

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: P1307021

Luminaire Tested: LDSQA3D09R409024DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307021  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R409024DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

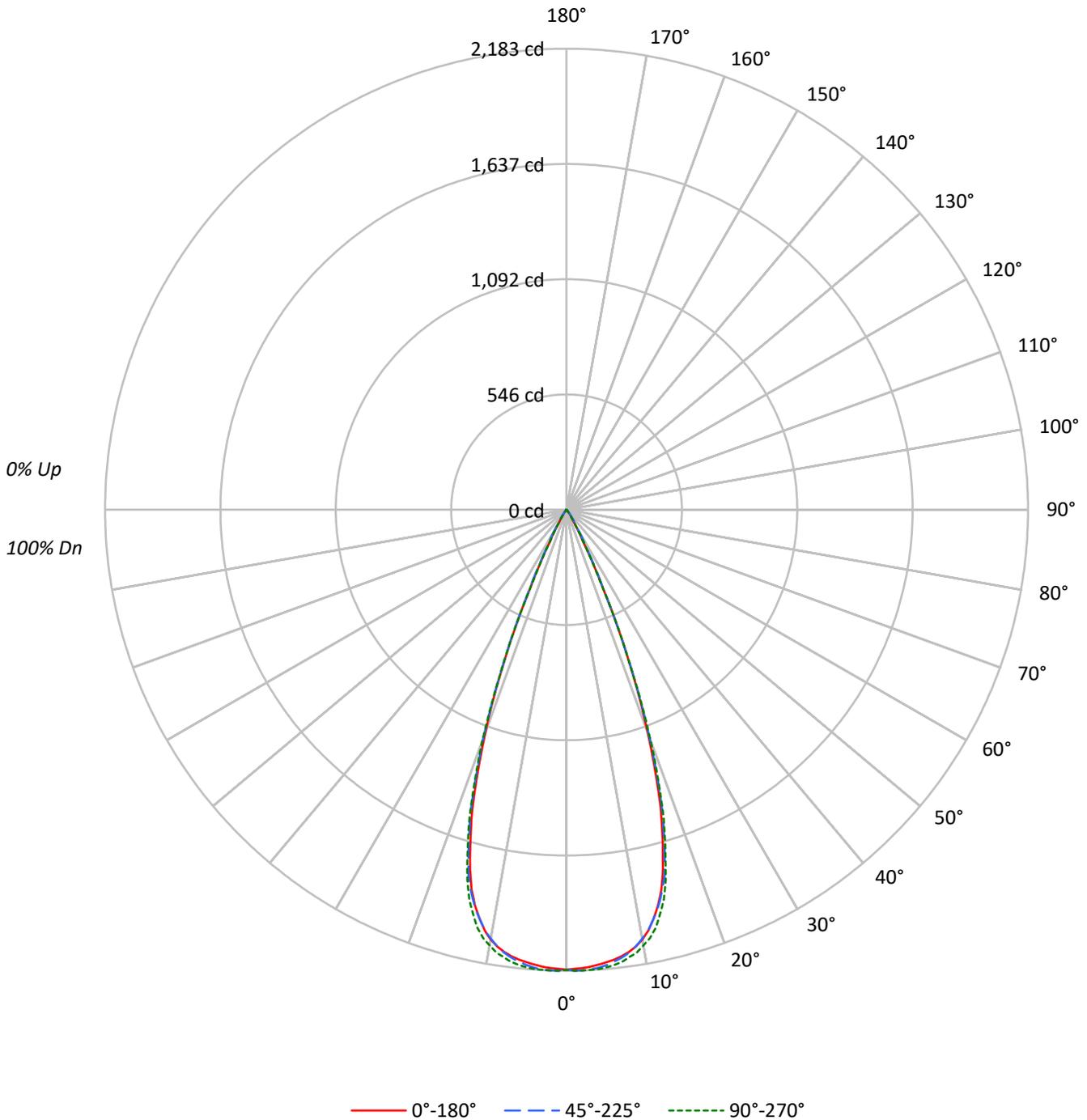
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 916.0 lumens  
Efficiency: N/A  
Efficacy: 82.5 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6  
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 (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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	92	92	92	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	91	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	82	80	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	80	77	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	77	74	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	75	72	70	69

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

	0°	45°	90°
0°	375153	375153	375153
5°	371901	374234	376015
10°	361301	360636	366268
15°	314322	319385	323290
20°	206295	210309	213021
25°	73540	77835	73179
30°	16029	21676	16168
35°	5151	8956	5025
40°	1596	2765	1461
45°	146	950	146
50°	0	161	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: 950 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.7	22.2
10°-20°	474.4	51.8
20°-30°	212.8	23.2
30°-40°	23.0	2.5
40°-50°	2.1	0.2
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°	890.9	97.3
0°-40°	913.9	99.8
0°-60°	916.0	100.0
0°-90°	916.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	916.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2178	2178	2178	2178	2178	
5°	2151	2157	2165	2168	2175	203
15°	1763	1776	1791	1802	1813	468
25°	387	399	410	417	385	207
35°	24	28	43	28	24	19
45°	1	1	4	1	1	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°	2178.3	2178.3	2178.3	2178.3	2178.3
1°	2173.8	2178.3	2182.1	2178.9	2183.4
2°	2171.8	2177.0	2182.8	2179.6	2183.4
3°	2166.7	2173.1	2179.6	2177.6	2181.5
4°	2159.6	2164.7	2174.4	2174.4	2180.2
5°	2151.2	2157.0	2164.7	2168.0	2175.0
6°	2142.2	2145.4	2151.2	2157.6	2167.3
7°	2130.5	2130.5	2137.6	2144.1	2157.0
8°	2114.4	2113.1	2118.3	2126.7	2138.3
9°	2094.4	2089.9	2093.8	2106.0	2123.4
10°	2066.0	2062.2	2062.2	2077.6	2094.4
11°	2029.3	2028.0	2028.6	2043.5	2066.0
12°	1979.6	1980.9	1980.9	1997.7	2025.4
13°	1923.5	1922.8	1928.6	1947.4	1966.1
14°	1855.1	1859.0	1864.8	1881.6	1900.9
15°	1762.9	1775.8	1791.3	1801.6	1813.2
17.5°	1482.3	1495.2	1516.5	1524.9	1527.4
20°	1125.6	1144.3	1147.5	1164.3	1162.3
22.5°	754.7	753.4	756.0	757.9	758.6
25°	387.0	398.6	409.6	416.7	385.1
27.5°	168.4	188.3	202.5	183.8	170.3
30°	80.6	91.6	109.0	92.2	81.3
32.5°	43.9	51.0	69.0	50.3	43.2
35°	24.5	28.4	42.6	27.7	23.9
37.5°	14.2	15.5	23.2	15.5	13.5
40°	7.1	9.0	12.3	9.0	6.5
42.5°	2.6	4.5	6.5	4.5	2.6
45°	0.6	1.3	3.9	1.3	0.6
47.5°	0.0	0.0	1.9	0.0	0.0
50°	0.0	0.0	0.6	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)