

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: P1309766

Luminaire Tested: LDSQA3D24R659030D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309766
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: LDSQA3D24R659030D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

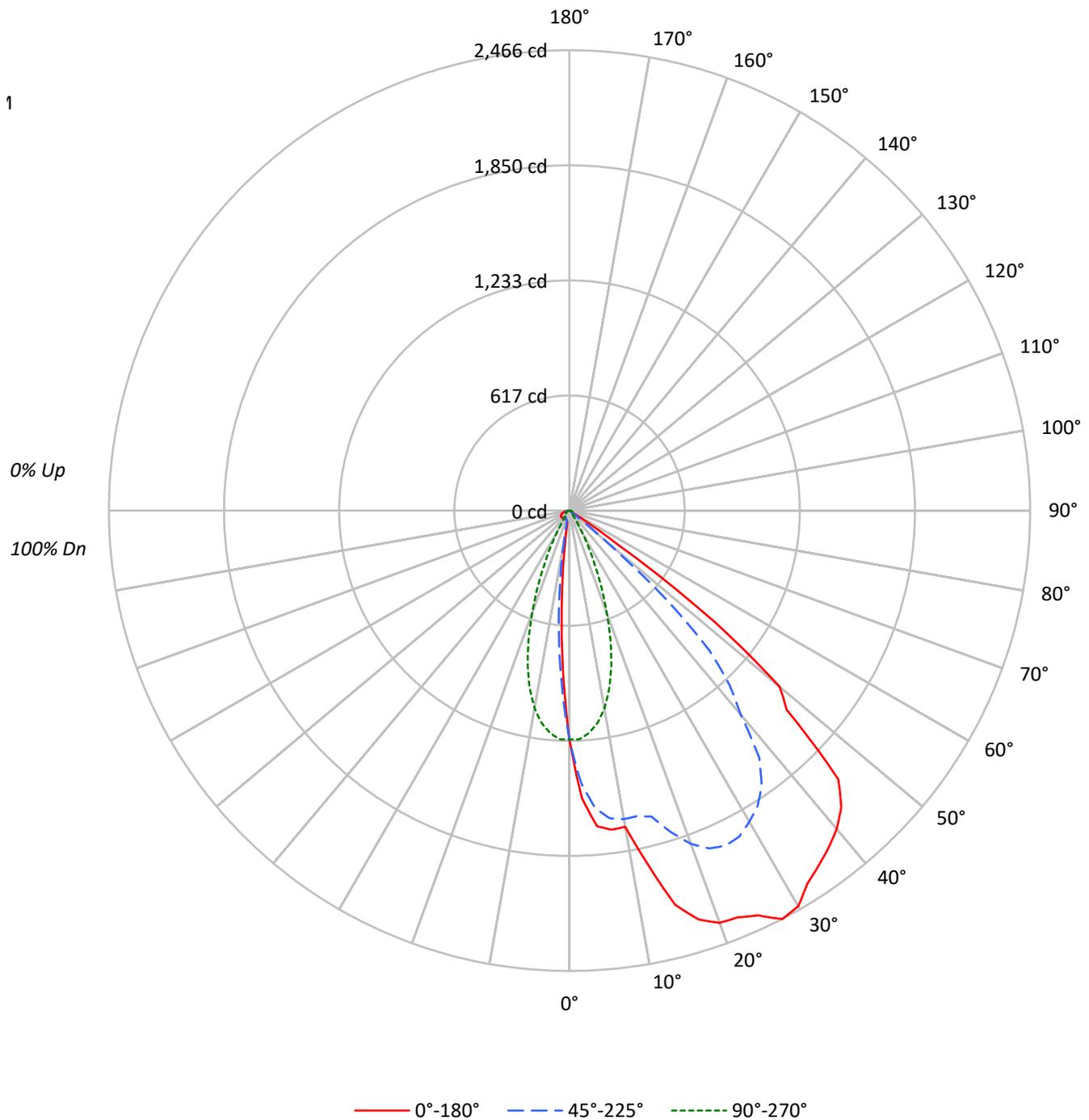
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1837.0 lumens
Efficiency: N/A
Efficacy: 63.8 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	74	70	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	63	58	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	211076	211076	211076	211076	211076
5°	293396	276903	206592	113531	79871
10°	300793	293448	187960	31723	11682
15°	389724	302590	153853	10216	9878
20°	430697	348132	107070	9090	9439
25°	454544	376177	60580	8703	9425
30°	486704	382677	27324	8730	9864
35°	488462	376885	8830	9230	10828
40°	500428	320167	6003	9870	12028
45°	495644	258051	6040	10692	13030
50°	393323	60874	6136	11762	14843
55°	93441	3453	6305	13181	16634
60°	3272	3961	7233	13812	17739
65°	3871	3871	7009	14793	19438
70°	2870	3827	6748	14401	20192
75°	2529	3793	6321	15238	20295
80°	1884	3769	7538	15174	20828
85°	3754	7509	7509	15018	18772

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 496569 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.3	5.6
10°-20°	269.3	14.7
20°-30°	423.1	23.0
30°-40°	484.0	26.3
40°-50°	389.1	21.2
50°-60°	126.6	6.9
60°-70°	22.5	1.2
70°-80°	14.8	0.8
80°-90°	5.3	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°	794.7	43.3
0°-40°	1278.8	69.6
0°-60°	1794.4	97.7
0°-90°	1837.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1837.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1226	1226	1226	1226	1226	
5°	1697	1602	1195	657	462	160
15°	2186	1697	863	57	55	609
25°	2392	1980	319	46	50	1115
35°	2323	1793	42	44	52	1459
45°	2035	1060	25	44	54	1464
55°	311	12	21	44	55	445
65°	10	10	17	36	48	8
75°	4	6	10	23	30	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°	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6
2.5°	1542.5	1536.8	1544.4	1531.0	1529.1	1515.8	1508.1	1504.3	1487.1	1464.2	1443.2
5°	1697.1	1674.2	1679.9	1678.0	1668.5	1662.8	1655.1	1645.6	1622.7	1601.7	1574.9
7.5°	1723.8	1704.8	1708.6	1710.5	1704.8	1702.8	1700.9	1697.1	1681.8	1662.8	1639.8
10°	1720.0	1700.9	1699.0	1693.3	1687.6	1689.5	1689.5	1689.5	1685.7	1678.0	1670.4
12.5°	1941.5	1914.7	1909.0	1868.9	1832.7	1769.7	1729.6	1691.4	1674.2	1676.1	1670.4
15°	2185.8	2183.9	2164.8	2126.6	2065.6	2008.3	1916.7	1847.9	1760.1	1697.1	1670.4
17.5°	2296.5	2294.6	2277.5	2245.0	2201.1	2147.6	2080.8	2000.6	1903.3	1805.9	1725.8
20°	2350.0	2363.4	2344.3	2317.5	2275.5	2225.9	2162.9	2090.4	1998.7	1899.5	1804.0
22.5°	2357.6	2374.8	2357.6	2338.5	2308.0	2275.5	2222.1	2147.6	2054.1	1958.7	1865.1
25°	2392.0	2397.7	2361.5	2336.6	2308.0	2285.1	2243.1	2178.2	2082.7	1979.6	1888.0
27.5°	2466.4	2441.6	2365.3	2330.9	2304.2	2283.2	2243.1	2176.3	2073.2	1968.2	1872.7
30°	2447.4	2437.8	2371.0	2338.5	2315.6	2294.6	2245.0	2159.1	2035.0	1924.3	1825.0
32.5°	2369.1	2388.2	2365.3	2353.8	2342.4	2315.6	2243.1	2126.6	1987.3	1874.7	1741.0
35°	2323.3	2346.2	2348.1	2348.1	2334.7	2294.6	2208.7	2078.9	1939.6	1792.6	1613.1
37.5°	2277.5	2296.5	2308.0	2315.6	2296.5	2239.3	2130.5	2014.0	1861.3	1668.5	1353.5
40°	2225.9	2239.3	2248.8	2252.6	2224.0	2149.6	2050.3	1918.6	1746.7	1424.1	1208.4
42.5°	2153.4	2161.0	2159.1	2157.2	2126.6	2044.6	1951.0	1813.6	1473.8	1269.5	1008.0
45°	2035.0	2027.4	2038.8	2038.8	1998.7	1937.7	1813.6	1546.3	1319.1	1059.5	649.1
47.5°	1576.8	1582.6	1637.9	1727.7	1783.0	1765.8	1597.8	1353.5	1109.1	694.9	215.7
50°	1468.0	1462.3	1464.2	1473.8	1479.5	1431.8	1311.5	1143.5	733.1	227.2	15.3
52.5°	985.1	990.8	1034.7	1135.9	1168.3	1134.0	1019.4	763.6	267.3	15.3	13.4
55°	311.2	332.2	357.0	410.4	504.0	563.2	551.7	271.1	17.2	11.5	13.4
57.5°	11.5	11.5	15.3	26.7	51.5	84.0	87.8	17.2	13.4	13.4	13.4
60°	9.5	9.5	9.5	9.5	9.5	9.5	11.5	11.5	11.5	11.5	11.5
62.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	11.5	11.5	11.5	11.5
65°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	11.5
67.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	9.5	9.5	9.5	9.5
70°	5.7	5.7	5.7	7.6	7.6	7.6	7.6	7.6	7.6	7.6	9.5
72.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	7.6	7.6	7.6
75°	3.8	3.8	3.8	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
77.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.7	5.7	5.7
80°	1.9	1.9	1.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.7
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8
87.5°	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
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°	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6	1225.6
2.5°	1431.8	1408.9	1363.0	1225.6	1082.4	939.2	849.5	826.6
5°	1544.4	1517.7	1452.8	1195.0	904.9	656.7	515.4	462.0
7.5°	1613.1	1580.7	1504.3	1147.3	704.4	381.8	229.1	183.3
10°	1643.7	1615.0	1529.1	1074.8	509.7	181.4	80.2	66.8
12.5°	1657.0	1634.1	1538.7	979.3	332.2	80.2	59.2	57.3
15°	1662.8	1637.9	1534.8	862.9	189.0	57.3	55.4	55.4
17.5°	1668.5	1639.8	1511.9	729.2	105.0	53.5	51.5	53.5
20°	1714.3	1632.2	1471.9	584.2	68.7	49.6	49.6	51.5
22.5°	1760.1	1630.3	1401.2	446.7	53.5	47.7	49.6	49.6
25°	1775.4	1611.2	1311.5	318.8	45.8	45.8	47.7	49.6
27.5°	1746.7	1555.8	1191.2	215.7	40.1	45.8	47.7	49.6
30°	1679.9	1462.3	1046.1	137.4	38.2	43.9	47.7	49.6
32.5°	1555.8	1277.1	883.9	82.1	36.3	43.9	49.6	49.6
35°	1307.7	1071.0	700.6	42.0	36.3	43.9	49.6	51.5
37.5°	1143.5	893.4	488.7	28.6	36.3	43.9	49.6	51.5
40°	948.8	645.2	204.3	26.7	36.3	43.9	49.6	53.5
42.5°	656.7	280.6	32.5	24.8	34.4	43.9	51.5	53.5
45°	236.7	36.3	15.3	24.8	34.4	43.9	51.5	53.5
47.5°	21.0	13.4	15.3	24.8	34.4	43.9	51.5	55.4
50°	13.4	13.4	13.4	22.9	34.4	43.9	51.5	55.4
52.5°	13.4	13.4	13.4	22.9	32.5	43.9	53.5	55.4
55°	13.4	13.4	13.4	21.0	32.5	43.9	51.5	55.4
57.5°	13.4	13.4	15.3	21.0	32.5	42.0	51.5	53.5
60°	13.4	13.4	13.4	21.0	30.5	40.1	49.6	51.5
62.5°	11.5	13.4	13.4	19.1	28.6	38.2	47.7	49.6
65°	11.5	11.5	13.4	17.2	26.7	36.3	43.9	47.7
67.5°	9.5	11.5	11.5	15.3	22.9	32.5	40.1	43.9
70°	9.5	9.5	9.5	13.4	21.0	28.6	38.2	40.1
72.5°	7.6	9.5	9.5	11.5	17.2	24.8	32.5	36.3
75°	7.6	7.6	7.6	9.5	15.3	22.9	28.6	30.5
77.5°	5.7	5.7	7.6	7.6	13.4	17.2	24.8	26.7
80°	5.7	5.7	5.7	7.6	9.5	15.3	19.1	21.0
82.5°	3.8	3.8	3.8	5.7	7.6	9.5	13.4	15.3
85°	3.8	3.8	3.8	3.8	5.7	7.6	9.5	9.5
87.5°	1.9	1.9	1.9	3.8	3.8	3.8	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)