

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: P1319577

Luminaire Tested: LDSQA3D20R559835D010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319577
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R559835D010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

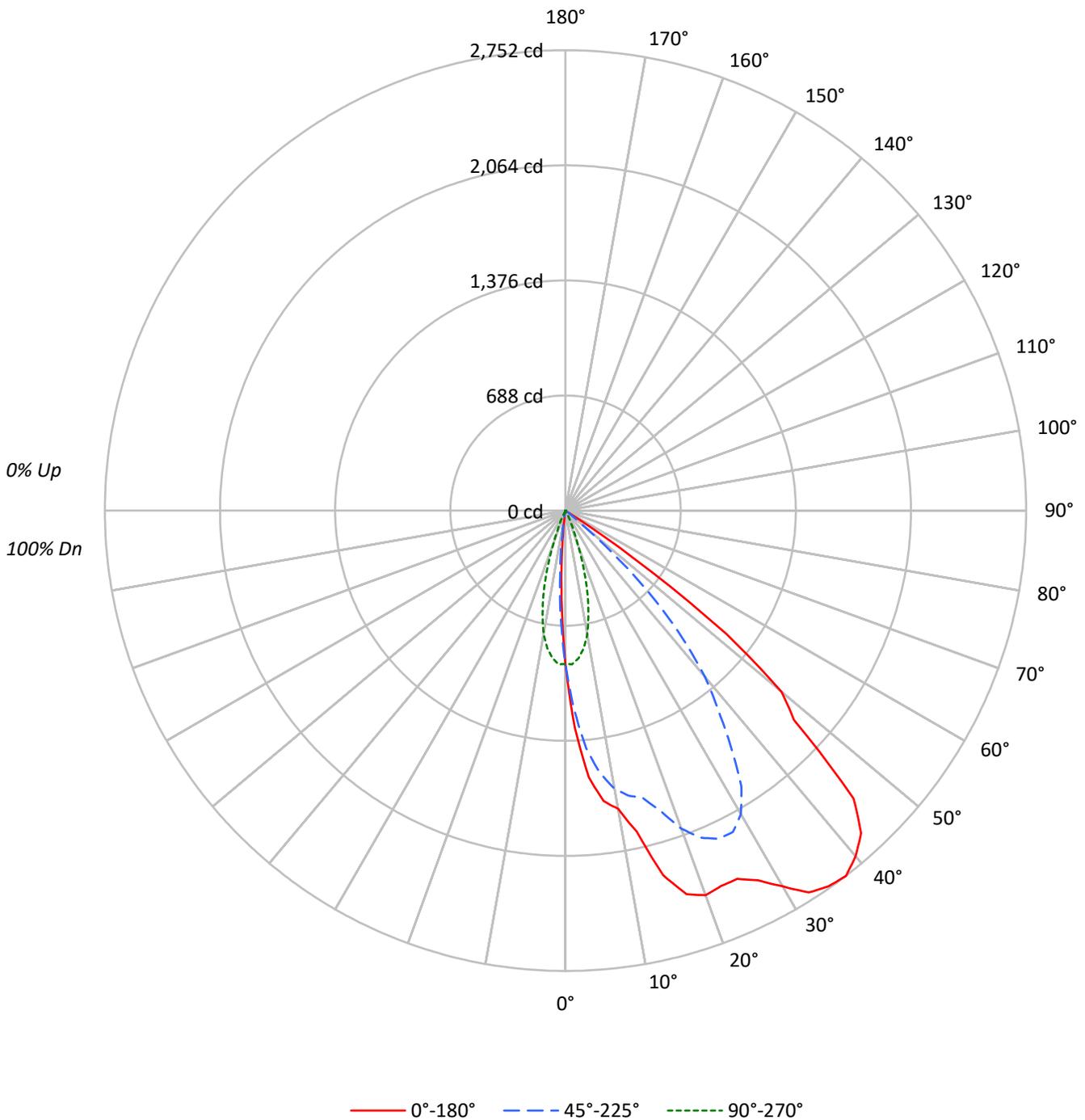
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1696.0 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
Input Voltage (V): NR
Input Current (A_{in}): 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

TEST NUMBER: P1319577
CATALOG NUMBER: LDSQA3D20R559835D010 3LSQCA30R 1MB

Luminous Intensity Polar Plot





TEST NUMBER: P1319577

CATALOG NUMBER: LDSQA3D20R559835D010 3LSQCA30R 1MB

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	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	100													
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91													
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82													
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73													
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66													
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59													
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53													
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48													
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44													
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40													
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	157825	157825	157825	157825	157825
5°	276643	246614	153207	63655	36651
10°	316637	295179	131002	6960	2501
15°	402383	316853	89791	1426	856
20°	448384	370693	39441	0	0
25°	461575	411294	11212	0	0
30°	515678	416802	1591	0	0
35°	576366	361895	0	0	0
40°	606274	291323	0	0	0
45°	592775	184009	0	0	0
50°	451383	37591	0	0	0
55°	147879	0	0	0	0
60°	0	0	0	0	0
65°	0	652	652	0	0
70°	0	806	806	0	0
75°	0	1065	1065	0	0
80°	0	1587	3174	1587	0
85°	0	3162	3162	3162	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 592775 cd/sqm



TEST NUMBER: P1319577

CATALOG NUMBER: LDSQA3D20R559835D010 3LSQCA30R 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.7	4.9
10°-20°	245.4	14.5
20°-30°	399.1	23.5
30°-40°	474.3	28.0
40°-50°	387.8	22.9
50°-60°	102.8	6.1
60°-70°	0.7	0.0
70°-80°	1.1	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°	728.2	42.9
0°-40°	1202.5	70.9
0°-60°	1693.1	99.8
0°-90°	1696.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1696.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	916	916	916	916	916	
5°	1600	1426	886	368	212	157
15°	2257	1777	504	8	5	631
25°	2429	2164	59	0	0	1144
35°	2741	1721	0	0	0	1704
45°	2434	756	0	0	0	1747
55°	492	0	0	0	0	554
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	



TEST NUMBER: P1319577
 CATALOG NUMBER: LDSQA3D20R559835D010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	916.4	916.4	916.4	916.4	916.4	916.4	916.4	916.4	916.4	916.4	916.4
2.5°	1300.6	1291.0	1292.6	1287.8	1292.6	1271.9	1249.6	1228.8	1212.9	1190.6	1055.1
5°	1600.2	1584.3	1579.5	1573.1	1566.7	1541.2	1520.5	1495.0	1464.7	1426.5	1177.8
7.5°	1751.6	1738.9	1732.5	1735.7	1721.3	1711.8	1684.7	1656.0	1624.1	1582.7	1270.3
10°	1810.6	1797.8	1796.2	1794.6	1793.0	1786.7	1773.9	1748.4	1719.7	1687.9	1322.9
12.5°	1965.2	1936.5	1917.4	1895.0	1868.0	1832.9	1804.2	1781.9	1770.7	1745.2	1346.8
15°	2256.8	2229.7	2209.0	2180.3	2129.3	2054.4	1985.9	1898.2	1821.7	1777.1	1337.2
17.5°	2403.5	2390.7	2373.2	2354.1	2319.0	2264.8	2194.7	2102.2	2005.0	1879.1	1291.0
20°	2446.5	2440.1	2427.4	2419.4	2395.5	2357.3	2309.4	2237.7	2146.9	2022.6	1219.3
22.5°	2429.0	2433.8	2440.1	2460.9	2464.0	2436.9	2392.3	2323.8	2231.3	2116.6	1109.3
25°	2429.0	2425.8	2425.8	2468.8	2495.9	2483.2	2451.3	2389.1	2295.1	2164.4	973.8
27.5°	2491.1	2472.0	2432.2	2476.8	2521.4	2516.6	2487.9	2414.6	2309.4	2166.0	808.1
30°	2593.1	2551.7	2486.4	2527.8	2569.2	2551.7	2505.5	2411.4	2277.6	2095.9	605.7
32.5°	2706.3	2687.2	2653.7	2680.8	2674.4	2604.3	2521.4	2390.7	2212.2	1955.6	408.0
35°	2741.4	2744.6	2722.2	2717.5	2680.8	2609.1	2521.4	2331.8	2075.1	1721.3	242.3
37.5°	2752.5	2754.1	2719.1	2674.4	2620.2	2535.8	2430.6	2210.6	1821.7	1495.0	129.1
40°	2696.7	2695.1	2637.8	2583.6	2523.0	2440.1	2287.1	1955.6	1581.1	1295.8	46.2
42.5°	2613.9	2593.1	2538.9	2472.0	2398.7	2295.1	2056.0	1651.2	1373.9	1037.6	3.2
45°	2433.8	2414.6	2371.6	2299.9	2218.6	2072.0	1694.2	1418.5	1117.3	755.5	0.0
47.5°	1850.4	1840.9	1885.5	1895.0	1893.5	1726.1	1413.7	1157.1	820.8	439.9	0.0
50°	1684.7	1671.9	1627.3	1569.9	1467.9	1327.6	1133.2	857.5	481.3	140.3	0.0
52.5°	1209.7	1251.1	1260.7	1217.7	1122.0	983.4	781.0	494.1	167.4	0.0	0.0
55°	492.5	467.0	486.1	510.0	529.1	486.1	360.2	175.3	1.6	0.0	0.0
57.5°	0.0	1.6	9.6	22.3	36.7	46.2	49.4	3.2	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6	1.6	1.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	3.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1319577
 CATALOG NUMBER: LDSQA3D20R559835D010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	916.4	916.4	916.4	916.4	916.4
2.5°	919.6	777.8	640.7	565.8	529.1
5°	886.2	594.5	368.2	255.0	212.0
7.5°	830.4	408.0	146.6	60.6	43.0
10°	749.1	234.3	39.8	15.9	14.3
12.5°	632.7	106.8	14.3	11.2	11.2
15°	503.6	36.7	8.0	6.4	4.8
17.5°	353.8	9.6	3.2	0.0	0.0
20°	215.2	1.6	0.0	0.0	0.0
22.5°	119.5	0.0	0.0	0.0	0.0
25°	59.0	0.0	0.0	0.0	0.0
27.5°	25.5	0.0	0.0	0.0	0.0
30°	8.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	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°	1.6	0.0	0.0	0.0	0.0
65°	1.6	1.6	0.0	0.0	0.0
67.5°	1.6	1.6	0.0	0.0	0.0
70°	1.6	1.6	0.0	0.0	0.0
72.5°	1.6	1.6	0.0	0.0	0.0
75°	1.6	1.6	0.0	0.0	0.0
77.5°	3.2	1.6	1.6	0.0	0.0
80°	3.2	1.6	1.6	0.0	0.0
82.5°	3.2	1.6	1.6	0.0	0.0
85°	1.6	1.6	1.6	0.0	0.0
87.5°	3.2	1.6	1.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)