

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: P1309750

Luminaire Tested: LDSQA3D24R559030D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309750
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: LDSQA3D24R559030D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

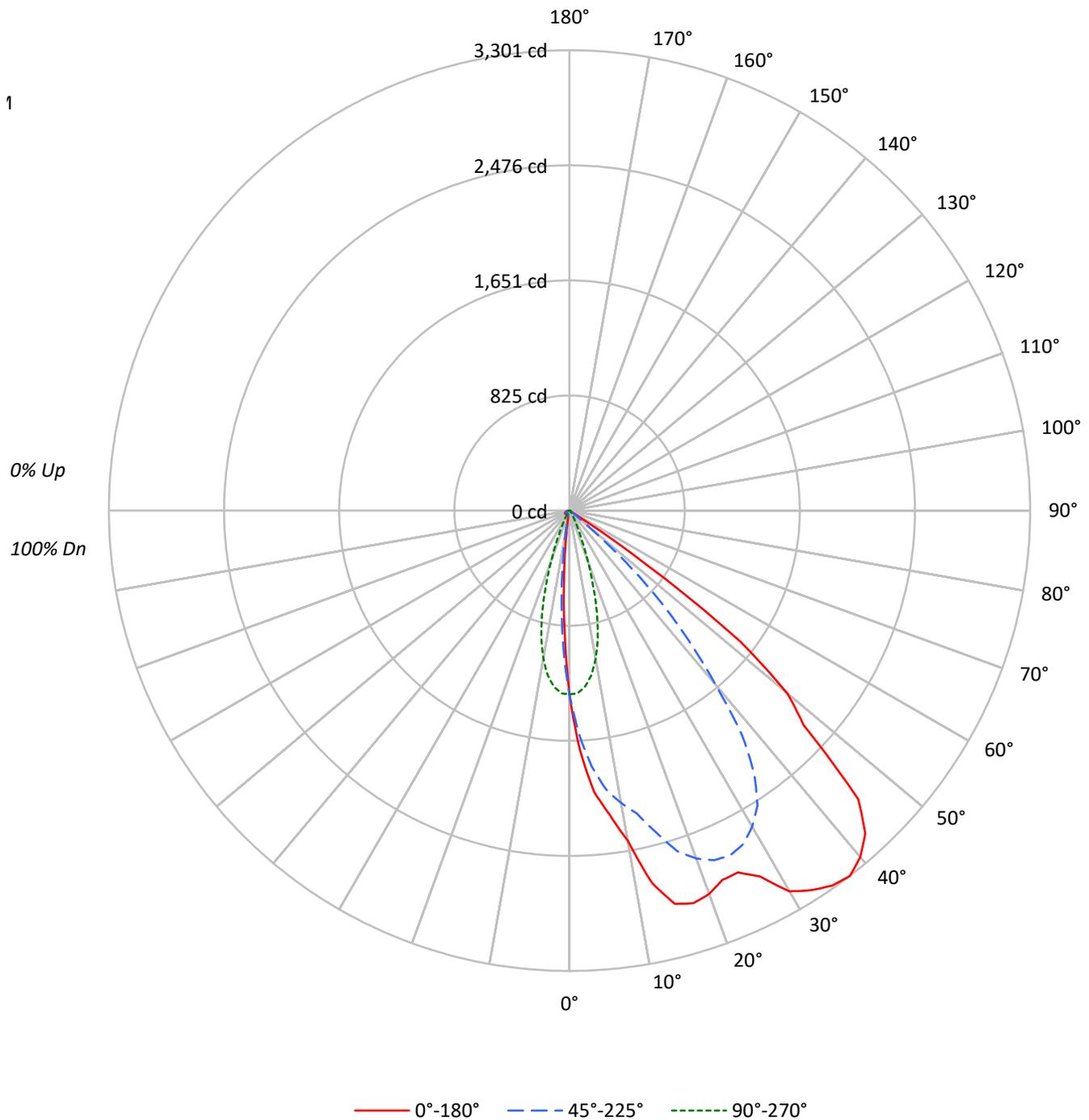
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2198.0 lumens
Efficiency: N/A
Efficacy: 76.3 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 (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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	226886	226886	226886	226886	226886
5°	349876	318532	219178	112562	73941
10°	420375	372301	188642	28383	11350
15°	520505	425187	134811	7827	6133
20°	536081	486395	69626	5242	5242
25°	543856	518108	27934	4713	5435
30°	626864	520551	12151	4932	5688
35°	690045	485309	5214	5214	6412
40°	728869	365289	3013	6003	6857
45°	712875	223222	2801	6503	8378
50°	545320	47585	3081	7663	9726
55°	200064	1711	3453	8587	10899
60°	1963	1963	3961	9851	12503
65°	2323	2323	4686	10106	13244
70°	1913	2870	4784	11531	15358
75°	1264	2529	5057	12709	17767
80°	1884	3769	5653	13290	18943
85°	0	3754	7509	15018	18772

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 712875 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.0	5.3
10°-20°	332.1	15.1
20°-30°	509.5	23.2
30°-40°	593.7	27.0
40°-50°	474.4	21.6
50°-60°	140.4	6.4
60°-70°	15.0	0.7
70°-80°	11.8	0.5
80°-90°	5.0	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°	957.6	43.6
0°-40°	1551.3	70.6
0°-60°	2166.1	98.6
0°-90°	2198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2198.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1317	1317	1317	1317	1317	
5°	2024	1842	1268	651	428	202
15°	2919	2385	756	44	34	806
25°	2862	2726	147	25	29	1359
35°	3282	2308	25	25	30	2044
45°	2927	916	12	27	34	2110
55°	666	6	12	29	36	706
65°	6	6	12	25	32	5
75°	2	4	8	19	27	3
85°	0	2	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°	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4
2.5°	1718.4	1718.4	1712.6	1714.5	1710.7	1689.7	1685.9	1659.2	1636.3	1611.4	1590.4
5°	2023.8	2027.7	2021.9	2010.5	1995.2	1979.9	1947.5	1922.6	1890.2	1842.5	1798.5
7.5°	2197.6	2193.8	2184.2	2180.4	2170.9	2153.7	2130.8	2104.0	2065.8	2018.1	1966.6
10°	2403.8	2371.3	2361.8	2346.5	2316.0	2281.6	2241.5	2205.2	2172.8	2128.9	2073.5
12.5°	2736.0	2730.3	2692.1	2663.5	2621.4	2545.1	2476.3	2396.2	2300.7	2224.3	2151.8
15°	2919.3	2923.1	2905.9	2883.0	2856.3	2793.3	2724.5	2631.0	2518.3	2384.7	2266.3
17.5°	2951.8	2957.5	2947.9	2938.4	2930.8	2894.5	2852.5	2785.6	2682.5	2558.4	2382.8
20°	2925.0	2936.5	2938.4	2949.8	2965.1	2949.8	2915.5	2869.7	2783.7	2653.9	2485.9
22.5°	2865.8	2886.8	2902.1	2942.2	2982.3	2982.3	2961.3	2925.0	2841.0	2713.1	2541.3
25°	2862.0	2865.8	2871.6	2936.5	2999.5	3012.8	2993.8	2955.6	2863.9	2726.5	2539.3
27.5°	2957.5	2932.7	2894.5	2959.4	3033.9	3045.3	3018.6	2967.0	2858.2	2695.9	2474.4
30°	3152.2	3096.9	3016.7	3064.4	3116.0	3102.6	3049.1	2967.0	2820.0	2617.6	2352.2
32.5°	3226.7	3196.1	3167.5	3219.1	3228.6	3173.2	3077.8	2955.6	2758.9	2506.9	2151.8
35°	3282.1	3284.0	3272.5	3282.1	3236.2	3158.0	3052.9	2892.6	2644.4	2308.3	1886.4
37.5°	3301.2	3305.0	3280.1	3245.8	3177.0	3087.3	2961.3	2778.0	2453.4	2035.3	1485.4
40°	3242.0	3230.5	3190.4	3142.7	3068.2	2976.6	2839.1	2566.1	2168.9	1624.8	1158.9
42.5°	3137.0	3117.9	3070.1	3012.8	2934.6	2818.1	2598.5	2268.2	1762.3	1267.8	811.4
45°	2926.9	2913.6	2854.4	2812.4	2718.8	2568.0	2285.4	1869.2	1363.2	916.5	469.7
47.5°	2274.0	2275.9	2321.7	2342.7	2310.2	2189.9	1857.7	1420.5	994.7	546.1	158.5
50°	2035.3	2025.7	1979.9	1916.9	1811.9	1632.4	1363.2	1004.3	588.1	177.6	22.9
52.5°	1544.6	1544.6	1521.7	1489.2	1378.5	1204.8	922.2	555.6	206.2	30.5	5.7
55°	666.3	632.0	651.1	687.3	658.7	572.8	431.5	166.1	36.3	5.7	5.7
57.5°	9.5	22.9	34.4	55.4	74.5	89.7	47.7	17.2	5.7	5.7	5.7
60°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
62.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
65°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
67.5°	3.8	3.8	3.8	5.7	3.8	5.7	5.7	5.7	5.7	5.7	5.7
70°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.7	5.7
72.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
75°	1.9	1.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8	3.8	3.8
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8
85°	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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°	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4
2.5°	1559.9	1527.4	1474.0	1311.7	1143.7	989.0	878.3	836.3
5°	1748.9	1689.7	1600.0	1267.8	933.6	651.1	490.7	427.7
7.5°	1897.8	1821.5	1691.6	1191.4	685.4	347.5	208.1	164.2
10°	1997.1	1913.1	1743.2	1078.7	454.4	162.3	78.3	64.9
12.5°	2069.7	1964.7	1762.3	933.6	267.3	74.5	42.0	38.2
15°	2123.1	1987.6	1739.4	756.1	147.0	43.9	34.4	34.4
17.5°	2197.6	1999.0	1684.0	557.5	84.0	32.5	32.5	32.5
20°	2254.9	1999.0	1579.0	379.9	51.6	28.6	28.6	28.6
22.5°	2283.5	1968.5	1451.1	240.6	36.3	26.7	28.6	28.6
25°	2254.9	1894.0	1286.9	147.0	28.6	24.8	26.7	28.6
27.5°	2149.9	1745.1	1067.3	93.6	22.9	24.8	26.7	28.6
30°	1974.2	1529.3	819.1	61.1	21.0	24.8	26.7	28.6
32.5°	1726.0	1208.6	530.8	40.1	19.1	24.8	26.7	28.6
35°	1348.0	855.4	320.8	24.8	19.1	24.8	28.6	30.5
37.5°	1010.0	570.9	173.7	15.3	19.1	24.8	28.6	30.5
40°	700.7	332.2	74.5	13.4	19.1	26.7	30.5	30.5
42.5°	406.7	131.7	19.1	11.5	19.1	26.7	30.5	32.5
45°	148.9	26.7	5.7	11.5	21.0	26.7	30.5	34.4
47.5°	21.0	5.7	5.7	11.5	21.0	26.7	32.5	34.4
50°	5.7	5.7	5.7	11.5	21.0	28.6	34.4	36.3
52.5°	5.7	5.7	5.7	11.5	21.0	28.6	34.4	36.3
55°	5.7	5.7	5.7	11.5	21.0	28.6	34.4	36.3
57.5°	5.7	5.7	5.7	11.5	21.0	28.6	34.4	36.3
60°	5.7	5.7	5.7	11.5	19.1	28.6	34.4	36.3
62.5°	5.7	5.7	5.7	11.5	19.1	26.7	32.5	34.4
65°	5.7	5.7	5.7	11.5	17.2	24.8	32.5	32.5
67.5°	5.7	5.7	5.7	9.5	17.2	24.8	30.5	32.5
70°	5.7	5.7	5.7	9.5	15.3	22.9	28.6	30.5
72.5°	5.7	5.7	5.7	7.6	13.4	21.0	26.7	28.6
75°	3.8	5.7	5.7	7.6	13.4	19.1	24.8	26.7
77.5°	3.8	5.7	5.7	5.7	11.5	15.3	21.0	22.9
80°	3.8	3.8	5.7	5.7	9.5	13.4	17.2	19.1
82.5°	3.8	3.8	3.8	5.7	7.6	9.5	13.4	13.4
85°	3.8	3.8	3.8	3.8	5.7	7.6	9.5	9.5
87.5°	1.9	1.9	3.8	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)