

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: P1308247

Luminaire Tested: LDSQA3D17R209027DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308247
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: LDSQA3D17R209027DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

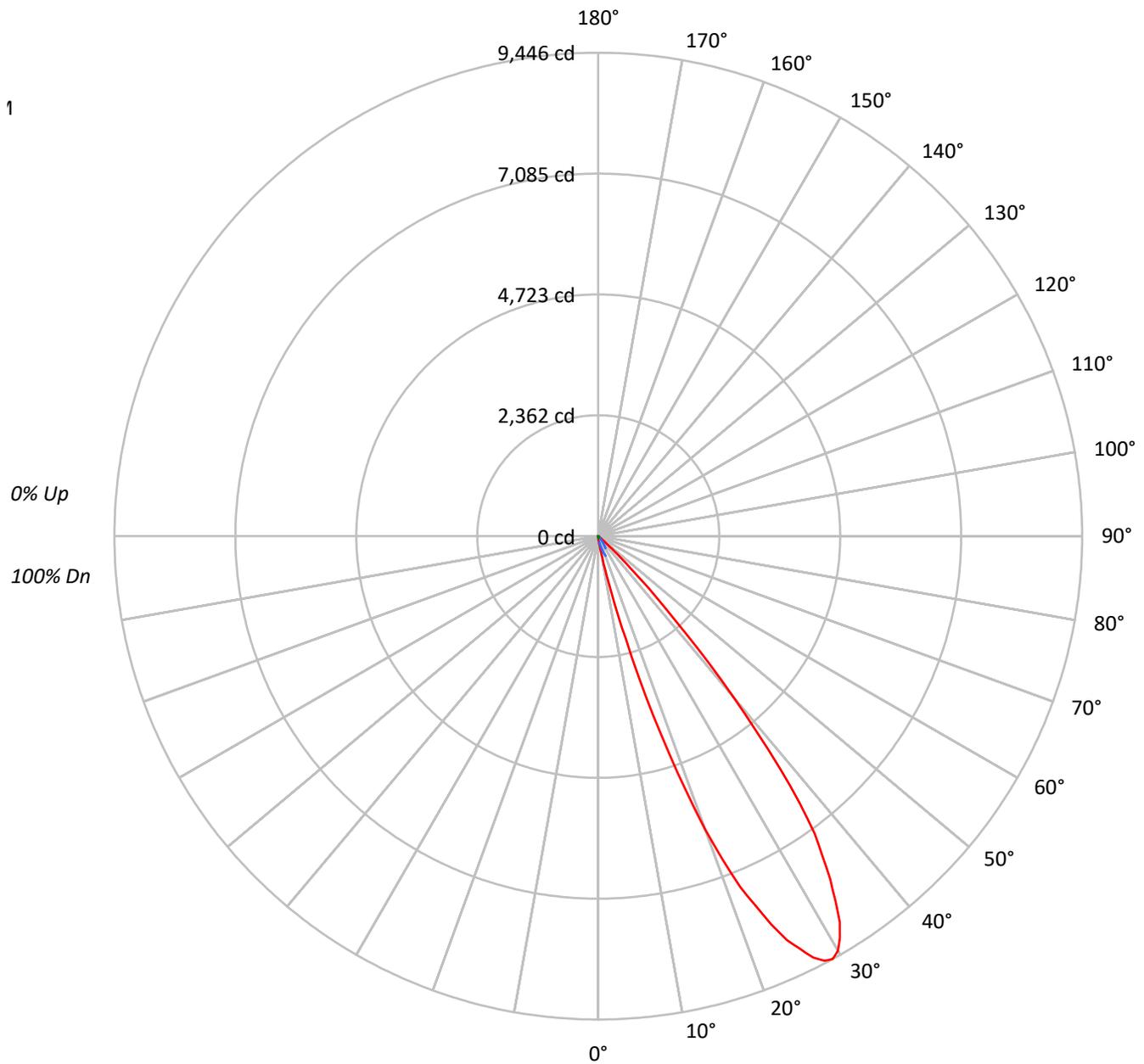
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1325.0 lumens
Efficiency: N/A
Efficacy: 62.5 lumens/watt
Spacing Criteria (0/90/45): 2.29 / 0.53 / 1.19
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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



— 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	62	56	52	60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7871	7871	7871	7871	7871
5°	18083	13502	7486	4564	3942
10°	56976	23539	6103	2518	1889
15°	369077	43505	4493	856	214
20°	1113912	74465	3079	0	0
25°	1654277	75156	1824	0	0
30°	1860328	57134	716	0	0
35°	1605116	34123	505	0	0
40°	924260	11623	0	0	0
45°	225439	4676	292	0	292
50°	27061	1286	322	322	965
55°	3603	0	721	721	1441
60°	413	0	1240	1240	2067
65°	489	489	1956	1956	2934
70°	604	604	2417	2417	3021
75°	0	799	3194	2396	3194
80°	0	1190	3570	2380	3570
85°	0	2371	7114	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°
 Vertical Angle: 45°
 Luminance: 226900 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	0.5
10°-20°	122.8	9.3
20°-30°	535.2	40.4
30°-40°	539.0	40.7
40°-50°	108.1	8.2
50°-60°	5.4	0.4
60°-70°	3.6	0.3
70°-80°	3.2	0.2
80°-90°	1.6	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°	664.1	50.1
0°-40°	1203.1	90.8
0°-60°	1316.7	99.4
0°-90°	1325.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1325.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	46	46	46	46	46	
5°	105	78	43	26	23	16
15°	2070	244	25	5	1	811
25°	8706	396	10	0	0	3925
35°	7634	162	2	0	0	4543
45°	926	19	1	0	1	1008
55°	12	0	2	2	5	22
65°	1	1	5	5	7	1
75°	0	1	5	4	5	0
85°	0	1	4	1	1	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°	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
2.5°	68.5	68.5	67.3	67.3	66.1	67.3	64.9	66.1	66.1	64.9	58.9
5°	104.6	107.0	105.8	105.8	104.6	105.8	103.4	101.0	98.6	98.6	78.1
7.5°	171.9	170.7	168.3	169.5	165.9	163.5	161.1	159.9	152.7	149.1	102.2
10°	325.8	333.0	327.0	325.8	304.1	302.9	288.5	268.1	250.0	240.4	134.6
12.5°	896.8	935.2	875.1	846.3	829.4	764.5	736.9	666.0	597.4	545.7	170.7
15°	2070.0	2165.0	2043.6	2052.0	1951.0	1765.9	1603.6	1464.1	1299.5	1133.6	244.0
17.5°	4055.8	3978.9	3912.8	3801.0	3595.4	3323.8	2974.0	2619.4	2312.8	1991.9	340.2
20°	6077.8	6009.2	5859.0	5615.0	5352.9	4950.2	4534.3	4001.8	3486.1	3002.8	406.3
21°	6773.8	6750.9	6504.5	6354.2	5950.3	5565.7	5086.0	4516.2	3935.6	3363.4	417.1
22°	7395.3	7258.2	7126.0	6903.6	6502.1	6083.8	5550.0	4950.2	4320.3	3684.4	418.3
23°	7825.6	7763.1	7638.1	7386.8	6987.7	6496.1	5933.5	5306.0	4642.5	3911.6	414.7
24°	8301.6	8222.3	8039.6	7746.3	7343.6	6857.9	6216.0	5593.3	4872.1	4102.7	405.1
25°	8705.5	8581.7	8365.3	8049.2	7609.2	7108.0	6462.4	5778.4	5031.9	4231.4	395.5
26°	8967.6	8900.3	8622.6	8278.8	7807.6	7290.7	6631.9	5920.3	5135.3	4290.3	379.9
27°	9240.5	9116.6	8843.8	8448.3	7937.4	7409.7	6728.1	5988.8	5171.4	4292.7	360.6
28°	9396.7	9262.1	8953.2	8537.2	8021.5	7475.8	6783.4	6010.4	5164.2	4255.4	337.8
29°	9446.0	9276.5	8974.8	8551.7	8042.0	7480.6	6775.0	5979.2	5100.5	4164.0	311.3
30°	9354.7	9181.6	8895.5	8483.1	7977.1	7420.5	6696.8	5875.8	4987.5	4033.0	287.3
31°	9155.1	9008.5	8732.0	8318.5	7832.8	7279.9	6520.1	5706.3	4795.1	3857.5	259.7
32°	8891.9	8747.6	8475.9	8102.1	7608.0	7050.3	6278.5	5441.9	4569.1	3595.4	232.0
33°	8496.4	8413.4	8169.4	7812.4	7318.3	6722.1	5953.9	5125.7	4247.0	3304.5	208.0
34°	8096.1	7991.5	7820.8	7430.1	6898.8	6303.8	5530.8	4689.3	3853.9	2978.8	185.1
35°	7634.5	7572.0	7303.9	6991.3	6457.6	5849.4	5081.2	4265.0	3395.9	2615.7	162.3
36°	7187.3	7091.1	6785.8	6455.2	5937.1	5279.6	4521.1	3754.1	3000.4	2275.6	138.2
37°	6538.2	6391.5	6173.9	5825.3	5219.5	4659.3	3966.9	3255.3	2513.6	1907.7	111.8
38°	5774.8	5706.3	5404.6	5053.6	4552.3	4021.0	3335.8	2732.3	2073.6	1592.8	85.3
39°	4874.5	4873.3	4584.8	4331.1	3840.7	3362.2	2744.4	2217.9	1711.8	1282.6	66.1
40°	4111.1	3969.3	3791.4	3472.8	3096.6	2690.3	2149.3	1735.8	1328.3	1033.8	51.7
42.5°	2155.3	2143.3	2038.7	1799.5	1589.2	1349.9	1073.5	894.4	699.6	569.8	32.5
45°	925.6	931.6	859.5	823.4	741.7	641.9	542.1	452.0	387.1	313.7	19.2
47.5°	234.4	224.8	222.4	230.8	230.8	223.6	200.7	188.7	174.3	159.9	10.8
50°	101.0	98.6	96.2	96.2	90.2	86.6	80.5	73.3	67.3	60.1	4.8
52.5°	37.3	38.5	39.7	38.5	38.5	37.3	37.3	36.1	32.5	28.9	2.4
55°	12.0	12.0	12.0	13.2	13.2	14.4	14.4	14.4	14.4	13.2	0.0
57.5°	2.4	2.4	3.6	3.6	3.6	3.6	3.6	3.6	4.8	4.8	0.0
60°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
62.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
75°	0.0	0.0	0.0	1.2	0.0	1.2	1.2	0.0	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2



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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	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	45.7	45.7	45.7	45.7	45.7	45.7
2.5°	52.9	46.9	39.7	33.7	32.5	31.3
5°	58.9	43.3	32.5	26.4	24.0	22.8
7.5°	63.7	39.7	26.4	19.2	16.8	15.6
10°	66.1	34.9	21.6	14.4	10.8	10.8
12.5°	67.3	30.1	15.6	9.6	6.0	6.0
15°	66.1	25.2	12.0	4.8	1.2	1.2
17.5°	60.1	20.4	7.2	1.2	0.0	0.0
20°	51.7	16.8	4.8	0.0	0.0	0.0
21°	49.3	14.4	3.6	0.0	0.0	0.0
22°	45.7	13.2	2.4	0.0	0.0	0.0
23°	42.1	12.0	2.4	0.0	0.0	0.0
24°	38.5	10.8	1.2	0.0	0.0	0.0
25°	36.1	9.6	1.2	0.0	0.0	0.0
26°	33.7	8.4	1.2	0.0	0.0	0.0
27°	30.1	7.2	0.0	0.0	0.0	0.0
28°	27.6	6.0	0.0	0.0	0.0	0.0
29°	24.0	4.8	0.0	0.0	0.0	0.0
30°	20.4	3.6	0.0	0.0	0.0	0.0
31°	16.8	3.6	0.0	0.0	0.0	0.0
32°	14.4	2.4	0.0	0.0	0.0	0.0
33°	12.0	2.4	0.0	0.0	0.0	0.0
34°	10.8	2.4	0.0	0.0	0.0	0.0
35°	9.6	2.4	0.0	0.0	0.0	0.0
36°	7.2	1.2	0.0	0.0	0.0	0.0
37°	6.0	1.2	0.0	0.0	0.0	0.0
38°	4.8	1.2	0.0	0.0	0.0	0.0
39°	3.6	0.0	0.0	0.0	0.0	0.0
40°	3.6	0.0	0.0	0.0	0.0	0.0
42.5°	1.2	0.0	0.0	0.0	0.0	0.0
45°	0.0	1.2	0.0	0.0	1.2	1.2
47.5°	0.0	1.2	0.0	0.0	1.2	2.4
50°	0.0	1.2	1.2	1.2	2.4	3.6
52.5°	0.0	2.4	1.2	1.2	3.6	3.6
55°	1.2	2.4	1.2	2.4	4.8	4.8
57.5°	1.2	2.4	2.4	3.6	4.8	6.0
60°	2.4	3.6	3.6	3.6	6.0	6.0
62.5°	2.4	3.6	4.8	4.8	6.0	7.2
65°	2.4	4.8	4.8	4.8	6.0	7.2
67.5°	3.6	4.8	4.8	4.8	6.0	7.2
70°	3.6	4.8	4.8	4.8	6.0	6.0
72.5°	3.6	4.8	3.6	4.8	4.8	6.0
75°	3.6	4.8	3.6	3.6	4.8	4.8
77.5°	2.4	3.6	3.6	2.4	3.6	3.6
80°	2.4	3.6	2.4	2.4	3.6	3.6



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	2.4	3.6	2.4	1.2	2.4	2.4
85°	2.4	3.6	2.4	1.2	1.2	1.2
87.5°	2.4	3.6	2.4	1.2	0.0	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)