

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: P1313090

Luminaire Tested: LDSQA3D24R709050D010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

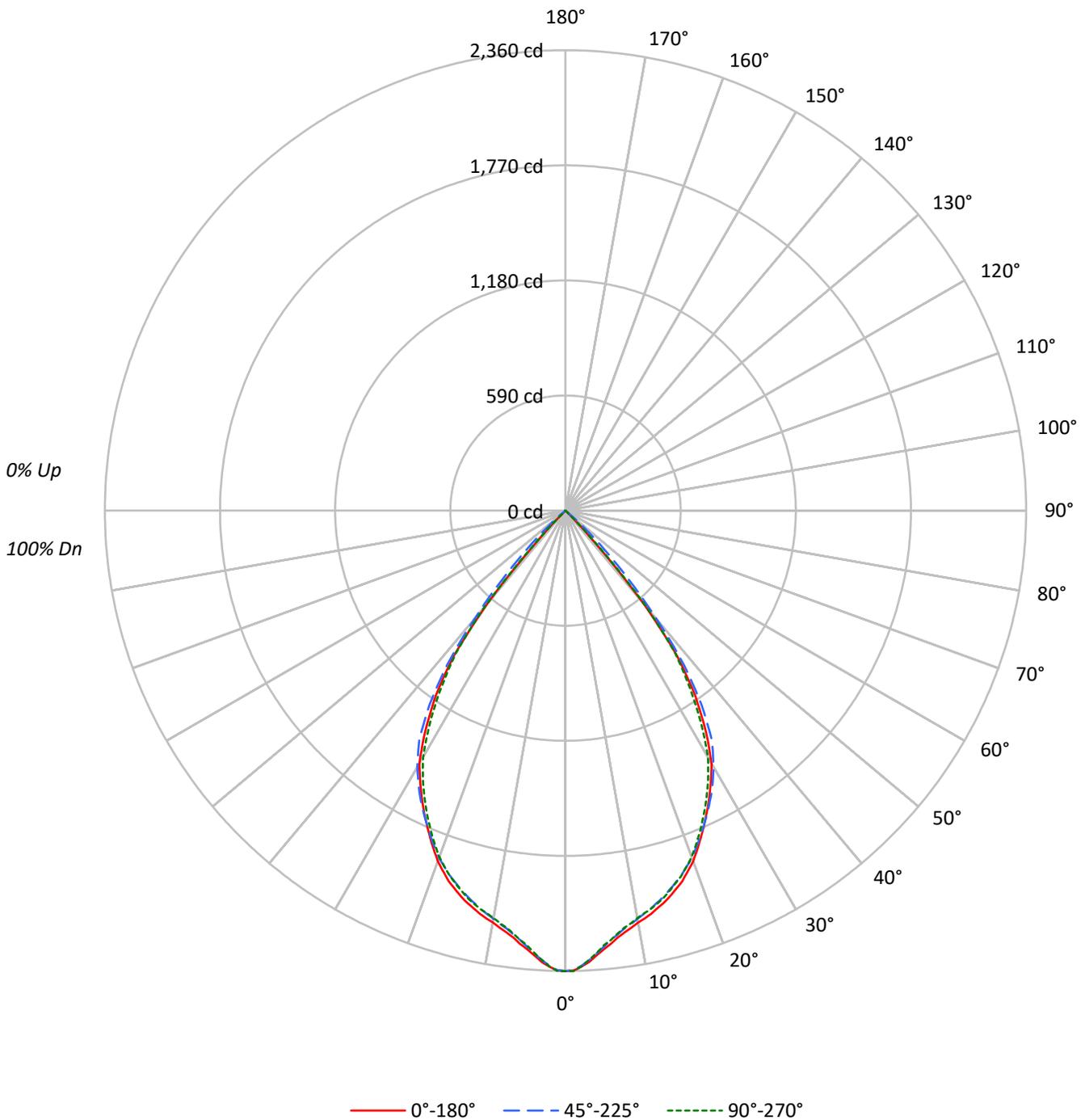
Test Method: LM-79-2019  
Report Number: P1313090  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R709050D010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2442.0 lumens  
Efficiency: N/A  
Efficacy: 84.8 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 28.8  
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	100			100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86			86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80			80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74			74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68			68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63			63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59			59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55			55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51			51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48			48

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

	0°	45°	90°
0°	406514	406514	406514
5°	390209	388082	387010
10°	374872	371619	370902
15°	365992	360839	361571
20°	350478	347069	346317
25°	325326	326105	320993
30°	297742	301838	290344
35°	243569	255301	234024
40°	140221	163422	143930
45°	2022	67904	7039
50°	0	7181	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: 67904 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.6	8.6
10°-20°	570.6	23.4
20°-30°	783.9	32.1
30°-40°	710.8	29.1
40°-50°	165.2	6.8
50°-60°	0.8	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°	1565.2	64.1
0°-40°	2276.0	93.2
0°-60°	2442.0	100.0
0°-90°	2442.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2442.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2360	2360	2360	2360	2360	
5°	2257	2251	2245	2241	2239	212
15°	2053	2038	2024	2024	2028	576
25°	1712	1720	1716	1700	1689	785
35°	1158	1175	1214	1163	1113	696
45°	8	93	279	120	29	100
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°	2360.4	2360.4	2360.4	2360.4	2360.4
1°	2358.3	2354.2	2356.3	2358.3	2360.4
2°	2339.8	2335.6	2335.6	2337.7	2337.7
3°	2317.0	2308.8	2308.8	2306.7	2306.7
4°	2286.1	2279.9	2275.7	2273.7	2273.7
5°	2257.1	2251.0	2244.8	2240.6	2238.6
6°	2232.4	2222.0	2213.8	2211.7	2213.8
7°	2203.5	2197.3	2189.0	2182.8	2184.9
8°	2182.8	2174.5	2164.2	2160.1	2160.1
9°	2164.2	2156.0	2145.6	2137.4	2141.5
10°	2143.6	2135.3	2125.0	2118.8	2120.9
11°	2129.1	2118.8	2106.4	2102.3	2104.3
12°	2112.6	2100.2	2087.8	2085.7	2089.9
13°	2091.9	2079.6	2067.2	2067.2	2071.3
14°	2073.4	2058.9	2046.5	2046.5	2052.7
15°	2052.7	2038.2	2023.8	2023.8	2027.9
17.5°	1990.8	1978.4	1963.9	1963.9	1966.0
20°	1912.3	1906.1	1893.7	1887.5	1889.6
22.5°	1813.2	1813.2	1807.0	1796.6	1792.5
25°	1712.0	1720.2	1716.1	1699.6	1689.2
27.5°	1606.6	1621.1	1623.2	1598.4	1579.8
30°	1497.2	1509.6	1517.8	1488.9	1460.0
32.5°	1336.1	1373.3	1393.9	1354.7	1294.8
35°	1158.5	1175.0	1214.3	1162.6	1113.1
37.5°	941.7	962.3	995.4	954.1	925.2
40°	623.7	706.3	726.9	706.3	640.2
42.5°	225.1	396.5	477.0	404.8	264.3
45°	8.3	92.9	278.8	119.8	28.9
47.5°	0.0	2.1	126.0	4.1	0.0
50°	0.0	0.0	26.8	0.0	0.0
52.5°	0.0	0.0	2.1	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)