

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: P1319340

Luminaire Tested: LDSQA3D17R209835DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319340
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: LDSQA3D17R209835DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

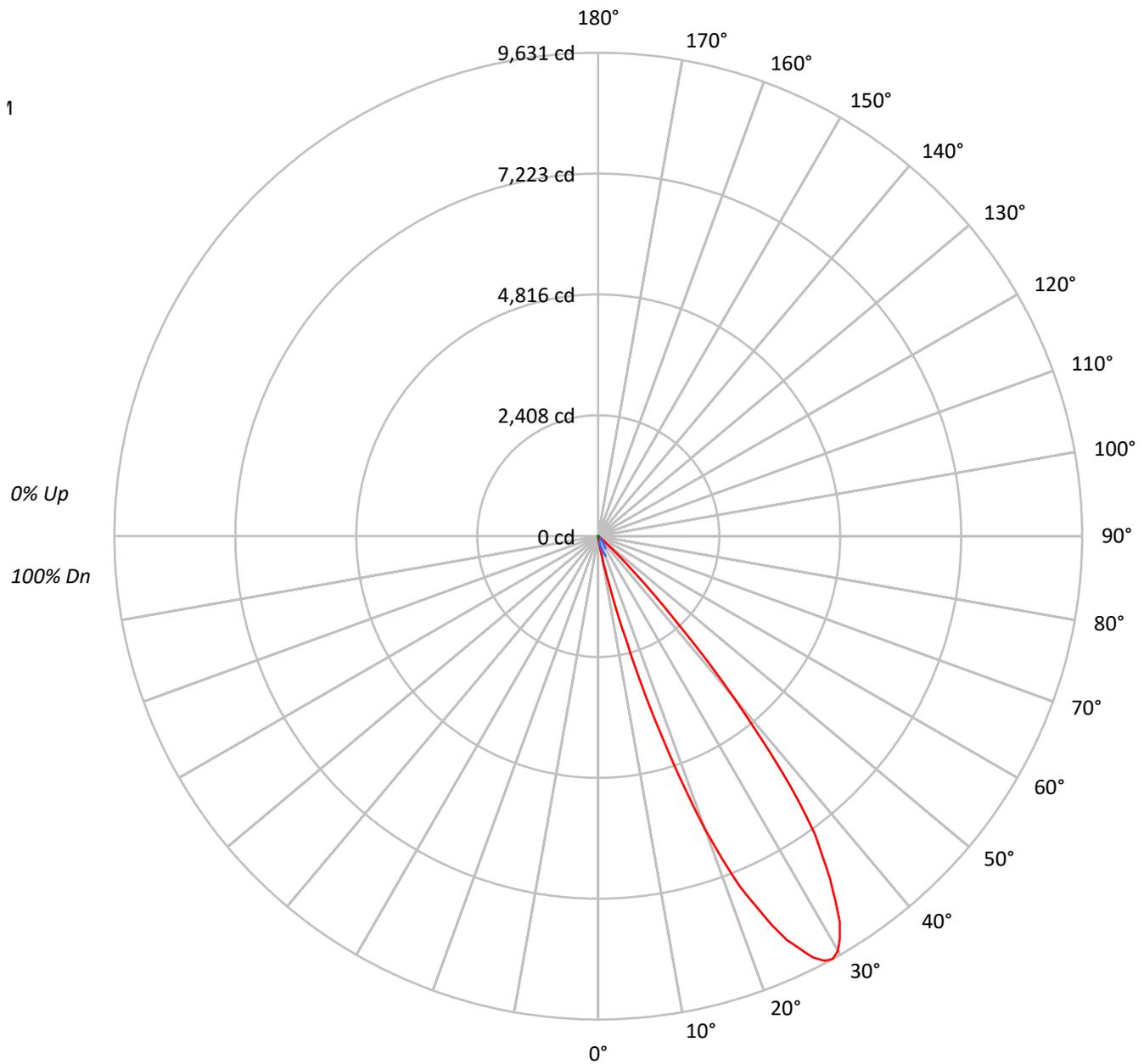
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1351.0 lumens
Efficiency: N/A
Efficacy: 66.2 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): 20.4
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	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	76	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°	8026	8026	8026	8026	8026
5°	18429	13779	7624	4668	4028
10°	58095	24011	6208	2571	1924
15°	376316	44361	4582	874	214
20°	1135758	75931	3152	0	0
25°	1686753	76619	1862	0	0
30°	1896820	58248	736	0	0
35°	1636610	34796	526	0	0
40°	942403	11848	0	0	0
45°	229872	4774	292	0	292
50°	27597	1313	322	322	991
55°	3693	0	751	751	1471
60°	413	0	1274	1274	2101
65°	489	489	1997	1997	3016
70°	604	604	2467	2467	3072
75°	0	799	3261	2462	3261
80°	0	1190	3670	2479	3670
85°	0	2371	7311	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°
 Vertical Angle: 45°
 Luminance: 231357 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.5
10°-20°	125.2	9.3
20°-30°	545.7	40.4
30°-40°	549.6	40.7
40°-50°	110.2	8.2
50°-60°	5.5	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°	677.2	50.1
0°-40°	1226.7	90.8
0°-60°	1342.5	99.4
0°-90°	1351.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1351.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	47	47	47	47	47	
5°	107	80	44	27	23	17
15°	2111	249	26	5	1	827
25°	8876	403	10	0	0	4002
35°	7784	166	2	0	0	4632
45°	944	20	1	0	1	1028
55°	12	0	2	2	5	23
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°	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
2.5°	69.9	69.9	68.6	68.6	67.4	68.6	66.2	67.4	67.4	66.2	60.1
5°	106.6	109.1	107.9	107.9	106.6	107.9	105.4	103.0	100.5	100.5	79.7
7.5°	175.3	174.0	171.6	172.8	169.1	166.7	164.2	163.0	155.7	152.0	104.2
10°	332.2	339.5	333.4	332.2	310.1	308.9	294.2	273.3	254.9	245.1	137.3
12.5°	914.4	953.6	892.3	862.9	845.7	779.5	751.3	679.0	609.2	556.5	174.0
15°	2110.6	2207.4	2083.7	2092.2	1989.3	1800.5	1635.1	1492.9	1325.0	1155.8	248.8
17.5°	4135.4	4057.0	3989.6	3875.6	3666.0	3389.0	3032.3	2670.8	2358.2	2030.9	346.9
20°	6197.0	6127.2	5974.0	5725.1	5457.9	5047.3	4623.3	4080.3	3554.5	3061.7	414.3
21°	6906.7	6883.4	6632.1	6478.9	6067.1	5674.9	5185.8	4604.9	4012.9	3429.4	425.3
22°	7540.4	7400.6	7265.8	7039.1	6629.7	6203.2	5659.0	5047.3	4405.1	3756.7	426.5
23°	7979.2	7915.4	7788.0	7531.8	7124.9	6623.6	6049.9	5410.1	4733.6	3988.4	422.9
24°	8464.5	8383.6	8197.3	7898.3	7487.7	6992.5	6338.0	5703.1	4967.7	4183.2	413.1
25°	8876.4	8750.1	8529.5	8207.1	7758.5	7247.4	6589.2	5891.8	5130.7	4314.4	403.2
26°	9143.6	9074.9	8791.8	8441.2	7960.8	7433.7	6762.1	6036.5	5236.1	4374.4	387.3
27°	9421.8	9295.5	9017.3	8614.1	8093.1	7555.1	6860.1	6106.3	5272.9	4376.9	367.7
28°	9581.1	9443.8	9128.8	8704.8	8178.9	7622.5	6916.5	6128.4	5265.5	4338.9	344.4
29°	9631.4	9458.6	9150.9	8719.5	8199.8	7627.4	6907.9	6096.5	5200.5	4245.7	317.5
30°	9538.2	9361.7	9070.0	8649.6	8133.6	7566.1	6828.2	5991.1	5085.3	4112.1	292.9
31°	9334.8	9185.2	8903.3	8481.7	7986.5	7422.7	6648.1	5818.3	4889.2	3933.2	264.7
32°	9066.3	8919.3	8642.2	8261.1	7757.3	7188.6	6401.7	5548.6	4658.8	3666.0	236.6
33°	8663.1	8578.5	8329.7	7965.7	7461.9	6854.0	6070.8	5226.3	4330.3	3369.4	212.0
34°	8254.9	8148.3	7974.3	7575.9	7034.2	6427.5	5639.3	4781.4	3929.5	3037.2	188.8
35°	7784.3	7720.5	7447.2	7128.5	6584.3	5964.1	5180.9	4348.7	3462.5	2667.1	165.5
36°	7328.3	7230.3	6918.9	6581.9	6053.6	5383.2	4609.8	3827.8	3059.3	2320.2	141.0
37°	6666.5	6516.9	6295.1	5939.6	5321.9	4750.7	4044.7	3319.1	2562.9	1945.1	114.0
38°	5888.2	5818.3	5510.6	5152.7	4641.6	4099.9	3401.3	2786.0	2114.3	1624.0	87.0
39°	4970.1	4968.9	4674.7	4416.1	3916.0	3428.2	2798.2	2261.4	1745.4	1307.8	67.4
40°	4191.8	4047.2	3865.8	3541.0	3157.3	2743.1	2191.5	1769.9	1354.4	1054.1	52.7
42.5°	2197.6	2185.4	2078.7	1834.8	1620.3	1376.4	1094.5	911.9	713.3	581.0	33.1
45°	943.8	949.9	876.4	839.6	756.2	654.5	552.8	460.9	394.7	319.9	19.6
47.5°	239.0	229.2	226.8	235.3	235.3	228.0	204.7	192.4	177.7	163.0	11.0
50°	103.0	100.5	98.1	98.1	91.9	88.2	82.1	74.8	68.6	61.3	4.9
52.5°	38.0	39.2	40.4	39.2	39.2	38.0	38.0	36.8	33.1	29.4	2.5
55°	12.3	12.3	12.3	13.5	13.5	14.7	14.7	14.7	14.7	13.5	0.0
57.5°	2.5	2.5	3.7	3.7	3.7	3.7	3.7	3.7	4.9	4.9	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°	46.6	46.6	46.6	46.6	46.6	46.6
2.5°	53.9	47.8	40.4	34.3	33.1	31.9
5°	60.1	44.1	33.1	27.0	24.5	23.3
7.5°	65.0	40.4	27.0	19.6	17.2	15.9
10°	67.4	35.5	22.1	14.7	11.0	11.0
12.5°	68.6	30.6	15.9	9.8	6.1	6.1
15°	67.4	25.7	12.3	4.9	1.2	1.2
17.5°	61.3	20.8	7.4	1.2	0.0	0.0
20°	52.7	17.2	4.9	0.0	0.0	0.0
21°	50.3	14.7	3.7	0.0	0.0	0.0
22°	46.6	13.5	2.5	0.0	0.0	0.0
23°	42.9	12.3	2.5	0.0	0.0	0.0
24°	39.2	11.0	1.2	0.0	0.0	0.0
25°	36.8	9.8	1.2	0.0	0.0	0.0
26°	34.3	8.6	1.2	0.0	0.0	0.0
27°	30.6	7.4	0.0	0.0	0.0	0.0
28°	28.2	6.1	0.0	0.0	0.0	0.0
29°	24.5	4.9	0.0	0.0	0.0	0.0
30°	20.8	3.7	0.0	0.0	0.0	0.0
31°	17.2	3.7	0.0	0.0	0.0	0.0
32°	14.7	2.5	0.0	0.0	0.0	0.0
33°	12.3	2.5	0.0	0.0	0.0	0.0
34°	11.0	2.5	0.0	0.0	0.0	0.0
35°	9.8	2.5	0.0	0.0	0.0	0.0
36°	7.4	1.2	0.0	0.0	0.0	0.0
37°	6.1	1.2	0.0	0.0	0.0	0.0
38°	4.9	1.2	0.0	0.0	0.0	0.0
39°	3.7	0.0	0.0	0.0	0.0	0.0
40°	3.7	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	2.5
50°	0.0	1.2	1.2	1.2	2.5	3.7
52.5°	0.0	2.5	1.2	1.2	3.7	3.7
55°	1.2	2.5	1.2	2.5	4.9	4.9
57.5°	1.2	2.5	2.5	3.7	4.9	6.1
60°	2.5	3.7	3.7	3.7	6.1	6.1
62.5°	2.5	3.7	4.9	4.9	6.1	7.4
65°	2.5	4.9	4.9	4.9	6.1	7.4
67.5°	3.7	4.9	4.9	4.9	6.1	7.4
70°	3.7	4.9	4.9	4.9	6.1	6.1
72.5°	3.7	4.9	3.7	4.9	4.9	6.1
75°	3.7	4.9	3.7	3.7	4.9	4.9
77.5°	2.5	3.7	3.7	2.5	3.7	3.7
80°	2.5	3.7	2.5	2.5	3.7	3.7



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	2.5	3.7	2.5	1.2	2.5	2.5
85°	2.5	3.7	2.5	1.2	1.2	1.2
87.5°	2.5	3.7	2.5	1.2	0.0	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)