

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: P1310896

Luminaire Tested: LDSQA3D24R709035D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310896  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R709035D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

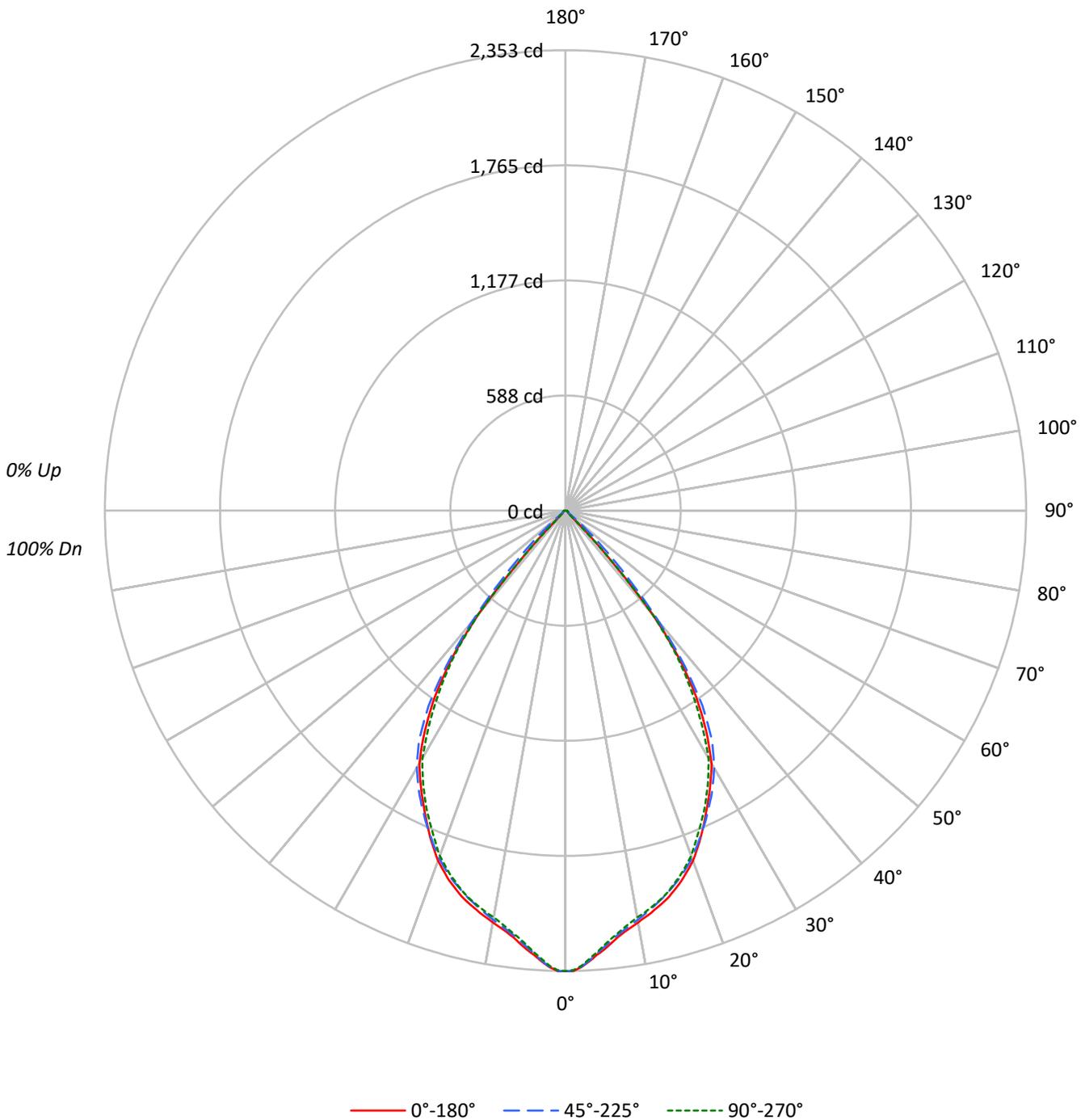
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2509.0 lumens  
Efficiency: N/A  
Efficacy: 87.1 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.98 / 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 (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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

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

	0°	45°	90°
0°	405257	405257	405257
5°	389534	387408	386008
10°	373700	371566	369066
15°	364281	360287	359930
20°	349048	346427	344191
25°	323159	325478	319283
30°	296827	302097	290741
35°	244788	256373	235348
40°	155868	167784	155868
45°	10936	72508	11910
50°	4930	14763	4930
55°	5525	5525	5525
60°	5614	5614	5614
65°	4972	5827	4972
70°	5136	6143	5136
75°	5456	5456	5456
80°	6050	6050	6050
85°	3952	8102	3952

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 72508 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.0	8.4
10°-20°	568.5	22.7
20°-30°	781.4	31.1
30°-40°	715.7	28.5
40°-50°	190.0	7.6
50°-60°	17.0	0.7
60°-70°	13.8	0.6
70°-80°	9.2	0.4
80°-90°	3.5	0.1
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°	1559.9	62.2
0°-40°	2275.6	90.7
0°-60°	2482.5	98.9
0°-90°	2509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2509.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2353	2353	2353	2353	2353	
5°	2253	2243	2241	2237	2233	211
15°	2043	2025	2021	2021	2019	573
25°	1701	1707	1713	1692	1680	782
35°	1164	1183	1219	1164	1119	706
45°	45	153	298	155	49	135
55°	18	18	18	18	18	16
65°	12	14	14	14	12	13
75°	8	8	8	8	8	9
85°	2	4	4	4	2	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2353.1	2353.1	2353.1	2353.1	2353.1
1°	2353.1	2349.0	2353.1	2353.1	2349.0
2°	2334.7	2330.7	2332.7	2330.7	2328.6
3°	2308.2	2302.1	2304.1	2300.1	2296.0
4°	2277.6	2271.5	2271.5	2269.5	2265.4
5°	2253.2	2243.0	2240.9	2236.9	2232.8
6°	2224.6	2214.4	2212.4	2206.3	2202.2
7°	2196.1	2187.9	2185.9	2177.7	2177.7
8°	2173.6	2163.5	2163.5	2153.3	2153.3
9°	2155.3	2143.1	2143.1	2134.9	2130.8
10°	2136.9	2124.7	2124.7	2114.5	2110.4
11°	2118.6	2108.4	2104.3	2098.2	2096.2
12°	2102.3	2088.0	2083.9	2081.9	2077.8
13°	2081.9	2067.6	2063.5	2061.5	2059.5
14°	2063.5	2045.2	2043.1	2039.1	2041.1
15°	2043.1	2024.8	2020.7	2020.7	2018.7
17.5°	1979.9	1967.7	1961.6	1957.5	1953.4
20°	1904.5	1894.3	1890.2	1882.1	1878.0
22.5°	1806.6	1804.6	1802.5	1792.3	1776.0
25°	1700.6	1706.7	1712.8	1692.4	1680.2
27.5°	1598.6	1614.9	1621.1	1600.7	1574.2
30°	1492.6	1506.9	1519.1	1490.6	1462.0
32.5°	1339.7	1374.3	1392.7	1360.1	1294.8
35°	1164.3	1182.7	1219.4	1164.3	1119.4
37.5°	960.4	970.6	999.1	962.4	931.9
40°	693.3	723.9	746.3	723.9	693.3
42.5°	312.0	436.4	493.5	460.8	326.3
45°	44.9	152.9	297.7	155.0	48.9
47.5°	18.4	24.5	155.0	22.4	18.4
50°	18.4	18.4	55.1	18.4	18.4
52.5°	18.4	18.4	20.4	18.4	18.4
55°	18.4	18.4	18.4	18.4	18.4
57.5°	16.3	16.3	18.4	16.3	16.3
60°	16.3	16.3	16.3	16.3	16.3
62.5°	14.3	16.3	16.3	16.3	14.3
65°	12.2	14.3	14.3	14.3	12.2
67.5°	12.2	12.2	12.2	12.2	12.2
70°	10.2	12.2	12.2	12.2	10.2
72.5°	10.2	10.2	10.2	10.2	10.2
75°	8.2	8.2	8.2	8.2	8.2
77.5°	6.1	8.2	8.2	8.2	6.1
80°	6.1	6.1	6.1	6.1	6.1
82.5°	4.1	4.1	4.1	4.1	4.1
85°	2.0	4.1	4.1	4.1	2.0
87.5°	2.0	2.0	2.0	2.0	2.0



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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)