

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: P1319778

Luminaire Tested: LDSQA3D05R209840DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-60)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R209840DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

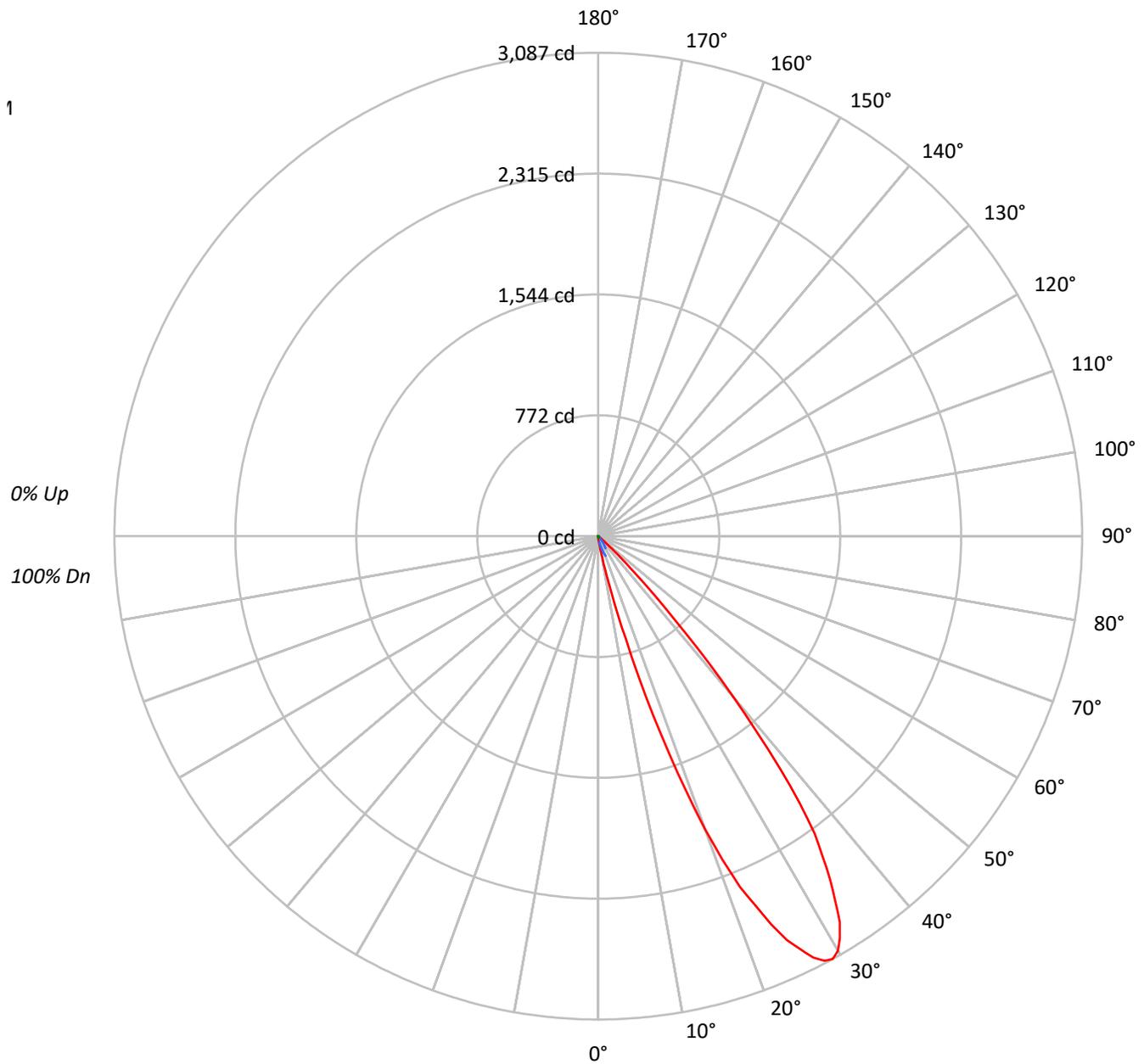
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 433.1 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Spacing Criteria (0/90/45): 2.3 / 0.53 / 1.19
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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



— 0°-180° - - - 45°-225° ····· 90°-270°



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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	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	77	73	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	71	67	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	62	56	52	60	55	52	60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	51	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2566	2566	2566	2566	2566
5°	5913	4408	2438	1487	1297
10°	18625	7695	1994	822	612
15°	120619	14210	1462	285	71
20°	364022	24339	1008	0	0
25°	540607	24551	589	0	0
30°	607932	18673	239	0	0
35°	524540	11143	168	0	0
40°	302047	3799	0	0	0
45°	73677	1534	97	0	97
50°	8842	429	107	107	322
55°	1171	0	240	240	480
60°	138	0	413	413	689
65°	163	163	652	652	978
70°	201	201	806	806	1007
75°	0	266	1065	799	1065
80°	0	397	1190	793	1190
85°	0	790	2371	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°
 Vertical Angle: 45°
 Luminance: 74140 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.5
10°-20°	40.1	9.3
20°-30°	174.9	40.4
30°-40°	176.1	40.7
40°-50°	35.3	8.2
50°-60°	1.8	0.4
60°-70°	1.2	0.3
70°-80°	1.1	0.2
80°-90°	0.5	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°	217.0	50.1
0°-40°	393.2	90.8
0°-60°	430.3	99.4
0°-90°	433.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	433.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	15	15	15	15	15	
5°	34	26	14	9	8	5
15°	676	80	8	2	0	265
25°	2845	129	3	0	0	1283
35°	2495	53	1	0	0	1484
45°	302	6	0	0	0	329
55°	4	0	1	1	2	7
65°	0	0	2	2	2	0
75°	0	0	2	1	2	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
2.5°	22.4	22.4	22.0	22.0	21.6	22.0	21.2	21.6	21.6	21.2	19.2
5°	34.2	35.0	34.6	34.6	34.2	34.6	33.8	33.0	32.2	32.2	25.5
7.5°	56.2	55.8	55.0	55.4	54.2	53.4	52.6	52.2	49.9	48.7	33.4
10°	106.5	108.8	106.9	106.5	99.4	99.0	94.3	87.6	81.7	78.6	44.0
12.5°	293.1	305.6	286.0	276.6	271.1	249.8	240.8	217.6	195.2	178.3	55.8
15°	676.5	707.5	667.8	670.6	637.6	577.1	524.0	478.5	424.7	370.4	79.7
17.5°	1325.4	1300.3	1278.7	1242.1	1175.0	1086.2	971.9	856.0	755.8	650.9	111.2
20°	1986.2	1963.8	1914.7	1834.9	1749.3	1617.7	1481.8	1307.7	1139.2	981.3	132.8
21°	2213.6	2206.2	2125.6	2076.5	1944.5	1818.8	1662.1	1475.9	1286.1	1099.1	136.3
22°	2416.7	2371.9	2328.7	2256.0	2124.8	1988.1	1813.7	1617.7	1411.8	1204.0	136.7
23°	2557.3	2536.9	2496.1	2414.0	2283.5	2122.9	1939.0	1734.0	1517.1	1278.3	135.5
24°	2712.9	2687.0	2627.3	2531.4	2399.8	2241.1	2031.3	1827.9	1592.2	1340.7	132.4
25°	2844.9	2804.4	2733.7	2630.4	2486.6	2322.8	2111.9	1888.4	1644.4	1382.8	129.2
26°	2930.5	2908.5	2817.8	2705.4	2551.5	2382.5	2167.3	1934.7	1678.2	1402.0	124.1
27°	3019.7	2979.3	2890.1	2760.8	2593.9	2421.4	2198.7	1957.1	1690.0	1402.8	117.9
28°	3070.8	3026.8	2925.8	2789.9	2621.4	2443.0	2216.8	1964.2	1687.6	1390.6	110.4
29°	3086.9	3031.5	2932.9	2794.6	2628.1	2444.6	2214.0	1954.0	1666.8	1360.8	101.7
30°	3057.0	3000.5	2907.0	2772.2	2606.8	2425.0	2188.5	1920.2	1629.9	1318.0	93.9
31°	2991.8	2943.9	2853.5	2718.4	2559.7	2379.0	2130.7	1864.8	1567.0	1260.6	84.9
32°	2905.8	2858.7	2769.9	2647.7	2486.2	2304.0	2051.8	1778.4	1493.2	1175.0	75.8
33°	2776.5	2749.4	2669.7	2553.0	2391.6	2196.7	1945.7	1675.0	1387.9	1079.9	68.0
34°	2645.7	2611.6	2555.8	2428.1	2254.5	2060.0	1807.4	1532.4	1259.4	973.4	60.5
35°	2494.9	2474.5	2386.9	2284.7	2110.3	1911.5	1660.5	1393.8	1109.8	854.8	53.0
36°	2348.8	2317.3	2217.5	2109.5	1940.2	1725.3	1477.4	1226.8	980.5	743.6	45.2
37°	2136.6	2088.7	2017.6	1903.7	1705.7	1522.6	1296.4	1063.8	821.4	623.4	36.5
38°	1887.2	1864.8	1766.2	1651.5	1487.7	1314.0	1090.1	892.9	677.6	520.5	27.9
39°	1592.9	1592.5	1498.3	1415.4	1255.1	1098.8	896.8	724.8	559.4	419.2	21.6
40°	1343.5	1297.1	1239.0	1134.9	1011.9	879.2	702.4	567.3	434.1	337.8	16.9
42.5°	704.4	700.4	666.2	588.1	519.3	441.2	350.8	292.3	228.6	186.2	10.6
45°	302.5	304.4	280.9	269.1	242.4	209.8	177.2	147.7	126.5	102.5	6.3
47.5°	76.6	73.5	72.7	75.4	75.4	73.1	65.6	61.7	57.0	52.2	3.5
50°	33.0	32.2	31.4	31.4	29.5	28.3	26.3	24.0	22.0	19.6	1.6
52.5°	12.2	12.6	13.0	12.6	12.6	12.2	12.2	11.8	10.6	9.4	0.8
55°	3.9	3.9	3.9	4.3	4.3	4.7	4.7	4.7	4.7	4.3	0.0
57.5°	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.6	0.0
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.4	0.0	0.4	0.4	0.0	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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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CATALOG NUMBER: LDSQA3D05R209840DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	14.9	14.9	14.9	14.9	14.9	14.9
2.5°	17.3	15.3	13.0	11.0	10.6	10.2
5°	19.2	14.1	10.6	8.6	7.9	7.5
7.5°	20.8	13.0	8.6	6.3	5.5	5.1
10°	21.6	11.4	7.1	4.7	3.5	3.5
12.5°	22.0	9.8	5.1	3.1	2.0	2.0
15°	21.6	8.2	3.9	1.6	0.4	0.4
17.5°	19.6	6.7	2.4	0.4	0.0	0.0
20°	16.9	5.5	1.6	0.0	0.0	0.0
21°	16.1	4.7	1.2	0.0	0.0	0.0
22°	14.9	4.3	0.8	0.0	0.0	0.0
23°	13.7	3.9	0.8	0.0	0.0	0.0
24°	12.6	3.5	0.4	0.0	0.0	0.0
25°	11.8	3.1	0.4	0.0	0.0	0.0
26°	11.0	2.7	0.4	0.0	0.0	0.0
27°	9.8	2.4	0.0	0.0	0.0	0.0
28°	9.0	2.0	0.0	0.0	0.0	0.0
29°	7.9	1.6	0.0	0.0	0.0	0.0
30°	6.7	1.2	0.0	0.0	0.0	0.0
31°	5.5	1.2	0.0	0.0	0.0	0.0
32°	4.7	0.8	0.0	0.0	0.0	0.0
33°	3.9	0.8	0.0	0.0	0.0	0.0
34°	3.5	0.8	0.0	0.0	0.0	0.0
35°	3.1	0.8	0.0	0.0	0.0	0.0
36°	2.4	0.4	0.0	0.0	0.0	0.0
37°	2.0	0.4	0.0	0.0	0.0	0.0
38°	1.6	0.4	0.0	0.0	0.0	0.0
39°	1.2	0.0	0.0	0.0	0.0	0.0
40°	1.2	0.0	0.0	0.0	0.0	0.0
42.5°	0.4	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.4	0.0	0.0	0.4	0.4
47.5°	0.0	0.4	0.0	0.0	0.4	0.8
50°	0.0	0.4	0.4	0.4	0.8	1.2
52.5°	0.0	0.8	0.4	0.4	1.2	1.2
55°	0.4	0.8	0.4	0.8	1.6	1.6
57.5°	0.4	0.8	0.8	1.2	1.6	2.0
60°	0.8	1.2	1.2	1.2	2.0	2.0
62.5°	0.8	1.2	1.6	1.6	2.0	2.4
65°	0.8	1.6	1.6	1.6	2.0	2.4
67.5°	1.2	1.6	1.6	1.6	2.0	2.4
70°	1.2	1.6	1.6	1.6	2.0	2.0
72.5°	1.2	1.6	1.2	1.6	1.6	2.0
75°	1.2	1.6	1.2	1.2	1.6	1.6
77.5°	0.8	1.2	1.2	0.8	1.2	1.2
80°	0.8	1.2	0.8	0.8	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.8	1.2	0.8	0.4	0.8	0.8
85°	0.8	1.2	0.8	0.4	0.4	0.4
87.5°	0.8	1.2	0.8	0.4	0.0	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)