

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: P1309604

Luminaire Tested: LDSQA3D20R559030D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309604
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R559030D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

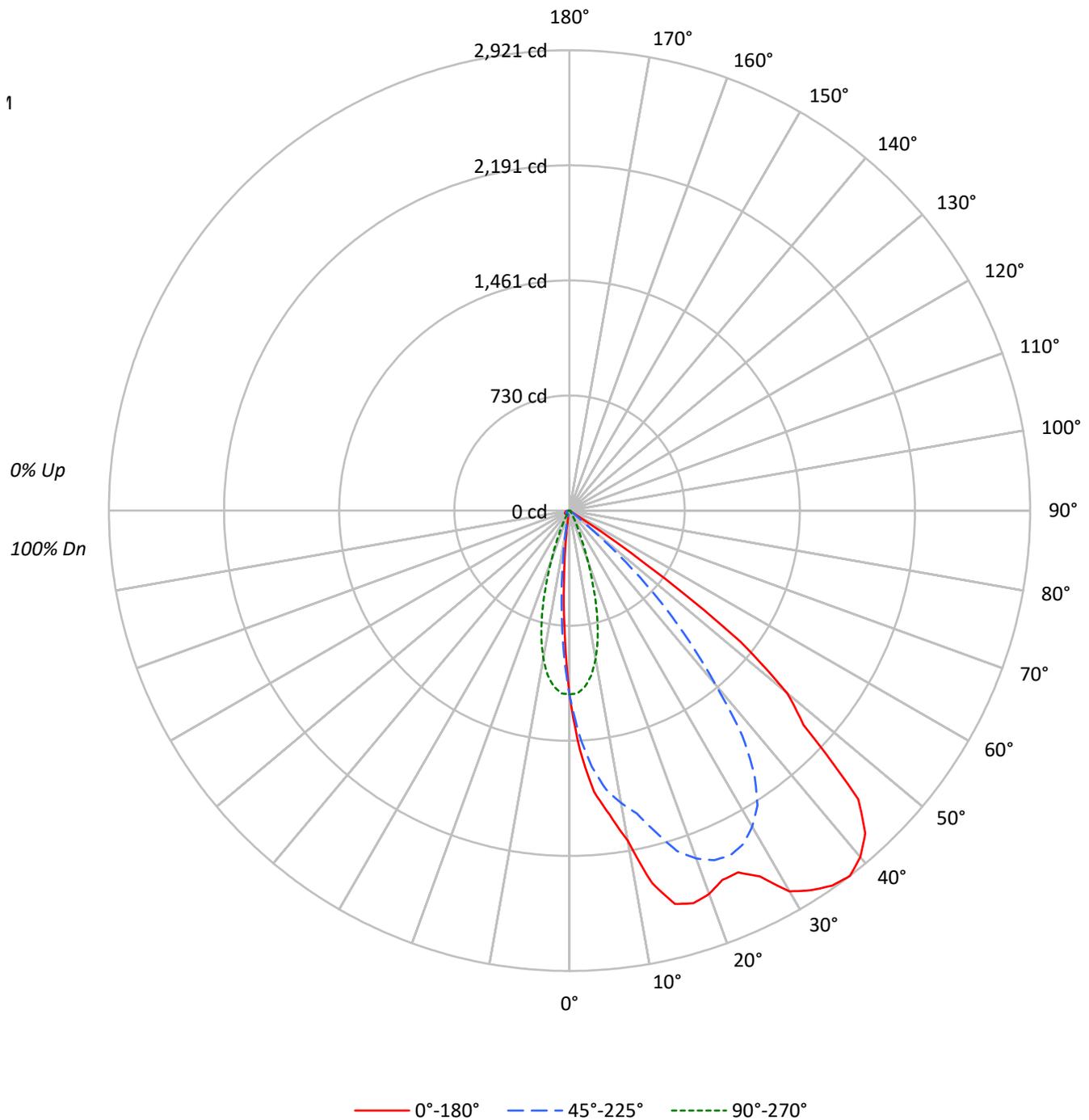
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1945.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 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

TEST NUMBER: P1309604
CATALOG NUMBER: LDSQA3D20R559030D010 3LSQCA30R 1MW

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	100	100	100	100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91	91	91	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81	81	81	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73	73	73	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65	65	65	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59	59	59	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53	53	53	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48	48	48	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44	44	44	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40	40	40	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	200777	200777	200777	200777	200777
5°	309612	281864	193937	99596	65435
10°	371986	329438	166940	25113	10038
15°	460597	376244	119281	6936	5420
20°	474372	430404	61617	4637	4637
25°	481262	458458	24722	4181	4808
30°	554716	460632	10759	4375	5031
35°	610615	429446	4625	4625	5677
40°	644966	323247	2653	5328	6070
45°	630819	197527	2460	5772	7404
50°	482543	42092	2706	6779	8601
55°	177034	1531	3033	7597	9638
60°	1757	1757	3479	8714	11057
65°	2078	2078	4116	8965	11696
70°	1712	2568	4230	10222	13596
75°	1131	2262	4525	11246	15770
80°	1686	3372	5058	11703	16761
85°	0	3359	6719	13437	16599

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 630819 cd/sqm



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CATALOG NUMBER: LDSQA3D20R559030D010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.6	5.3
10°-20°	293.9	15.1
20°-30°	450.9	23.2
30°-40°	525.4	27.0
40°-50°	419.8	21.6
50°-60°	124.3	6.4
60°-70°	13.3	0.7
70°-80°	10.4	0.5
80°-90°	4.4	0.2
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°	847.4	43.6
0°-40°	1372.7	70.6
0°-60°	1916.8	98.5
0°-90°	1945.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1945.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1166	1166	1166	1166	1166	
5°	1791	1630	1122	576	378	178
15°	2583	2110	669	39	30	713
25°	2533	2413	130	22	25	1203
35°	2904	2043	22	22	27	1809
45°	2590	811	10	24	30	1867
55°	590	5	10	25	32	625
65°	5	5	10	22	29	4
75°	2	3	7	17	24	2
85°	0	2	3	7	8	1
90°	0	0	0	0	0	



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 CATALOG NUMBER: LDSQA3D20R559030D010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8
2.5°	1520.6	1520.6	1515.5	1517.2	1513.8	1495.2	1491.8	1468.2	1447.9	1426.0	1407.4
5°	1790.9	1794.3	1789.2	1779.1	1765.5	1752.0	1723.3	1701.3	1672.6	1630.4	1591.5
7.5°	1944.6	1941.3	1932.8	1929.4	1921.0	1905.8	1885.5	1861.8	1828.1	1785.8	1740.2
10°	2127.1	2098.4	2089.9	2076.4	2049.4	2019.0	1983.5	1951.4	1922.7	1883.8	1834.8
12.5°	2421.1	2416.0	2382.2	2356.9	2319.7	2252.1	2191.3	2120.3	2035.9	1968.3	1904.1
15°	2583.3	2586.6	2571.4	2551.2	2527.5	2471.8	2410.9	2328.2	2228.5	2110.2	2005.5
17.5°	2612.0	2617.1	2608.6	2600.2	2593.4	2561.3	2524.1	2465.0	2373.8	2264.0	2108.5
20°	2588.3	2598.5	2600.2	2610.3	2623.8	2610.3	2579.9	2539.3	2463.3	2348.4	2199.7
22.5°	2536.0	2554.5	2568.1	2603.5	2639.0	2639.0	2620.4	2588.3	2514.0	2400.8	2248.7
25°	2532.6	2536.0	2541.0	2598.5	2654.2	2666.1	2649.2	2615.4	2534.3	2412.6	2247.1
27.5°	2617.1	2595.1	2561.3	2618.7	2684.6	2694.8	2671.1	2625.5	2529.2	2385.6	2189.6
30°	2789.4	2740.4	2669.4	2711.7	2757.3	2745.5	2698.2	2625.5	2495.4	2316.3	2081.5
32.5°	2855.3	2828.2	2802.9	2848.5	2857.0	2808.0	2723.5	2615.4	2441.4	2218.3	1904.1
35°	2904.3	2906.0	2895.8	2904.3	2863.7	2794.5	2701.5	2559.6	2340.0	2042.6	1669.2
37.5°	2921.2	2924.6	2902.6	2872.2	2811.4	2731.9	2620.4	2458.2	2171.0	1801.0	1314.4
40°	2868.8	2858.7	2823.2	2780.9	2715.1	2634.0	2512.3	2270.7	1919.3	1437.8	1025.5
42.5°	2775.9	2759.0	2716.7	2666.1	2596.8	2493.7	2299.4	2007.1	1559.4	1121.8	718.0
45°	2590.0	2578.2	2525.8	2488.7	2405.9	2272.4	2022.4	1654.0	1206.3	811.0	415.6
47.5°	2012.2	2013.9	2054.5	2073.0	2044.3	1937.9	1643.9	1257.0	880.2	483.2	140.2
50°	1801.0	1792.6	1752.0	1696.3	1603.4	1444.5	1206.3	888.7	520.4	157.1	20.3
52.5°	1366.8	1366.8	1346.5	1317.8	1219.8	1066.1	816.0	491.6	182.5	27.0	5.1
55°	589.6	559.2	576.1	608.2	582.9	506.9	381.8	147.0	32.1	5.1	5.1
57.5°	8.4	20.3	30.4	49.0	65.9	79.4	42.2	15.2	5.1	5.1	5.1
60°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
62.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
65°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
67.5°	3.4	3.4	3.4	5.1	3.4	5.1	5.1	5.1	5.1	5.1	5.1
70°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	5.1	5.1
72.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
75°	1.7	1.7	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	3.4	3.4	3.4
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	3.4
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4
85°	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
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: P1309604

CATALOG NUMBER: LDSQA3D20R559030D010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8
2.5°	1380.3	1351.6	1304.3	1160.7	1012.0	875.2	777.2	740.0
5°	1547.6	1495.2	1415.8	1121.8	826.2	576.1	434.2	378.5
7.5°	1679.4	1611.8	1496.9	1054.3	606.5	307.5	184.2	145.3
10°	1767.2	1692.9	1542.5	954.6	402.1	143.6	69.3	57.4
12.5°	1831.4	1738.5	1559.4	826.2	236.5	65.9	37.2	33.8
15°	1878.7	1758.8	1539.1	669.0	130.1	38.9	30.4	30.4
17.5°	1944.6	1768.9	1490.2	493.3	74.3	28.7	28.7	28.7
20°	1995.3	1768.9	1397.2	336.2	45.6	25.3	25.3	25.3
22.5°	2020.7	1741.9	1284.0	212.9	32.1	23.7	25.3	25.3
25°	1995.3	1676.0	1138.7	130.1	25.3	22.0	23.7	25.3
27.5°	1902.4	1544.2	944.4	82.8	20.3	22.0	23.7	25.3
30°	1747.0	1353.3	724.8	54.1	18.6	22.0	23.7	25.3
32.5°	1527.3	1069.5	469.7	35.5	16.9	22.0	23.7	25.3
35°	1192.8	756.9	283.8	22.0	16.9	22.0	25.3	27.0
37.5°	893.8	505.2	153.7	13.5	16.9	22.0	25.3	27.0
40°	620.1	294.0	65.9	11.8	16.9	23.7	27.0	27.0
42.5°	359.9	116.6	16.9	10.1	16.9	23.7	27.0	28.7
45°	131.8	23.7	5.1	10.1	18.6	23.7	27.0	30.4
47.5°	18.6	5.1	5.1	10.1	18.6	23.7	28.7	30.4
50°	5.1	5.1	5.1	10.1	18.6	25.3	30.4	32.1
52.5°	5.1	5.1	5.1	10.1	18.6	25.3	30.4	32.1
55°	5.1	5.1	5.1	10.1	18.6	25.3	30.4	32.1
57.5°	5.1	5.1	5.1	10.1	18.6	25.3	30.4	32.1
60°	5.1	5.1	5.1	10.1	16.9	25.3	30.4	32.1
62.5°	5.1	5.1	5.1	10.1	16.9	23.7	28.7	30.4
65°	5.1	5.1	5.1	10.1	15.2	22.0	28.7	28.7
67.5°	5.1	5.1	5.1	8.4	15.2	22.0	27.0	28.7
70°	5.1	5.1	5.1	8.4	13.5	20.3	25.3	27.0
72.5°	5.1	5.1	5.1	6.8	11.8	18.6	23.7	25.3
75°	3.4	5.1	5.1	6.8	11.8	16.9	22.0	23.7
77.5°	3.4	5.1	5.1	5.1	10.1	13.5	18.6	20.3
80°	3.4	3.4	5.1	5.1	8.4	11.8	15.2	16.9
82.5°	3.4	3.4	3.4	5.1	6.8	8.4	11.8	11.8
85°	3.4	3.4	3.4	3.4	5.1	6.8	8.4	8.4
87.5°	1.7	1.7	3.4	3.4	3.4	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)