

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: P1310884

Luminaire Tested: LDSQA3D24R659035D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310884  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R659035D010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R65 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

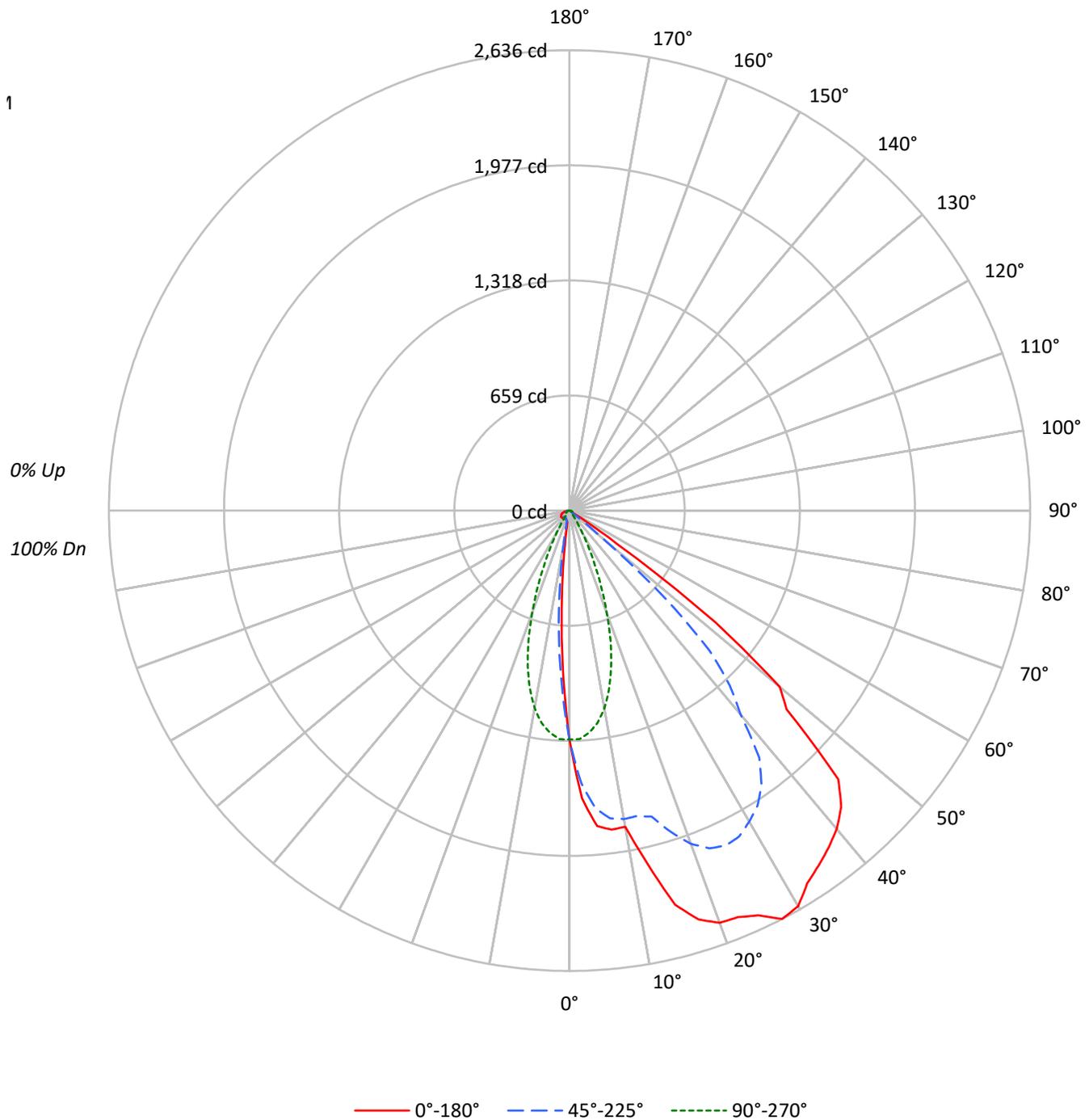
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1963.0 lumens  
Efficiency: N/A  
Efficacy: 68.2 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22  
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	103	110	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36

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

	0°	45°	90°	135°	180°
0°	225560	225560	225560	225560	225560
5°	313519	295885	220768	121310	85351
10°	321428	313576	200849	33892	12486
15°	416451	323343	164409	10912	10555
20°	460241	372013	114401	9714	10098
25°	485727	401982	64742	9311	10071
30°	520073	408927	29213	9327	10540
35°	521954	402724	9440	9860	11585
40°	534758	342132	6430	10544	12837
45°	529645	275758	6454	11423	13907
50°	420303	65054	6564	12566	15862
55°	99837	3663	6726	14082	17775
60°	3513	4202	7716	14742	18979
65°	4157	4157	7498	15812	20783
70°	3072	4129	7201	15408	21552
75°	2728	4059	6787	16303	21693
80°	1984	4066	8133	16166	22216
85°	3952	8102	8102	16203	20156

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 10°  
 Vertical Angle: 45°  
 Luminance: 530643 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.3	5.6
10°-20°	287.8	14.7
20°-30°	452.1	23.0
30°-40°	517.2	26.3
40°-50°	415.7	21.2
50°-60°	135.2	6.9
60°-70°	24.0	1.2
70°-80°	15.9	0.8
80°-90°	5.7	0.3
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°	849.2	43.3
0°-40°	1366.5	69.6
0°-60°	1917.4	97.7
0°-90°	1963.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1963.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1310	1310	1310	1310	1310	
5°	1814	1712	1277	702	494	171
15°	2336	1814	922	61	59	651
25°	2556	2115	341	49	53	1191
35°	2483	1916	45	47	55	1559
45°	2175	1132	26	47	57	1565
55°	332	12	22	47	59	475
65°	10	10	18	39	51	9
75°	4	6	10	24	33	5
85°	2	4	4	8	10	1
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°	1309.7	1309.7	1309.7	1309.7	1309.7	1309.7	1309.7	1309.7	1309.7	1309.7	1309.7
2.5°	1648.3	1642.2	1650.3	1636.0	1634.0	1619.7	1611.6	1607.5	1589.1	1564.6	1542.2
5°	1813.5	1789.0	1795.2	1793.1	1782.9	1776.8	1768.6	1758.4	1734.0	1711.5	1683.0
7.5°	1842.1	1821.7	1825.8	1827.8	1821.7	1819.6	1817.6	1813.5	1797.2	1776.8	1752.3
10°	1838.0	1817.6	1815.6	1809.4	1803.3	1805.4	1805.4	1805.4	1801.3	1793.1	1785.0
12.5°	2074.6	2046.1	2040.0	1997.1	1958.4	1891.0	1848.2	1807.4	1789.0	1791.1	1785.0
15°	2335.7	2333.7	2313.3	2272.5	2207.2	2146.0	2048.1	1974.7	1880.8	1813.5	1785.0
17.5°	2454.1	2452.0	2433.7	2399.0	2352.1	2295.0	2223.6	2137.9	2033.8	1929.8	1844.1
20°	2511.2	2525.5	2505.1	2476.5	2431.6	2378.6	2311.3	2233.8	2135.8	2029.8	1927.8
22.5°	2519.3	2537.7	2519.3	2498.9	2466.3	2431.6	2374.5	2295.0	2195.0	2093.0	1993.0
25°	2556.1	2562.2	2523.4	2496.9	2466.3	2441.8	2396.9	2327.6	2225.6	2115.4	2017.5
27.5°	2635.6	2609.1	2527.5	2490.8	2462.2	2439.8	2396.9	2325.5	2215.4	2103.2	2001.2
30°	2615.2	2605.0	2533.6	2498.9	2474.5	2452.0	2399.0	2307.2	2174.6	2056.3	1950.2
32.5°	2531.6	2552.0	2527.5	2515.3	2503.0	2474.5	2396.9	2272.5	2123.6	2003.2	1860.4
35°	2482.6	2507.1	2509.1	2509.1	2494.9	2452.0	2360.2	2221.5	2072.6	1915.5	1723.8
37.5°	2433.7	2454.1	2466.3	2474.5	2454.1	2392.9	2276.6	2152.2	1989.0	1782.9	1446.3
40°	2378.6	2392.9	2403.1	2407.1	2376.5	2297.0	2190.9	2050.2	1866.6	1521.8	1291.3
42.5°	2301.1	2309.2	2307.2	2305.2	2272.5	2184.8	2084.8	1938.0	1574.8	1356.6	1077.1
45°	2174.6	2166.4	2178.7	2178.7	2135.8	2070.6	1938.0	1652.4	1409.6	1132.2	693.6
47.5°	1685.0	1691.1	1750.3	1846.2	1905.3	1887.0	1707.4	1446.3	1185.2	742.5	230.5
50°	1568.7	1562.6	1564.6	1574.8	1581.0	1530.0	1401.4	1221.9	783.3	242.8	16.3
52.5°	1052.6	1058.7	1105.7	1213.8	1248.5	1211.7	1089.3	816.0	285.6	16.3	14.3
55°	332.5	355.0	381.5	438.6	538.5	601.8	589.5	289.7	18.4	12.2	14.3
57.5°	12.2	12.2	16.3	28.6	55.1	89.8	93.8	18.4	14.3	14.3	14.3
60°	10.2	10.2	10.2	10.2	10.2	10.2	12.2	12.2	12.2	12.2	12.2
62.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	12.2	12.2	12.2	12.2
65°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	12.2
67.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	10.2	10.2	10.2	10.2
70°	6.1	6.1	6.1	8.2	8.2	8.2	8.2	8.2	8.2	8.2	10.2
72.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	8.2	8.2	8.2
75°	4.1	4.1	4.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
77.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.1	6.1	6.1
80°	2.0	2.0	2.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.1
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1	4.1
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1
87.5°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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°	1309.7	1309.7	1309.7	1309.7	1309.7	1309.7	1309.7	1309.7
2.5°	1530.0	1505.5	1456.5	1309.7	1156.7	1003.7	907.8	883.3
5°	1650.3	1621.8	1552.4	1277.0	966.9	701.7	550.8	493.7
7.5°	1723.8	1689.1	1607.5	1226.0	752.7	408.0	244.8	195.8
10°	1756.4	1725.8	1634.0	1148.5	544.7	193.8	85.7	71.4
12.5°	1770.7	1746.2	1644.2	1046.5	355.0	85.7	63.2	61.2
15°	1776.8	1750.3	1640.1	922.1	202.0	61.2	59.2	59.2
17.5°	1782.9	1752.3	1615.6	779.3	112.2	57.1	55.1	57.1
20°	1831.9	1744.2	1572.8	624.2	73.4	53.0	53.0	55.1
22.5°	1880.8	1742.1	1497.3	477.3	57.1	51.0	53.0	53.0
25°	1897.2	1721.7	1401.4	340.7	49.0	49.0	51.0	53.0
27.5°	1866.6	1662.6	1272.9	230.5	42.8	49.0	51.0	53.0
30°	1795.2	1562.6	1117.9	146.9	40.8	46.9	51.0	53.0
32.5°	1662.6	1364.7	944.5	87.7	38.8	46.9	53.0	53.0
35°	1397.4	1144.4	748.7	44.9	38.8	46.9	53.0	55.1
37.5°	1221.9	954.7	522.2	30.6	38.8	46.9	53.0	55.1
40°	1013.9	689.5	218.3	28.6	38.8	46.9	53.0	57.1
42.5°	701.7	299.9	34.7	26.5	36.7	46.9	55.1	57.1
45°	253.0	38.8	16.3	26.5	36.7	46.9	55.1	57.1
47.5°	22.4	14.3	16.3	26.5	36.7	46.9	55.1	59.2
50°	14.3	14.3	14.3	24.5	36.7	46.9	55.1	59.2
52.5°	14.3	14.3	14.3	24.5	34.7	46.9	57.1	59.2
55°	14.3	14.3	14.3	22.4	34.7	46.9	55.1	59.2
57.5°	14.3	14.3	16.3	22.4	34.7	44.9	55.1	57.1
60°	14.3	14.3	14.3	22.4	32.6	42.8	53.0	55.1
62.5°	12.2	14.3	14.3	20.4	30.6	40.8	51.0	53.0
65°	12.2	12.2	14.3	18.4	28.6	38.8	46.9	51.0
67.5°	10.2	12.2	12.2	16.3	24.5	34.7	42.8	46.9
70°	10.2	10.2	10.2	14.3	22.4	30.6	40.8	42.8
72.5°	8.2	10.2	10.2	12.2	18.4	26.5	34.7	38.8
75°	8.2	8.2	8.2	10.2	16.3	24.5	30.6	32.6
77.5°	6.1	6.1	8.2	8.2	14.3	18.4	26.5	28.6
80°	6.1	6.1	6.1	8.2	10.2	16.3	20.4	22.4
82.5°	4.1	4.1	4.1	6.1	8.2	10.2	14.3	16.3
85°	4.1	4.1	4.1	4.1	6.1	8.2	10.2	10.2
87.5°	2.0	2.0	2.0	4.1	4.1	4.1	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)