  
Efficiency: N/A  
Efficacy: 58.5 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  
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	107	107	105	104	103	102	101	100	99	98	98	98	98	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	94	94	94	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	88	92	89	88	86
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	86	84	82	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	84	81	79	78
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	81	79	76	75
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	79	76	74	73
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	77	74	72	71

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

	0°	45°	90°
0°	332596	332596	332596
5°	322509	324791	326554
10°	294707	300950	306109
15°	211943	221196	223015
20°	107894	113319	113594
25°	40932	41806	40647
30°	15909	18435	15492
35°	5466	8557	5130
40°	1821	3327	1709
45°	122	1120	122
50°	0	134	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: 1120 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.8	27.2
10°-20°	325.7	50.7
20°-30°	117.1	18.2
30°-40°	22.8	3.6
40°-50°	2.5	0.4
50°-60°	0.0	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°	617.6	96.1
0°-40°	640.4	99.6
0°-60°	643.0	100.0
0°-90°	643.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	643.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1931	1931	1931	1931	1931	
5°	1866	1871	1879	1887	1889	173
15°	1189	1208	1241	1249	1251	316
25°	215	218	220	218	214	113
35°	26	30	41	30	24	19
45°	0	2	5	2	0	1
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°	1931.2	1931.2	1931.2	1931.2	1931.2
1°	1925.6	1928.2	1928.7	1932.2	1928.2
2°	1917.5	1919.0	1921.0	1924.1	1922.0
3°	1901.7	1904.7	1909.3	1913.4	1913.4
4°	1884.9	1888.9	1894.5	1901.7	1901.2
5°	1865.5	1870.6	1878.7	1887.4	1888.9
6°	1841.1	1847.2	1860.4	1872.6	1874.7
7°	1815.1	1824.3	1837.0	1854.8	1859.4
8°	1784.5	1791.7	1810.0	1830.9	1836.0
9°	1739.7	1750.4	1773.8	1793.2	1796.2
10°	1685.2	1692.9	1720.9	1741.2	1750.4
11°	1614.9	1626.1	1653.6	1674.5	1680.6
12°	1525.3	1541.6	1573.7	1589.0	1594.1
13°	1428.5	1442.3	1467.2	1486.1	1490.2
14°	1319.6	1332.8	1358.8	1374.0	1370.5
15°	1188.7	1208.5	1240.6	1249.3	1250.8
17.5°	878.0	890.7	919.3	933.0	942.7
20°	588.7	601.0	618.3	627.4	619.8
22.5°	358.0	368.2	377.4	376.9	374.3
25°	215.4	217.5	220.0	218.5	213.9
27.5°	125.8	131.4	139.0	133.9	126.3
30°	80.0	84.5	92.7	84.0	77.9
32.5°	42.3	53.5	62.1	50.4	44.3
35°	26.0	29.5	40.7	30.0	24.4
37.5°	15.8	18.3	25.5	17.8	14.3
40°	8.1	11.7	14.8	10.7	7.6
42.5°	2.5	5.6	8.1	5.1	2.5
45°	0.5	1.5	4.6	1.5	0.5
47.5°	0.0	0.0	2.0	0.5	0.0
50°	0.0	0.0	0.5	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)