

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: P1312013

Luminaire Tested: LDSQA3D24R709040D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312013
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: LDSQA3D24R709040D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

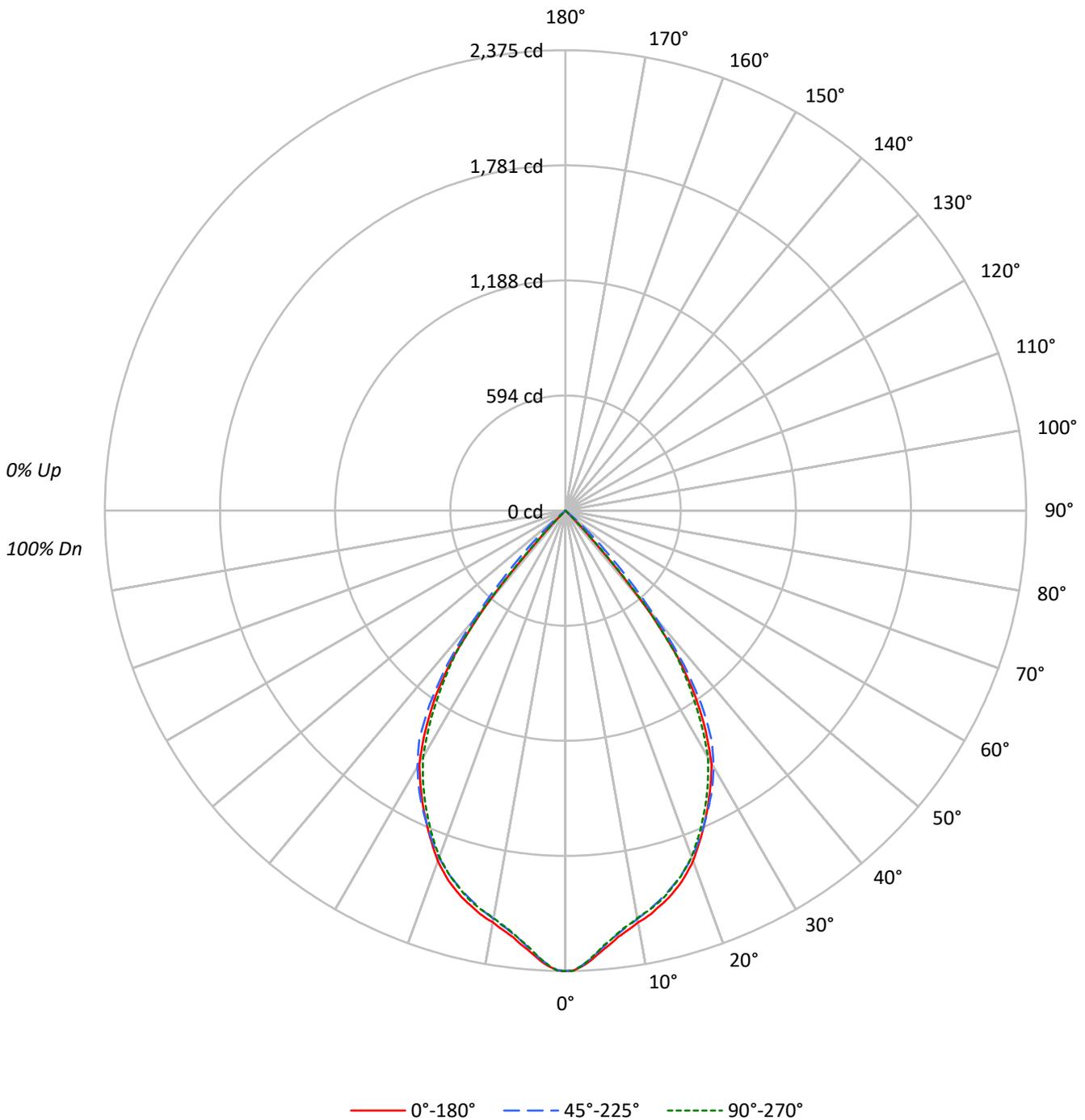
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2457.0 lumens
Efficiency: N/A
Efficacy: 85.3 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	102	102	102	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	95	95	95	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	88	88	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	81	81	81	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	75	75	75	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	70	70	70	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	65	65	65	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	60	60	60	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	56	56	56	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	53	53	53	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	49	49	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	409012	409012	409012
5°	392612	390451	389379
10°	377163	373892	373175
15°	368239	363050	363799
20°	352622	349195	348443
25°	327321	328100	322969
30°	299571	303708	292134
35°	245062	256856	235453
40°	141075	164434	144807
45°	2022	68318	7088
50°	0	7234	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: 68318 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.9	8.6
10°-20°	574.2	23.4
20°-30°	788.7	32.1
30°-40°	715.2	29.1
40°-50°	166.2	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°	1574.8	64.1
0°-40°	2290.0	93.2
0°-60°	2457.0	100.0
0°-90°	2457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2457.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2375	2375	2375	2375	2375	
5°	2271	2265	2258	2254	2252	213
15°	2065	2051	2036	2036	2040	580
25°	1722	1731	1727	1710	1700	790
35°	1166	1182	1222	1170	1120	700
45°	8	94	280	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°	2374.9	2374.9	2374.9	2374.9	2374.9
1°	2372.8	2368.7	2370.7	2372.8	2374.9
2°	2354.1	2350.0	2350.0	2352.0	2352.0
3°	2331.3	2323.0	2323.0	2320.9	2320.9
4°	2300.1	2293.9	2289.7	2287.6	2287.6
5°	2271.0	2264.8	2258.5	2254.4	2252.3
6°	2246.1	2235.7	2227.4	2225.3	2227.4
7°	2217.0	2210.8	2202.4	2196.2	2198.3
8°	2196.2	2187.9	2177.5	2173.4	2173.4
9°	2177.5	2169.2	2158.8	2150.5	2154.7
10°	2156.7	2148.4	2138.0	2131.8	2133.9
11°	2142.2	2131.8	2119.3	2115.2	2117.3
12°	2125.6	2113.1	2100.6	2098.6	2102.7
13°	2104.8	2092.3	2079.9	2079.9	2084.0
14°	2086.1	2071.5	2059.1	2059.1	2065.3
15°	2065.3	2050.8	2036.2	2036.2	2040.4
17.5°	2003.0	1990.5	1976.0	1976.0	1978.0
20°	1924.0	1917.8	1905.3	1899.1	1901.2
22.5°	1824.3	1824.3	1818.1	1807.7	1803.5
25°	1722.5	1730.8	1726.6	1710.0	1699.6
27.5°	1616.5	1631.1	1633.1	1608.2	1589.5
30°	1506.4	1518.9	1527.2	1498.1	1469.0
32.5°	1344.3	1381.7	1402.5	1363.0	1302.8
35°	1165.6	1182.3	1221.7	1169.8	1119.9
37.5°	947.5	968.2	1001.5	959.9	930.8
40°	627.5	710.6	731.4	710.6	644.1
42.5°	226.5	398.9	480.0	407.2	266.0
45°	8.3	93.5	280.5	120.5	29.1
47.5°	0.0	2.1	126.7	4.2	0.0
50°	0.0	0.0	27.0	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)