

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: P1311993

Luminaire Tested: LDSQA3D24R609040D010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

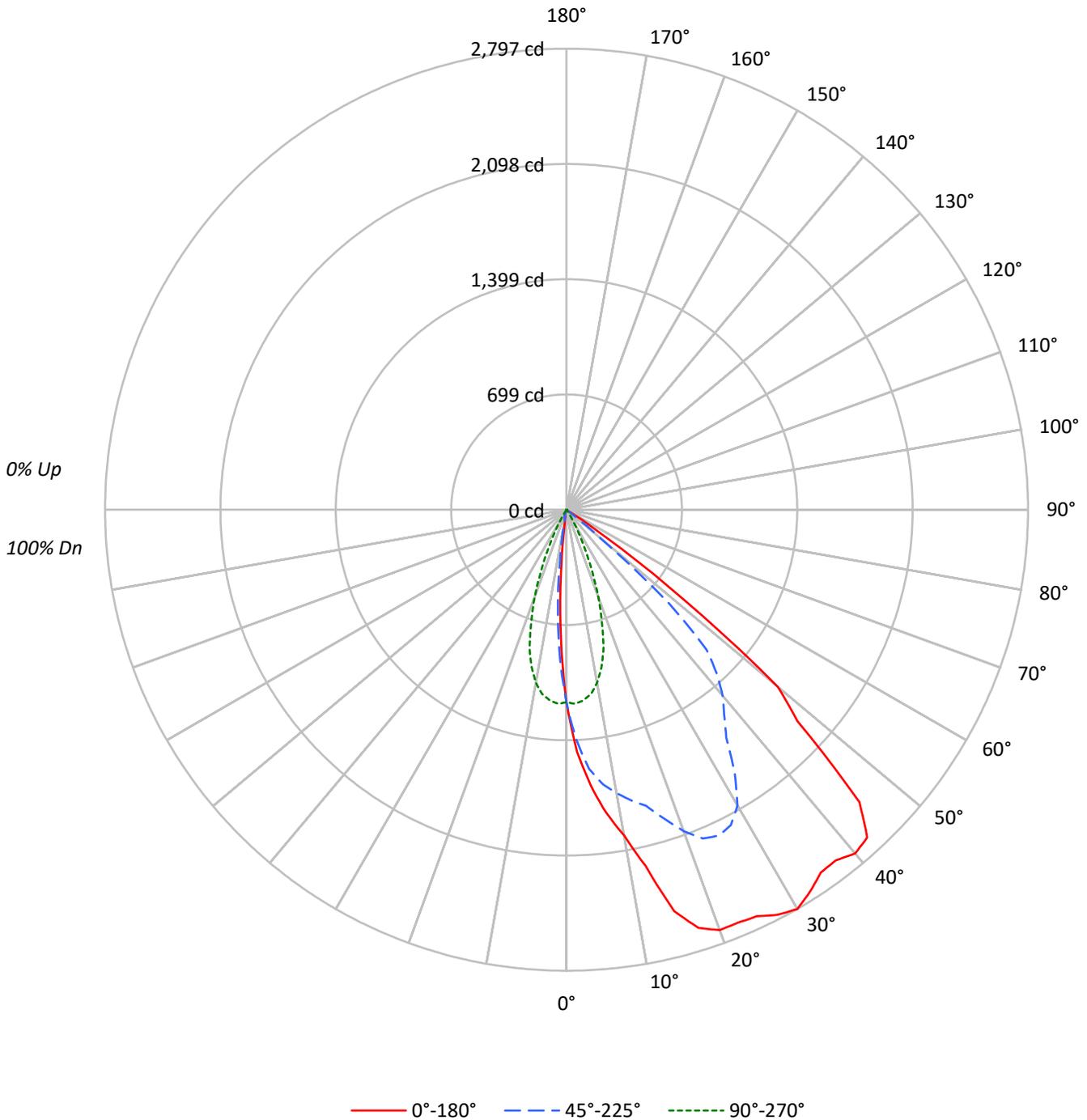
Test Method: LM-79-2019  
Report Number: P1311993  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R609040D010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1898.0 lumens  
Efficiency: N/A  
Efficacy: 65.9 lumens/watt  
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25  
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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60	62	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54	56	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49	51	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	46	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40	42	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37	39	39	37

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

	0°	45°	90°	135°	180°
0°	201122	201122	201122	201122	201122
5°	289903	273013	200801	103452	66455
10°	350668	305235	186421	12346	7275
15°	449400	331581	154495	8148	6668
20°	497355	380058	103587	4564	770
25°	517253	414600	50927	399	0
30°	556187	411990	14040	0	0
35°	564865	354725	0	0	0
40°	611962	330734	0	0	0
45°	611359	292004	0	0	0
50°	447605	70707	0	0	0
55°	87346	0	0	0	0
60°	0	0	0	0	0
65°	0	856	856	0	0
70°	0	1057	1057	0	0
75°	0	1397	1397	0	0
80°	0	2083	2083	2083	0
85°	0	4150	4150	4150	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 612358 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.3	5.3
10°-20°	285.6	15.0
20°-30°	455.1	24.0
30°-40°	526.1	27.7
40°-50°	417.8	22.0
50°-60°	110.0	5.8
60°-70°	0.8	0.0
70°-80°	1.2	0.1
80°-90°	1.2	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°	841.0	44.3
0°-40°	1367.1	72.0
0°-60°	1894.9	99.8
0°-90°	1898.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1898.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1168	1168	1168	1168	1168	
5°	1677	1579	1162	598	384	169
15°	2520	1860	866	46	37	702
25°	2722	2182	268	2	0	1269
35°	2687	1687	0	0	0	1706
45°	2510	1199	0	0	0	1787
55°	291	0	0	0	0	439
65°	0	2	2	0	0	0
75°	0	2	2	0	0	0
85°	0	2	2	2	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1167.8	1167.8	1167.8	1167.8	1167.8	1167.8	1167.8	1167.8	1167.8	1167.8	1167.8
2.5°	1469.1	1483.6	1477.4	1471.1	1456.6	1450.4	1450.4	1433.7	1406.7	1402.6	1383.9
5°	1676.9	1681.0	1681.0	1676.9	1666.5	1649.8	1645.7	1629.1	1604.1	1579.2	1554.3
7.5°	1857.6	1855.6	1843.1	1834.8	1816.1	1793.2	1772.4	1749.6	1712.2	1678.9	1643.6
10°	2005.2	2011.4	2001.0	1980.2	1955.3	1924.1	1890.9	1851.4	1795.3	1745.4	1699.7
12.5°	2212.9	2210.9	2183.9	2148.5	2088.3	2030.1	1978.1	1934.5	1865.9	1805.7	1749.6
15°	2520.5	2516.3	2491.4	2460.2	2372.9	2285.7	2196.3	2073.7	1959.4	1859.7	1780.7
17.5°	2659.7	2668.0	2647.2	2630.6	2580.7	2522.6	2443.6	2321.0	2144.4	1963.6	1797.4
20°	2713.7	2724.1	2709.6	2707.5	2684.6	2657.6	2593.2	2460.2	2287.8	2073.7	1868.0
22.5°	2711.6	2720.0	2713.7	2740.7	2767.7	2753.2	2674.2	2541.3	2364.6	2158.9	1926.2
25°	2722.0	2715.8	2692.9	2732.4	2771.9	2759.4	2720.0	2605.7	2412.4	2181.8	1947.0
27.5°	2769.8	2724.1	2678.4	2728.3	2747.0	2751.1	2728.3	2593.2	2404.1	2156.8	1905.4
30°	2796.8	2747.0	2709.6	2751.1	2751.1	2774.0	2726.2	2572.4	2333.5	2071.7	1795.3
32.5°	2747.0	2736.6	2769.8	2811.4	2821.8	2821.8	2715.8	2503.9	2215.0	1897.1	1618.7
35°	2686.7	2711.6	2807.2	2825.9	2825.9	2780.2	2651.4	2383.3	2038.4	1687.2	1487.8
37.5°	2680.5	2720.0	2825.9	2803.1	2765.7	2680.5	2493.5	2173.5	1787.0	1568.8	1390.1
40°	2722.0	2759.4	2821.8	2738.7	2649.3	2516.3	2291.9	1899.2	1635.3	1471.1	1271.7
42.5°	2697.1	2732.4	2734.5	2611.9	2485.1	2304.4	2007.2	1676.9	1525.2	1346.5	1136.6
45°	2510.1	2514.2	2505.9	2375.0	2244.1	2057.1	1741.3	1566.7	1404.6	1198.9	835.3
47.5°	1897.1	1888.8	1920.0	1882.6	1888.8	1776.6	1581.3	1437.9	1244.7	841.5	253.5
50°	1670.6	1660.2	1629.1	1595.8	1562.6	1508.5	1417.1	1263.4	897.6	263.9	8.3
52.5°	895.6	945.4	1043.1	1192.7	1248.8	1244.7	1176.1	935.0	282.6	2.1	0.0
55°	290.9	286.7	320.0	378.2	519.5	598.4	623.4	317.9	6.2	0.0	0.0
57.5°	0.0	0.0	0.0	6.2	20.8	54.0	70.6	4.2	0.0	2.1	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1167.8	1167.8	1167.8	1167.8	1167.8	1167.8	1167.8	1167.8
2.5°	1358.9	1329.8	1296.6	1178.2	1038.9	903.9	806.2	781.3
5°	1514.8	1464.9	1394.3	1161.5	858.2	598.4	428.0	384.4
7.5°	1595.8	1552.2	1477.4	1128.3	664.9	295.1	110.1	74.8
10°	1645.7	1593.7	1510.6	1066.0	434.3	70.6	39.5	41.6
12.5°	1681.0	1620.7	1527.2	976.6	220.3	35.3	49.9	51.9
15°	1695.6	1631.1	1525.2	866.5	79.0	45.7	43.6	37.4
17.5°	1687.2	1606.2	1498.2	708.6	27.0	43.6	22.9	18.7
20°	1676.9	1585.4	1454.5	565.2	22.9	24.9	8.3	4.2
22.5°	1710.1	1550.1	1394.3	405.2	22.9	8.3	0.0	0.0
25°	1714.3	1535.6	1317.4	268.0	10.4	2.1	0.0	0.0
27.5°	1672.7	1450.4	1198.9	157.9	0.0	0.0	0.0	0.0
30°	1539.7	1344.4	1072.2	70.6	0.0	0.0	0.0	0.0
32.5°	1408.8	1226.0	930.9	16.6	0.0	0.0	0.0	0.0
35°	1304.9	1103.4	775.1	0.0	0.0	0.0	0.0	0.0
37.5°	1176.1	957.9	577.7	0.0	0.0	0.0	0.0	0.0
40°	1041.0	773.0	288.8	0.0	0.0	0.0	0.0	0.0
42.5°	812.5	367.8	29.1	0.0	0.0	0.0	0.0	0.0
45°	311.7	33.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
65°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
67.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
70°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
72.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
75°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
77.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
80°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0
82.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
85°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)