

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: P1324012

Luminaire Tested: LDSQA3D17R209030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324012
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: LDSQA3D17R209030D2WDE010 3LSQCA30R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

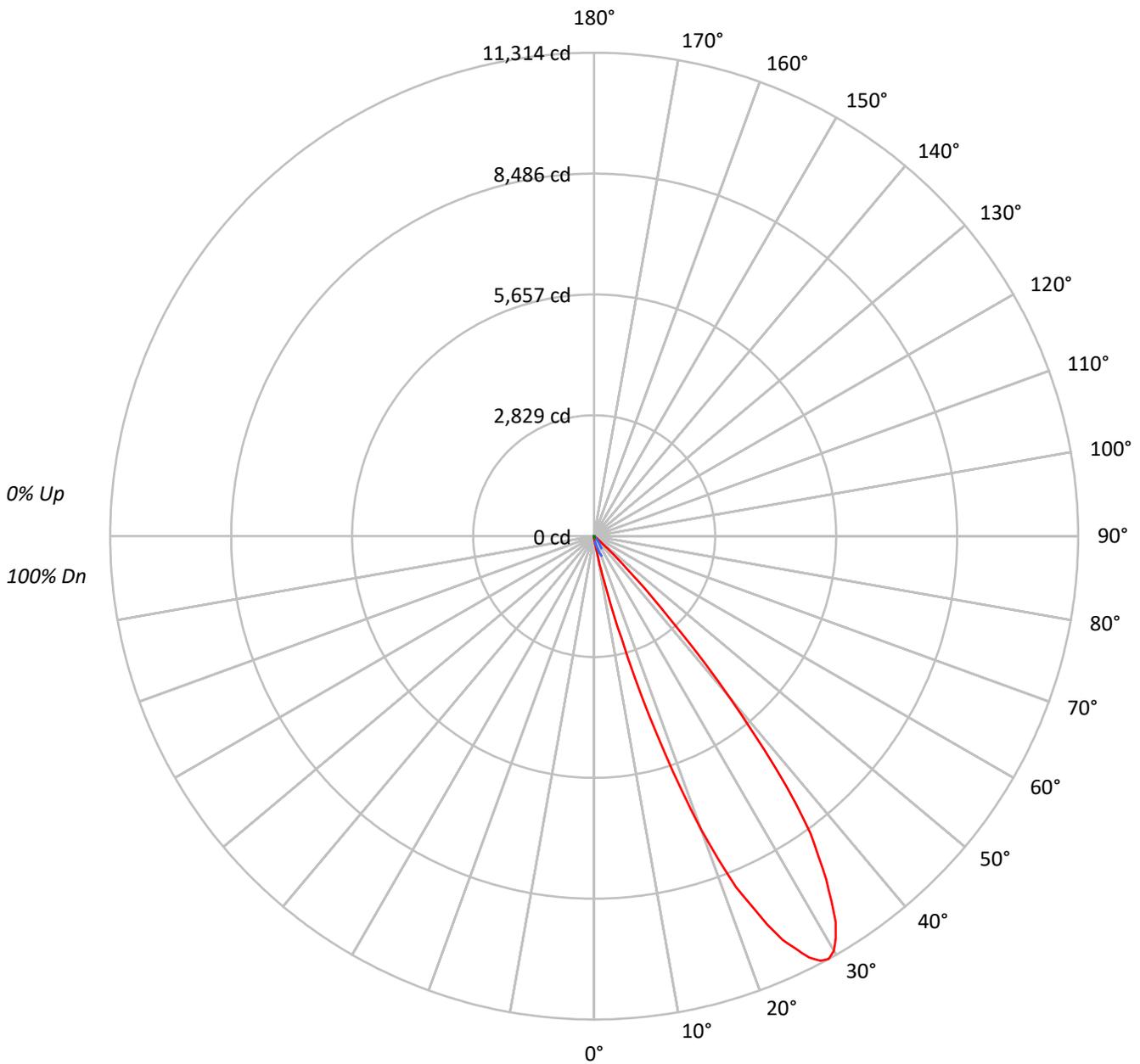
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1587.0 lumens
Efficiency: N/A
Efficacy: 58.1 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): 27.3
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				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°	9421	9421	9421	9421	9421
5°	21662	16182	8955	5480	4737
10°	68238	28208	7310	3025	2273
15°	442054	52117	5385	1034	250
20°	1334172	89182	3702	0	0
25°	1981389	90016	2185	0	0
30°	2228169	68430	855	0	0
35°	1922502	40872	610	0	0
40°	1107040	13916	0	0	0
45°	270010	5602	341	0	341
50°	32393	1554	375	375	1152
55°	4324	0	871	871	1742
60°	482	0	1481	1481	2480
65°	571	571	2364	2364	3505
70°	705	705	2921	2921	3626
75°	0	932	3859	2861	3859
80°	0	1389	4265	2876	4265
85°	0	2766	8497	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°
 Vertical Angle: 45°
 Luminance: 271764 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.3	0.5
10°-20°	147.1	9.3
20°-30°	641.1	40.4
30°-40°	645.6	40.7
40°-50°	129.5	8.2
50°-60°	6.5	0.4
60°-70°	4.3	0.3
70°-80°	3.8	0.2
80°-90°	1.9	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°	795.4	50.1
0°-40°	1441.0	90.8
0°-60°	1577.0	99.4
0°-90°	1587.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1587.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	55	55	55	55	55	
5°	125	94	52	32	27	20
15°	2479	292	30	6	1	971
25°	10427	474	12	0	0	4701
35°	9144	194	3	0	0	5441
45°	1109	23	1	0	1	1207
55°	14	0	3	3	6	27
65°	1	1	6	6	9	1
75°	0	1	6	4	6	1
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°	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
2.5°	82.1	82.1	80.6	80.6	79.2	80.6	77.7	79.2	79.2	77.7	70.5
5°	125.3	128.1	126.7	126.7	125.3	126.7	123.8	120.9	118.1	118.1	93.6
7.5°	205.9	204.4	201.6	203.0	198.7	195.8	192.9	191.5	182.9	178.5	122.4
10°	390.2	398.8	391.6	390.2	364.3	362.8	345.5	321.1	299.5	288.0	161.3
12.5°	1074.1	1120.2	1048.2	1013.6	993.5	915.7	882.6	797.6	715.6	653.7	204.4
15°	2479.3	2593.1	2447.6	2457.7	2336.8	2115.0	1920.7	1753.7	1556.4	1357.7	292.3
17.5°	4857.8	4765.7	4686.5	4552.6	4306.4	3981.0	3562.0	3137.3	2770.1	2385.7	407.5
20°	7279.6	7197.5	7017.5	6725.2	6411.4	5929.0	5430.9	4793.0	4175.4	3596.6	486.6
21°	8113.2	8085.8	7790.7	7610.7	7126.9	6666.2	6091.7	5409.3	4713.9	4028.5	499.6
22°	8857.6	8693.4	8535.0	8268.7	7787.8	7286.8	6647.5	5929.0	5174.6	4412.9	501.0
23°	9373.0	9298.1	9148.4	8847.5	8369.5	7780.6	7106.8	6355.2	5560.5	4685.1	496.7
24°	9943.2	9848.1	9629.3	9278.0	8795.6	8214.0	7445.1	6699.3	5835.4	4914.0	485.2
25°	10426.9	10278.6	10019.5	9640.8	9113.8	8513.4	7740.3	6921.0	6026.9	5068.0	473.7
26°	10740.8	10660.2	10327.6	9915.8	9351.4	8732.3	7943.3	7090.9	6150.8	5138.6	455.0
27°	11067.6	10919.3	10592.5	10118.8	9506.9	8874.8	8058.5	7173.0	6194.0	5141.5	431.9
28°	11254.8	11093.5	10723.5	10225.4	9607.7	8954.0	8124.7	7198.9	6185.3	5096.8	404.6
29°	11313.8	11110.8	10749.4	10242.6	9632.2	8959.8	8114.6	7161.5	6109.0	4987.4	372.9
30°	11204.4	10997.1	10654.4	10160.6	9554.4	8887.8	8021.0	7037.7	5973.7	4830.5	344.1
31°	10965.4	10789.7	10458.6	9963.3	9381.6	8719.3	7809.4	6834.7	5743.3	4620.3	311.0
32°	10650.1	10477.3	10151.9	9704.2	9112.4	8444.3	7520.0	6517.9	5472.6	4306.4	277.9
33°	10176.4	10077.1	9784.8	9357.2	8765.4	8051.3	7131.3	6139.2	5086.8	3958.0	249.1
34°	9697.0	9571.7	9367.2	8899.3	8262.9	7550.2	6624.5	5616.6	4616.0	3567.8	221.7
35°	9144.1	9069.2	8748.1	8373.8	7734.5	7006.0	6086.0	5108.4	4067.4	3133.0	194.4
36°	8608.5	8493.3	8127.6	7731.6	7111.1	6323.5	5415.0	4496.4	3593.7	2725.5	165.6
37°	7831.0	7655.3	7394.7	6977.2	6251.5	5580.6	4751.3	3898.9	3010.6	2284.9	133.9
38°	6916.7	6834.7	6473.3	6052.9	5452.5	4816.1	3995.4	3272.6	2483.6	1907.7	102.2
39°	5838.3	5836.9	5491.3	5187.5	4600.1	4027.1	3287.0	2656.4	2050.3	1536.3	79.2
40°	4924.1	4754.2	4541.1	4159.5	3708.9	3222.2	2574.3	2079.0	1591.0	1238.2	61.9
42.5°	2581.5	2567.1	2441.9	2155.4	1903.4	1616.9	1285.7	1071.2	838.0	682.5	38.9
45°	1108.6	1115.8	1029.4	986.3	888.3	768.8	649.3	541.4	463.6	375.8	23.0
47.5°	280.8	269.2	266.4	276.4	276.4	267.8	240.4	226.0	208.8	191.5	13.0
50°	120.9	118.1	115.2	115.2	108.0	103.7	96.5	87.8	80.6	72.0	5.8
52.5°	44.6	46.1	47.5	46.1	46.1	44.6	44.6	43.2	38.9	34.6	2.9
55°	14.4	14.4	14.4	15.8	15.8	17.3	17.3	17.3	17.3	15.8	0.0
57.5°	2.9	2.9	4.3	4.3	4.3	4.3	4.3	4.3	5.8	5.8	0.0
60°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
62.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	0.0	0.0	0.0	1.4	0.0	1.4	1.4	0.0	1.4	1.4	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4



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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	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	54.7	54.7	54.7	54.7	54.7	54.7
2.5°	63.4	56.2	47.5	40.3	38.9	37.4
5°	70.5	51.8	38.9	31.7	28.8	27.4
7.5°	76.3	47.5	31.7	23.0	20.2	18.7
10°	79.2	41.8	25.9	17.3	13.0	13.0
12.5°	80.6	36.0	18.7	11.5	7.2	7.2
15°	79.2	30.2	14.4	5.8	1.4	1.4
17.5°	72.0	24.5	8.6	1.4	0.0	0.0
20°	61.9	20.2	5.8	0.0	0.0	0.0
21°	59.0	17.3	4.3	0.0	0.0	0.0
22°	54.7	15.8	2.9	0.0	0.0	0.0
23°	50.4	14.4	2.9	0.0	0.0	0.0
24°	46.1	13.0	1.4	0.0	0.0	0.0
25°	43.2	11.5	1.4	0.0	0.0	0.0
26°	40.3	10.1	1.4	0.0	0.0	0.0
27°	36.0	8.6	0.0	0.0	0.0	0.0
28°	33.1	7.2	0.0	0.0	0.0	0.0
29°	28.8	5.8	0.0	0.0	0.0	0.0
30°	24.5	4.3	0.0	0.0	0.0	0.0
31°	20.2	4.3	0.0	0.0	0.0	0.0
32°	17.3	2.9	0.0	0.0	0.0	0.0
33°	14.4	2.9	0.0	0.0	0.0	0.0
34°	13.0	2.9	0.0	0.0	0.0	0.0
35°	11.5	2.9	0.0	0.0	0.0	0.0
36°	8.6	1.4	0.0	0.0	0.0	0.0
37°	7.2	1.4	0.0	0.0	0.0	0.0
38°	5.8	1.4	0.0	0.0	0.0	0.0
39°	4.3	0.0	0.0	0.0	0.0	0.0
40°	4.3	0.0	0.0	0.0	0.0	0.0
42.5°	1.4	0.0	0.0	0.0	0.0	0.0
45°	0.0	1.4	0.0	0.0	1.4	1.4
47.5°	0.0	1.4	0.0	0.0	1.4	2.9
50°	0.0	1.4	1.4	1.4	2.9	4.3
52.5°	0.0	2.9	1.4	1.4	4.3	4.3
55°	1.4	2.9	1.4	2.9	5.8	5.8
57.5°	1.4	2.9	2.9	4.3	5.8	7.2
60°	2.9	4.3	4.3	4.3	7.2	7.2
62.5°	2.9	4.3	5.8	5.8	7.2	8.6
65°	2.9	5.8	5.8	5.8	7.2	8.6
67.5°	4.3	5.8	5.8	5.8	7.2	8.6
70°	4.3	5.8	5.8	5.8	7.2	7.2
72.5°	4.3	5.8	4.3	5.8	5.8	7.2
75°	4.3	5.8	4.3	4.3	5.8	5.8
77.5°	2.9	4.3	4.3	2.9	4.3	4.3
80°	2.9	4.3	2.9	2.9	4.3	4.3



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	2.9	4.3	2.9	1.4	2.9	2.9
85°	2.9	4.3	2.9	1.4	1.4	1.4
87.5°	2.9	4.3	2.9	1.4	0.0	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)