

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: P1310868

Luminaire Tested: LDSQA3D24R559035D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310868
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: LDSQA3D24R559035D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

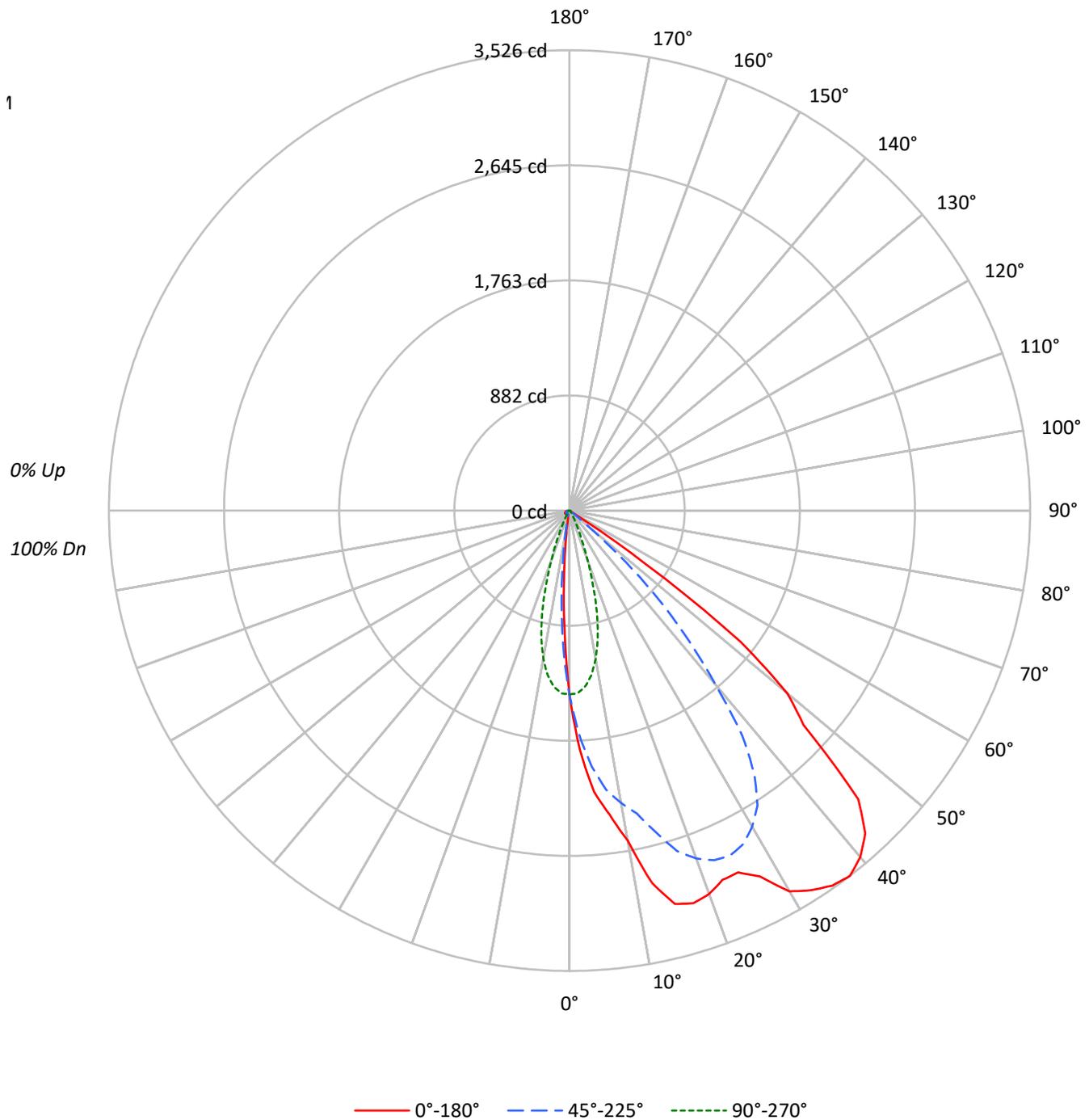
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2348.0 lumens
Efficiency: N/A
Efficacy: 81.5 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: P1310868
CATALOG NUMBER: LDSQA3D24R559035D010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1310868

CATALOG NUMBER: LDSQA3D24R559035D010 3LSQCA30R 1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	242369	242369	242369	242369	242369
5°	373768	340263	234132	120238	78989
10°	449055	397693	201531	30324	12119
15°	556022	454196	144011	8362	6544
20°	572663	519586	74392	5608	5608
25°	580969	553453	29834	5036	5815
30°	669640	556088	12986	5270	6085
35°	737119	518443	5571	5571	6854
40°	778599	390221	3215	6430	7329
45°	761538	238445	2971	6966	8939
50°	582535	50826	3269	8199	10396
55°	213726	1832	3663	9188	11650
60°	2101	2101	4202	10540	13364
65°	2486	2486	4972	10799	14141
70°	2065	3072	5136	12337	16416
75°	1331	2728	5456	13575	19031
80°	1984	4066	6050	14183	20233
85°	0	3952	8102	16203	20156

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 761538 cd/sqm



TEST NUMBER: P1310868

CATALOG NUMBER: LDSQA3D24R559035D010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.9	5.3
10°-20°	354.8	15.1
20°-30°	544.3	23.2
30°-40°	634.2	27.0
40°-50°	506.8	21.6
50°-60°	150.0	6.4
60°-70°	16.1	0.7
70°-80°	12.6	0.5
80°-90°	5.4	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°	1023.0	43.6
0°-40°	1657.2	70.6
0°-60°	2314.0	98.6
0°-90°	2348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2348.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1407	1407	1407	1407	1407	
5°	2162	1968	1354	696	457	215
15°	3118	2547	808	47	37	861
25°	3057	2912	157	26	31	1452
35°	3506	2466	26	26	33	2184
45°	3127	979	12	29	37	2254
55°	712	6	12	31	39	754
65°	6	6	12	26	35	5
75°	2	4	8	20	29	3
85°	0	2	4	8	10	1
90°	0	0	0	0	0	



TEST NUMBER: P1310868
 CATALOG NUMBER: LDSQA3D24R559035D010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1407.3	1407.3	1407.3	1407.3	1407.3	1407.3	1407.3	1407.3	1407.3	1407.3	1407.3
2.5°	1835.6	1835.6	1829.5	1831.5	1827.5	1805.0	1800.9	1772.4	1747.9	1721.4	1699.0
5°	2162.0	2166.0	2159.9	2147.7	2131.4	2115.0	2080.4	2053.9	2019.2	1968.2	1921.3
7.5°	2347.6	2343.5	2333.3	2329.2	2319.0	2300.6	2276.2	2247.6	2206.8	2155.8	2100.8
10°	2567.8	2533.2	2523.0	2506.6	2474.0	2437.3	2394.5	2355.7	2321.0	2274.1	2215.0
12.5°	2922.7	2916.6	2875.8	2845.2	2800.3	2718.8	2645.3	2559.7	2457.7	2376.1	2298.6
15°	3118.5	3122.6	3104.2	3079.8	3051.2	2983.9	2910.5	2810.5	2690.2	2547.4	2421.0
17.5°	3153.2	3159.3	3149.1	3138.9	3130.8	3092.0	3047.1	2975.7	2865.6	2733.0	2545.4
20°	3124.6	3136.9	3138.9	3151.2	3167.5	3151.2	3114.4	3065.5	2973.7	2835.0	2655.5
22.5°	3061.4	3083.8	3100.2	3143.0	3185.8	3185.8	3163.4	3124.6	3034.9	2898.2	2714.7
25°	3057.3	3061.4	3067.5	3136.9	3204.2	3218.5	3198.1	3157.3	3059.4	2912.5	2712.6
27.5°	3159.3	3132.8	3092.0	3161.3	3240.9	3253.1	3224.6	3169.5	3053.3	2879.9	2643.3
30°	3367.3	3308.2	3222.5	3273.5	3328.6	3314.3	3257.2	3169.5	3012.5	2796.3	2512.8
32.5°	3446.9	3414.3	3383.7	3438.7	3448.9	3389.8	3287.8	3157.3	2947.2	2678.0	2298.6
35°	3506.0	3508.1	3495.8	3506.0	3457.1	3373.5	3261.3	3090.0	2824.8	2465.9	2015.1
37.5°	3526.4	3530.5	3504.0	3467.3	3393.9	3298.0	3163.4	2967.6	2620.9	2174.2	1586.8
40°	3463.2	3451.0	3408.1	3357.1	3277.6	3179.7	3032.9	2741.2	2317.0	1735.7	1238.0
42.5°	3351.0	3330.6	3279.6	3218.5	3134.8	3010.4	2775.9	2423.0	1882.5	1354.3	866.8
45°	3126.7	3112.4	3049.2	3004.3	2904.4	2743.2	2441.4	1996.7	1456.3	979.0	501.7
47.5°	2429.1	2431.2	2480.1	2502.6	2467.9	2339.4	1984.5	1517.4	1062.6	583.3	169.3
50°	2174.2	2164.0	2115.0	2047.7	1935.6	1743.8	1456.3	1072.8	628.2	189.7	24.5
52.5°	1650.0	1650.0	1625.5	1590.9	1472.6	1287.0	985.1	593.5	220.3	32.6	6.1
55°	711.8	675.1	695.5	734.2	703.7	611.9	460.9	177.4	38.8	6.1	6.1
57.5°	10.2	24.5	36.7	59.1	79.5	95.9	51.0	18.4	6.1	6.1	6.1
60°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
62.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
65°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
67.5°	4.1	4.1	4.1	6.1	4.1	6.1	6.1	6.1	6.1	6.1	6.1
70°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.1	6.1
72.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
75°	2.0	2.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1	4.1	4.1	4.1
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1	4.1
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1
85°	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



TEST NUMBER: P1310868

CATALOG NUMBER: LDSQA3D24R559035D010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1407.3	1407.3	1407.3	1407.3	1407.3	1407.3	1407.3	1407.3
2.5°	1666.3	1631.7	1574.6	1401.2	1221.7	1056.5	938.2	893.3
5°	1868.3	1805.0	1709.2	1354.3	997.4	695.5	524.2	456.9
7.5°	2027.3	1945.8	1807.1	1272.7	732.2	371.2	222.3	175.4
10°	2133.4	2043.7	1862.1	1152.4	485.4	173.4	83.6	69.3
12.5°	2210.9	2098.7	1882.5	997.4	285.5	79.5	44.9	40.8
15°	2268.0	2123.2	1858.1	807.7	157.0	46.9	36.7	36.7
17.5°	2347.6	2135.4	1798.9	595.6	89.7	34.7	34.7	34.7
20°	2408.7	2135.4	1686.7	405.9	55.1	30.6	30.6	30.6
22.5°	2439.3	2102.8	1550.1	257.0	38.8	28.6	30.6	30.6
25°	2408.7	2023.3	1374.7	157.0	30.6	26.5	28.6	30.6
27.5°	2296.6	1864.2	1140.1	99.9	24.5	26.5	28.6	30.6
30°	2108.9	1633.7	875.0	65.3	22.4	26.5	28.6	30.6
32.5°	1843.8	1291.1	567.0	42.8	20.4	26.5	28.6	30.6
35°	1439.9	913.7	342.6	26.5	20.4	26.5	30.6	32.6
37.5°	1078.9	609.8	185.6	16.3	20.4	26.5	30.6	32.6
40°	748.5	354.9	79.5	14.3	20.4	28.6	32.6	32.6
42.5°	434.4	140.7	20.4	12.2	20.4	28.6	32.6	34.7
45°	159.1	28.6	6.1	12.2	22.4	28.6	32.6	36.7
47.5°	22.4	6.1	6.1	12.2	22.4	28.6	34.7	36.7
50°	6.1	6.1	6.1	12.2	22.4	30.6	36.7	38.8
52.5°	6.1	6.1	6.1	12.2	22.4	30.6	36.7	38.8
55°	6.1	6.1	6.1	12.2	22.4	30.6	36.7	38.8
57.5°	6.1	6.1	6.1	12.2	22.4	30.6	36.7	38.8
60°	6.1	6.1	6.1	12.2	20.4	30.6	36.7	38.8
62.5°	6.1	6.1	6.1	12.2	20.4	28.6	34.7	36.7
65°	6.1	6.1	6.1	12.2	18.4	26.5	34.7	34.7
67.5°	6.1	6.1	6.1	10.2	18.4	26.5	32.6	34.7
70°	6.1	6.1	6.1	10.2	16.3	24.5	30.6	32.6
72.5°	6.1	6.1	6.1	8.2	14.3	22.4	28.6	30.6
75°	4.1	6.1	6.1	8.2	14.3	20.4	26.5	28.6
77.5°	4.1	6.1	6.1	6.1	12.2	16.3	22.4	24.5
80°	4.1	4.1	6.1	6.1	10.2	14.3	18.4	20.4
82.5°	4.1	4.1	4.1	6.1	8.2	10.2	14.3	14.3
85°	4.1	4.1	4.1	4.1	6.1	8.2	10.2	10.2
87.5°	2.0	2.0	4.1	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)