

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: P1309641

Luminaire Tested: LDSQA3D24R159030D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309641
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R159030D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

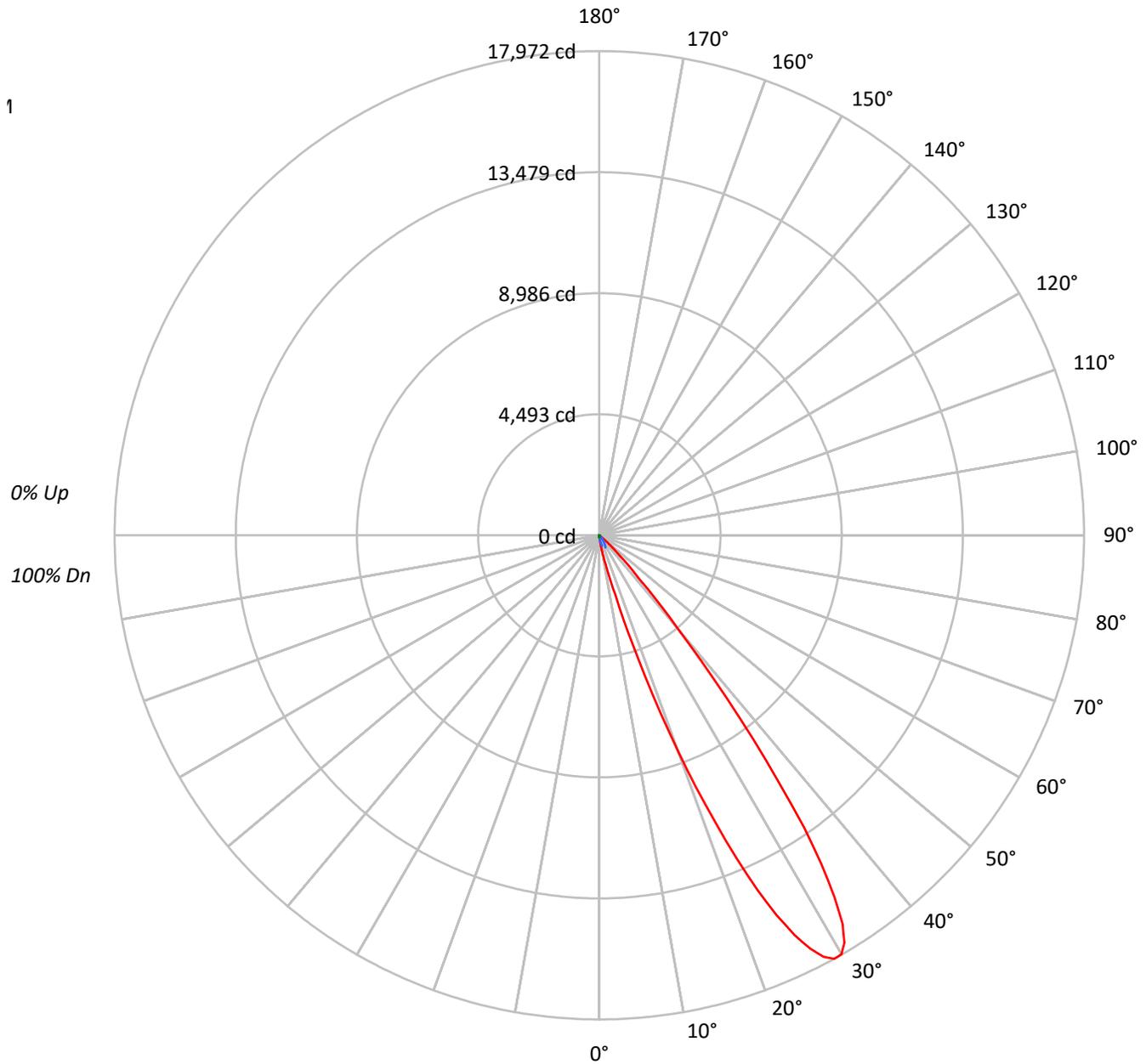
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1962.9 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
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 (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	75	71	79	74	70	77	73	70	77	73	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	71	66	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	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	42	51	46	42	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	11177	11177	11177	11177	11177
5°	24100	17824	10563	5619	4616
10°	106851	33734	8342	2343	1661
15°	404130	77970	5795	1016	678
20°	1554195	109892	3501	348	348
25°	2955466	103051	1805	0	0
30°	3570273	83166	756	0	0
35°	2784548	56598	399	0	0
40°	1016145	27900	427	0	427
45°	260901	8378	463	0	926
50°	43994	1018	509	509	1527
55°	5735	0	1141	1711	2852
60°	654	654	1963	2618	3961
65°	774	774	3097	3871	4686
70°	957	957	3827	3827	4784
75°	1264	1264	5057	3793	5057
80°	0	1884	5653	3769	5653
85°	0	3754	11263	3754	3754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 260901 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.9	0.5
10°-20°	150.4	7.7
20°-30°	834.3	42.5
30°-40°	806.0	41.1
40°-50°	140.2	7.1
50°-60°	10.0	0.5
60°-70°	5.9	0.3
70°-80°	4.8	0.2
80°-90°	2.4	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°	993.6	50.6
0°-40°	1799.6	91.7
0°-60°	1949.8	99.3
0°-90°	1962.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1962.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	65	65	65	65	65	
5°	139	103	61	32	27	27
15°	2267	437	32	6	4	1010
25°	15553	542	10	0	0	6954
35°	13244	269	2	0	0	7617
45°	1071	34	2	0	4	1151
55°	19	0	4	6	10	37
65°	2	2	8	10	12	2
75°	2	2	8	6	8	1
85°	0	2	6	2	2	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°	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
2.5°	95.5	91.7	93.6	93.6	93.6	93.6	93.6	89.7	89.7	91.7	82.1
5°	139.4	139.4	137.5	139.4	139.4	137.5	133.7	131.8	131.8	127.9	103.1
7.5°	278.8	275.0	275.0	271.1	252.1	246.3	242.5	233.0	215.8	212.0	133.7
10°	611.0	613.0	599.6	582.4	580.5	551.8	542.3	525.1	492.7	460.2	192.9
12.5°	1109.4	1084.6	1052.1	1054.0	998.7	979.6	935.7	887.9	838.3	786.7	317.0
15°	2266.6	2195.9	2237.9	2134.8	2018.3	1886.6	1752.9	1584.9	1441.7	1288.9	437.3
17.5°	4773.8	4842.5	4726.0	4284.9	4013.8	3694.9	3246.2	2812.7	2442.3	2144.4	534.7
20°	8480.1	8581.3	8186.1	7802.2	7143.5	6425.5	5677.0	4829.1	4017.6	3314.9	599.6
21°	10028.7	9967.6	9805.3	9190.4	8430.5	7597.9	6681.4	5745.7	4762.3	3849.6	605.3
22°	11525.8	11554.4	11176.3	10532.8	9742.3	8820.0	7701.0	6545.8	5486.0	4284.9	595.8
23°	13017.1	13108.8	12608.5	12005.1	11010.2	9969.5	8674.9	7428.0	6118.1	4783.3	576.7
24°	14397.7	14334.7	13996.7	13236.7	12173.1	10954.8	9610.5	8098.2	6637.4	5209.1	561.4
25°	15552.9	15545.3	15014.4	14275.5	13059.1	11709.1	10227.3	8646.2	7082.4	5497.5	542.3
26°	16498.1	16343.5	15925.3	15024.0	13822.9	12398.4	10733.3	9045.3	7332.5	5642.6	523.2
27°	17227.6	17116.8	16555.4	15617.8	14363.3	12788.0	11057.9	9243.9	7447.1	5690.3	498.4
28°	17718.3	17598.0	17000.3	16034.1	14661.2	13032.4	11229.8	9327.9	7447.1	5644.5	475.5
29°	17972.3	17808.0	17212.3	16177.3	14729.9	13061.0	11187.8	9245.8	7330.6	5503.2	448.7
30°	17953.2	17748.9	17124.4	16047.5	14525.6	12826.1	10952.9	8949.9	7067.1	5293.1	418.2
31°	17643.8	17414.7	16717.7	15608.3	14103.6	12383.1	10509.9	8552.7	6706.2	5020.1	387.6
32°	17015.6	16725.4	16045.6	14940.0	13454.4	11720.5	9866.4	7939.7	6165.8	4621.0	355.2
33°	15992.1	15700.0	14970.5	13933.7	12576.0	10880.4	9012.9	7280.9	5550.9	4145.5	328.4
34°	14710.8	14443.5	13815.3	12770.8	11468.5	9816.8	8031.4	6370.1	4913.2	3673.9	299.8
35°	13244.3	12818.5	12249.5	11422.7	10152.8	8491.6	6971.6	5522.3	4256.3	3179.3	269.2
36°	11260.4	11336.7	10733.3	9721.3	8669.2	7366.9	5908.0	4603.8	3559.3	2709.6	242.5
37°	9501.7	9381.4	8997.6	8214.7	7298.1	6005.4	4951.3	3903.0	2994.1	2291.4	213.9
38°	7664.8	7691.5	7315.3	6713.8	5804.9	4938.0	3985.1	3206.1	2505.3	1949.6	187.1
39°	5999.7	5978.7	5877.5	5319.9	4496.9	3927.9	3229.0	2658.0	2087.1	1644.1	158.5
40°	4519.8	4554.2	4317.4	3981.3	3502.0	3034.2	2572.1	2119.6	1726.2	1386.3	124.1
42.5°	2197.8	2251.3	2094.7	2008.8	1796.8	1613.5	1361.5	1111.3	945.2	817.3	55.4
45°	1071.2	1040.7	1027.3	985.3	935.7	836.4	740.9	635.9	555.7	479.3	34.4
47.5°	548.0	532.8	532.8	515.6	498.4	465.9	418.2	383.8	345.6	297.9	13.4
50°	164.2	162.3	160.4	162.3	156.6	162.3	166.1	168.0	152.8	150.9	3.8
52.5°	64.9	66.8	64.9	70.7	70.7	68.7	70.7	68.7	66.8	59.2	0.0
55°	19.1	19.1	19.1	19.1	19.1	19.1	21.0	22.9	21.0	22.9	0.0
57.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0
60°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9
62.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
65°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
67.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
70°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
72.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9



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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	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
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°	64.9	64.9	64.9	64.9	64.9	64.9
2.5°	76.4	66.8	55.4	45.8	42.0	40.1
5°	82.1	61.1	42.0	32.5	28.6	26.7
7.5°	87.8	55.4	32.5	22.9	17.2	15.3
10°	91.7	47.7	24.8	13.4	9.5	9.5
12.5°	91.7	38.2	17.2	7.6	5.7	5.7
15°	89.7	32.5	11.5	5.7	3.8	3.8
17.5°	87.8	24.8	7.6	3.8	1.9	3.8
20°	82.1	19.1	3.8	1.9	1.9	1.9
21°	80.2	17.2	3.8	1.9	1.9	1.9
22°	76.4	15.3	1.9	0.0	1.9	1.9
23°	72.6	11.5	1.9	0.0	0.0	0.0
24°	66.8	9.5	1.9	0.0	0.0	0.0
25°	63.0	9.5	1.9	0.0	0.0	0.0
26°	59.2	5.7	0.0	0.0	0.0	0.0
27°	53.5	3.8	0.0	0.0	0.0	0.0
28°	49.6	3.8	0.0	0.0	0.0	0.0
29°	43.9	3.8	0.0	0.0	0.0	0.0
30°	38.2	3.8	0.0	0.0	0.0	0.0
31°	30.6	1.9	0.0	0.0	0.0	0.0
32°	24.8	1.9	0.0	0.0	0.0	0.0
33°	17.2	1.9	0.0	0.0	0.0	0.0
34°	11.5	1.9	0.0	0.0	0.0	0.0
35°	9.5	1.9	0.0	0.0	0.0	0.0
36°	5.7	1.9	0.0	0.0	0.0	1.9
37°	5.7	1.9	0.0	0.0	0.0	1.9
38°	3.8	1.9	0.0	0.0	0.0	1.9
39°	1.9	1.9	0.0	0.0	0.0	1.9
40°	1.9	1.9	0.0	0.0	0.0	1.9
42.5°	0.0	1.9	0.0	0.0	1.9	3.8
45°	0.0	1.9	0.0	0.0	1.9	3.8
47.5°	0.0	1.9	0.0	0.0	3.8	3.8
50°	0.0	1.9	1.9	1.9	3.8	5.7
52.5°	0.0	3.8	1.9	3.8	5.7	7.6
55°	1.9	3.8	3.8	5.7	7.6	9.5
57.5°	1.9	5.7	5.7	7.6	9.5	9.5
60°	3.8	5.7	7.6	7.6	11.5	11.5
62.5°	3.8	7.6	7.6	7.6	11.5	11.5
65°	3.8	7.6	7.6	9.5	11.5	11.5
67.5°	3.8	7.6	7.6	7.6	9.5	11.5
70°	3.8	7.6	5.7	7.6	9.5	9.5
72.5°	3.8	7.6	5.7	5.7	7.6	9.5
75°	3.8	7.6	5.7	5.7	7.6	7.6
77.5°	3.8	5.7	5.7	3.8	5.7	5.7
80°	3.8	5.7	3.8	3.8	5.7	5.7



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	3.8	5.7	3.8	1.9	3.8	3.8
85°	3.8	5.7	3.8	1.9	1.9	1.9
87.5°	3.8	5.7	1.9	0.0	0.0	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)