

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: P1310722

Luminaire Tested: LDSQA3D20R559035D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310722
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: LDSQA3D20R559035D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

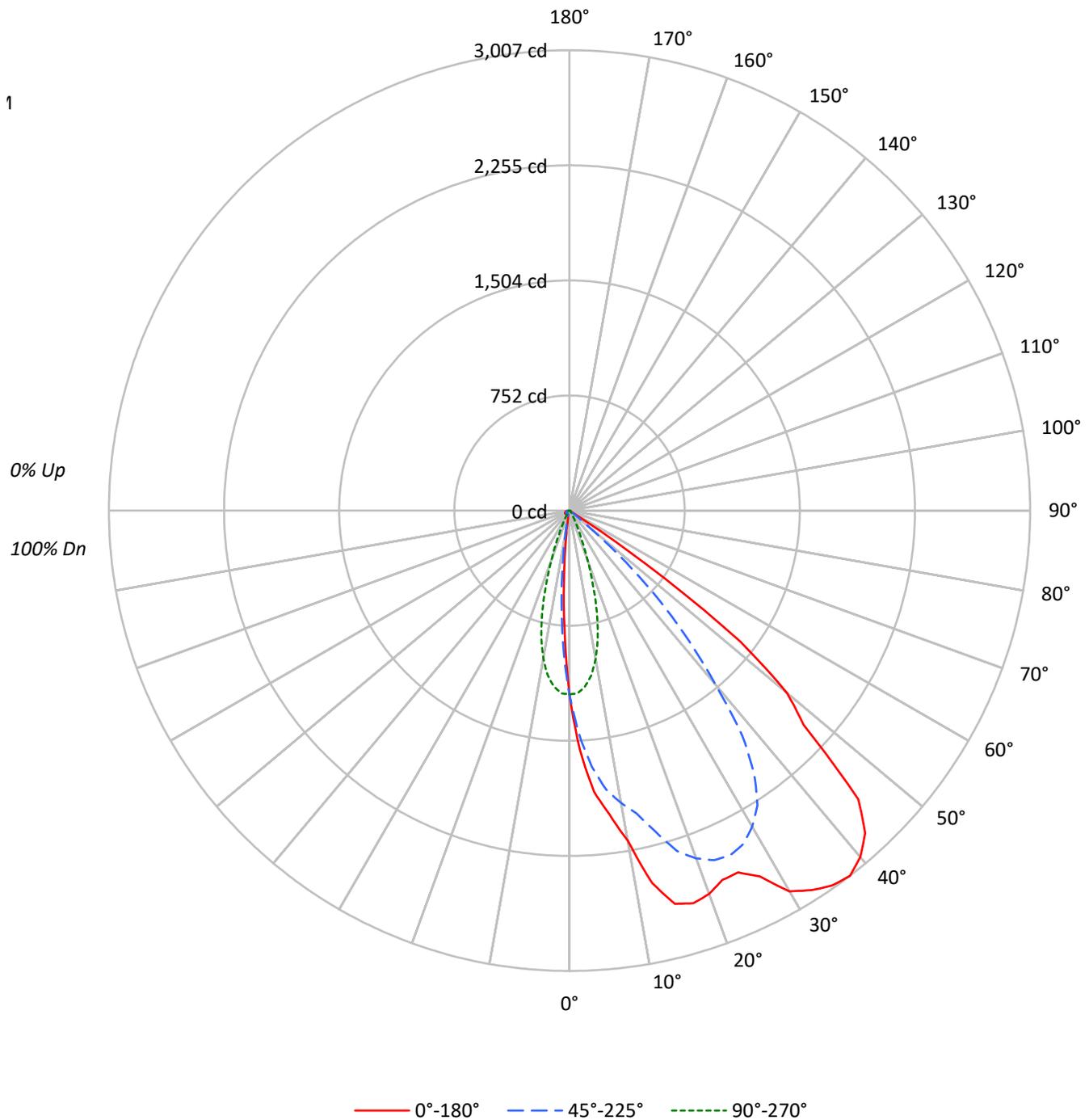
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2002.0 lumens
Efficiency: N/A
Efficacy: 69.5 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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	206650	206650	206650	206650	206650
5°	318688	290128	199625	102518	67337
10°	382881	339091	171837	25847	10335
15°	474094	387263	122794	7132	5581
20°	488283	443032	63432	4783	4783
25°	495361	471893	25445	4295	4960
30°	570963	474135	11057	4494	5190
35°	628506	442040	4752	4752	5845
40°	663873	332712	2743	5463	6250
45°	649306	203299	2533	5918	7623
50°	496690	43324	2786	6993	8842
55°	182228	1561	3123	7837	9909
60°	1791	1791	3582	8990	11367
65°	2119	2119	4238	9210	12062
70°	1762	2618	4381	10524	13999
75°	1131	2329	4658	11578	16170
80°	1686	3471	5157	12100	17257
85°	0	3359	6916	13832	17191

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 649306 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.6	5.3
10°-20°	302.5	15.1
20°-30°	464.1	23.2
30°-40°	540.7	27.0
40°-50°	432.1	21.6
50°-60°	127.9	6.4
60°-70°	13.7	0.7
70°-80°	10.7	0.5
80°-90°	4.6	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°	872.2	43.6
0°-40°	1413.0	70.6
0°-60°	1973.0	98.6
0°-90°	2002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2002.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1200	1200	1200	1200	1200	
5°	1843	1678	1155	593	390	184
15°	2659	2172	689	40	31	734
25°	2607	2483	134	23	26	1238
35°	2989	2102	23	23	28	1862
45°	2666	835	10	24	31	1922
55°	607	5	10	26	33	643
65°	5	5	10	23	30	5
75°	2	4	7	17	24	3
85°	0	2	4	7	9	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°	1199.9	1199.9	1199.9	1199.9	1199.9	1199.9	1199.9	1199.9	1199.9	1199.9	1199.9
2.5°	1565.1	1565.1	1559.9	1561.6	1558.2	1539.0	1535.6	1511.2	1490.3	1467.7	1448.6
5°	1843.4	1846.8	1841.6	1831.2	1817.3	1803.4	1773.8	1751.2	1721.6	1678.2	1638.2
7.5°	2001.6	1998.1	1989.4	1986.0	1977.3	1961.6	1940.8	1916.4	1881.6	1838.2	1791.2
10°	2189.4	2159.9	2151.2	2137.3	2109.4	2078.1	2041.6	2008.6	1979.0	1939.0	1888.6
12.5°	2492.0	2486.8	2452.0	2425.9	2387.7	2318.1	2255.5	2182.5	2095.5	2026.0	1959.9
15°	2659.0	2662.5	2646.8	2625.9	2601.6	2544.2	2481.6	2396.4	2293.8	2172.0	2064.2
17.5°	2688.5	2693.8	2685.1	2676.4	2669.4	2636.4	2598.1	2537.2	2443.3	2330.3	2170.3
20°	2664.2	2674.6	2676.4	2686.8	2700.7	2686.8	2655.5	2613.8	2535.5	2417.3	2264.2
22.5°	2610.3	2629.4	2643.3	2679.8	2716.4	2716.4	2697.2	2664.2	2587.7	2471.2	2314.6
25°	2606.8	2610.3	2615.5	2674.6	2732.0	2744.2	2726.8	2692.0	2608.5	2483.3	2312.9
27.5°	2693.8	2671.1	2636.4	2695.5	2763.3	2773.8	2749.4	2702.5	2603.3	2455.5	2253.8
30°	2871.1	2820.7	2747.7	2791.1	2838.1	2825.9	2777.2	2702.5	2568.5	2384.2	2142.5
32.5°	2939.0	2911.1	2885.0	2932.0	2940.7	2890.3	2803.3	2692.0	2512.9	2283.3	1959.9
35°	2989.4	2991.1	2980.7	2989.4	2947.7	2876.4	2780.7	2634.6	2408.6	2102.5	1718.2
37.5°	3006.8	3010.3	2987.7	2956.3	2893.7	2812.0	2697.2	2530.3	2234.7	1853.8	1353.0
40°	2952.9	2942.4	2905.9	2862.4	2794.6	2711.1	2585.9	2337.3	1975.5	1479.9	1055.6
42.5°	2857.2	2839.8	2796.4	2744.2	2672.9	2566.8	2366.8	2066.0	1605.1	1154.7	739.1
45°	2665.9	2653.8	2599.8	2561.6	2476.4	2339.0	2081.6	1702.5	1241.7	834.7	427.8
47.5°	2071.2	2072.9	2114.7	2133.8	2104.2	1994.7	1692.1	1293.8	906.0	497.4	144.3
50°	1853.8	1845.1	1803.4	1746.0	1650.3	1486.9	1241.7	914.7	535.6	161.7	20.9
52.5°	1406.9	1406.9	1386.0	1356.4	1255.6	1097.3	840.0	506.1	187.8	27.8	5.2
55°	606.9	575.6	593.0	626.1	600.0	521.7	393.0	151.3	33.0	5.2	5.2
57.5°	8.7	20.9	31.3	50.4	67.8	81.7	43.5	15.7	5.2	5.2	5.2
60°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
62.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
65°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
67.5°	3.5	3.5	3.5	5.2	3.5	5.2	5.2	5.2	5.2	5.2	5.2
70°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2
72.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
75°	1.7	1.7	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5	3.5	3.5	3.5
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5	3.5
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1199.9	1199.9	1199.9	1199.9	1199.9	1199.9	1199.9	1199.9
2.5°	1420.8	1391.2	1342.5	1194.7	1041.7	900.8	800.0	761.7
5°	1593.0	1539.0	1457.3	1154.7	850.4	593.0	446.9	389.5
7.5°	1728.6	1659.0	1540.8	1085.2	624.3	316.5	189.6	149.6
10°	1819.0	1742.5	1587.7	982.6	413.9	147.8	71.3	59.1
12.5°	1885.1	1789.5	1605.1	850.4	243.5	67.8	38.3	34.8
15°	1933.8	1810.3	1584.3	688.7	133.9	40.0	31.3	31.3
17.5°	2001.6	1820.8	1533.8	507.8	76.5	29.6	29.6	29.6
20°	2053.8	1820.8	1438.2	346.1	47.0	26.1	26.1	26.1
22.5°	2079.9	1792.9	1321.7	219.1	33.0	24.3	26.1	26.1
25°	2053.8	1725.1	1172.1	133.9	26.1	22.6	24.3	26.1
27.5°	1958.1	1589.5	972.1	85.2	20.9	22.6	24.3	26.1
30°	1798.2	1393.0	746.0	55.6	19.1	22.6	24.3	26.1
32.5°	1572.1	1100.8	483.5	36.5	17.4	22.6	24.3	26.1
35°	1227.8	779.1	292.2	22.6	17.4	22.6	26.1	27.8
37.5°	919.9	520.0	158.3	13.9	17.4	22.6	26.1	27.8
40°	638.2	302.6	67.8	12.2	17.4	24.3	27.8	27.8
42.5°	370.4	120.0	17.4	10.4	17.4	24.3	27.8	29.6
45°	135.6	24.3	5.2	10.4	19.1	24.3	27.8	31.3
47.5°	19.1	5.2	5.2	10.4	19.1	24.3	29.6	31.3
50°	5.2	5.2	5.2	10.4	19.1	26.1	31.3	33.0
52.5°	5.2	5.2	5.2	10.4	19.1	26.1	31.3	33.0
55°	5.2	5.2	5.2	10.4	19.1	26.1	31.3	33.0
57.5°	5.2	5.2	5.2	10.4	19.1	26.1	31.3	33.0
60°	5.2	5.2	5.2	10.4	17.4	26.1	31.3	33.0
62.5°	5.2	5.2	5.2	10.4	17.4	24.3	29.6	31.3
65°	5.2	5.2	5.2	10.4	15.7	22.6	29.6	29.6
67.5°	5.2	5.2	5.2	8.7	15.7	22.6	27.8	29.6
70°	5.2	5.2	5.2	8.7	13.9	20.9	26.1	27.8
72.5°	5.2	5.2	5.2	7.0	12.2	19.1	24.3	26.1
75°	3.5	5.2	5.2	7.0	12.2	17.4	22.6	24.3
77.5°	3.5	5.2	5.2	5.2	10.4	13.9	19.1	20.9
80°	3.5	3.5	5.2	5.2	8.7	12.2	15.7	17.4
82.5°	3.5	3.5	3.5	5.2	7.0	8.7	12.2	12.2
85°	3.5	3.5	3.5	3.5	5.2	7.0	8.7	8.7
87.5°	1.7	1.7	3.5	3.5	3.5	3.5	3.5	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)