

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: P1311893

Luminaire Tested: LDSQA3D24R209040D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311893  
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: LDSQA3D24R209040D010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

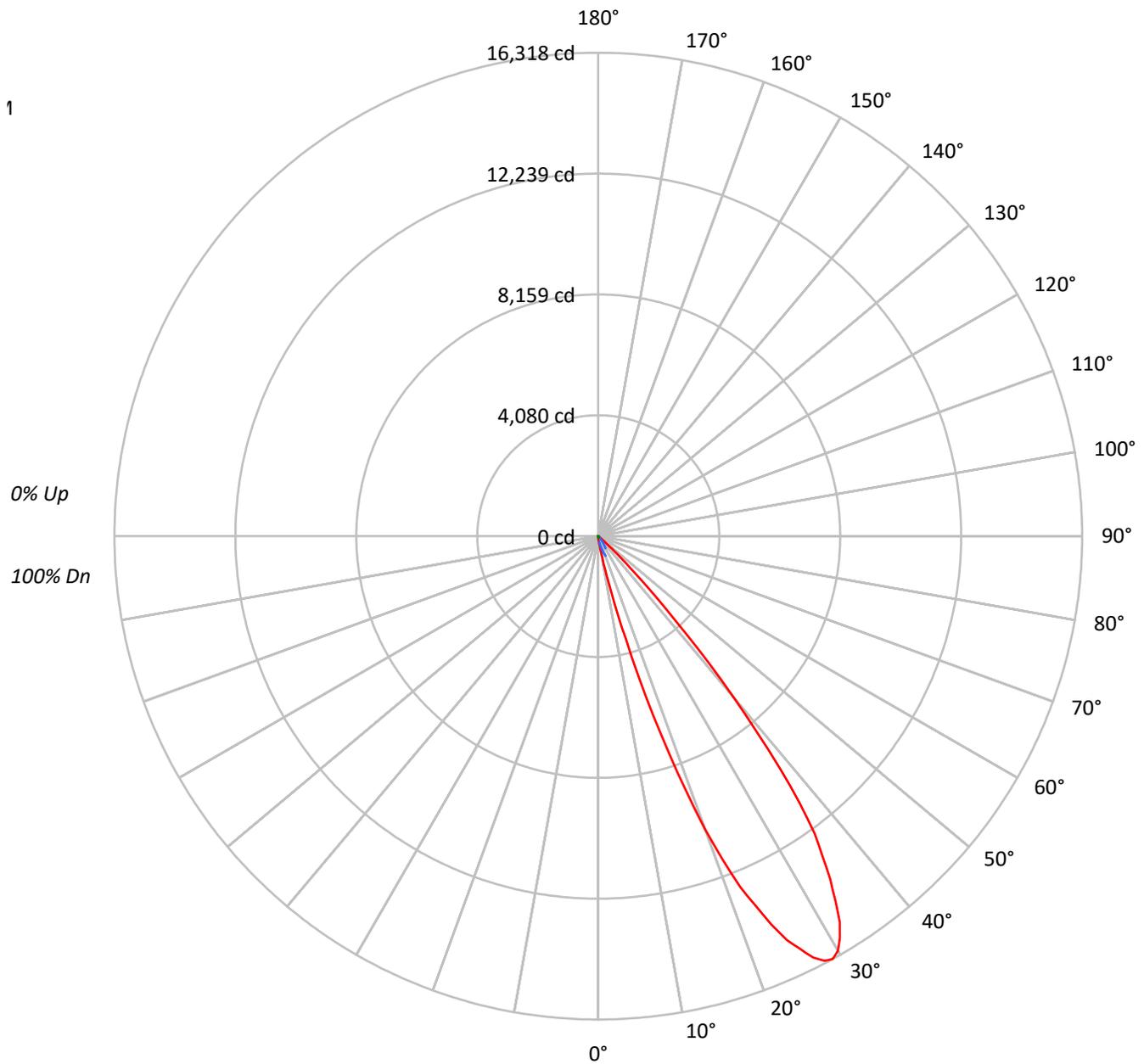
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2289.0 lumens  
Efficiency: N/A  
Efficacy: 79.5 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): 28.8  
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	100				100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92				92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83				83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75				75
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68				68
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61				61
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55				55
7	76	65	58	53	74	64	57	53	63	57	52	62	56	52	60	55	52	50				50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45				45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41				41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37				37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	13588	13588	13588	13588	13588
5°	31240	23339	12931	7901	6829
10°	98422	40677	10528	4354	3270
15°	637594	75170	7774	1480	374
20°	1924320	128641	5333	0	0
25°	2857849	129826	3154	0	0
30°	3213787	98697	1233	0	0
35°	2772901	58932	883	0	0
40°	1596722	20076	0	0	0
45°	389452	8086	511	0	511
50°	46727	2224	563	563	1661
55°	6245	0	1261	1261	2492
60°	723	0	2136	2136	3582
65°	856	856	3382	3382	5094
70°	1057	1057	4179	4179	5237
75°	0	1397	5523	4126	5523
80°	0	2083	6149	4166	6149
85°	0	4150	12251	4150	4150

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 2.5°  
 Vertical Angle: 45°  
 Luminance: 391985 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.6	0.5
10°-20°	212.1	9.3
20°-30°	924.6	40.4
30°-40°	931.1	40.7
40°-50°	186.8	8.2
50°-60°	9.4	0.4
60°-70°	6.2	0.3
70°-80°	5.5	0.2
80°-90°	2.8	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°	1147.3	50.1
0°-40°	2078.4	90.8
0°-60°	2274.6	99.4
0°-90°	2289.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2289.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	79	79	79	79	79	
5°	181	135	75	46	40	28
15°	3576	422	44	8	2	1401
25°	15039	683	17	0	0	6781
35°	13189	280	4	0	0	7847
45°	1599	33	2	0	2	1741
55°	21	0	4	4	8	39
65°	2	2	8	8	12	2
75°	0	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°	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
2.5°	118.4	118.4	116.3	116.3	114.2	116.3	112.1	114.2	114.2	112.1	101.8
5°	180.7	184.8	182.7	182.7	180.7	182.7	178.6	174.4	170.3	170.3	135.0
7.5°	297.0	294.9	290.7	292.8	286.6	282.4	278.3	276.2	263.7	257.5	176.5
10°	562.8	575.2	564.9	562.8	525.4	523.3	498.4	463.1	431.9	415.3	232.6
12.5°	1549.2	1615.6	1511.8	1462.0	1432.9	1320.8	1273.0	1150.5	1032.1	942.8	294.9
15°	3576.0	3740.1	3530.3	3544.9	3370.4	3050.6	2770.3	2529.4	2244.9	1958.3	421.6
17.5°	7006.7	6873.8	6759.5	6566.4	6211.3	5742.0	5137.7	4525.1	3995.5	3441.0	587.7
20°	10499.6	10381.3	10121.7	9700.1	9247.4	8551.7	7833.2	6913.2	6022.3	5187.5	701.9
21°	11702.0	11662.6	11236.8	10977.3	10279.5	9615.0	8786.4	7802.0	6799.0	5810.5	720.6
22°	12775.6	12538.9	12310.5	11926.3	11232.7	10510.0	9588.0	8551.7	7463.5	6365.0	722.7
23°	13519.1	13411.1	13195.1	12761.1	12071.7	11222.3	10250.4	9166.4	8020.1	6757.5	716.4
24°	14341.5	14204.4	13888.7	13382.0	12686.3	11847.4	10738.4	9662.7	8416.7	7087.7	699.8
25°	15039.2	14825.3	14451.5	13905.4	13145.3	12279.3	11164.2	9982.5	8692.9	7309.9	683.2
26°	15491.9	15375.6	14895.9	14302.0	13487.9	12595.0	11457.0	10227.6	8871.5	7411.6	656.2
27°	15963.3	15749.4	15278.0	14594.8	13712.2	12800.6	11623.1	10345.9	8933.8	7415.8	623.0
28°	16233.3	16000.7	15467.0	14748.5	13857.6	12914.8	11718.6	10383.3	8921.4	7351.4	583.5
29°	16318.4	16025.6	15504.4	14773.4	13892.9	12923.1	11704.1	10329.3	8811.3	7193.6	537.9
30°	16160.6	15861.6	15367.3	14655.0	13780.8	12819.3	11569.1	10150.7	8616.1	6967.2	496.3
31°	15815.9	15562.5	15084.9	14370.5	13531.6	12576.3	11263.8	9857.9	8283.8	6664.0	448.6
32°	15361.1	15111.9	14642.6	13996.7	13143.2	12179.6	10846.4	9401.1	7893.4	6211.3	400.8
33°	14677.9	14534.6	14113.0	13496.2	12642.7	11612.7	10285.7	8854.9	7336.9	5708.8	359.3
34°	13986.3	13805.7	13510.8	12835.9	11918.0	10890.0	9554.7	8101.1	6657.8	5146.0	319.8
35°	13188.9	13080.9	12617.8	12077.9	11155.8	10105.1	8778.1	7368.0	5866.6	4518.8	280.3
36°	12416.4	12250.2	11722.8	11151.7	10256.7	9120.7	7810.3	6485.4	5183.4	3931.1	238.8
37°	11295.0	11041.6	10665.8	10063.5	9016.9	8049.2	6853.0	5623.6	4342.3	3295.7	193.1
38°	9976.3	9857.9	9336.7	8730.3	7864.3	6946.4	5762.7	4720.3	3582.2	2751.6	147.4
39°	8420.9	8418.8	7920.4	7482.2	6634.9	5808.4	4741.0	3831.4	2957.2	2215.8	114.2
40°	7102.2	6857.1	6549.8	5999.5	5349.5	4647.6	3713.1	2998.7	2294.7	1785.9	89.3
42.5°	3723.5	3702.7	3522.0	3108.8	2745.4	2332.1	1854.5	1545.0	1208.6	984.3	56.1
45°	1599.0	1609.4	1484.8	1422.5	1281.3	1108.9	936.6	780.8	668.7	542.0	33.2
47.5°	404.9	388.3	384.2	398.7	398.7	386.3	346.8	326.0	301.1	276.2	18.7
50°	174.4	170.3	166.1	166.1	155.7	149.5	139.1	126.7	116.3	103.8	8.3
52.5°	64.4	66.5	68.5	66.5	66.5	64.4	64.4	62.3	56.1	49.8	4.2
55°	20.8	20.8	20.8	22.8	22.8	24.9	24.9	24.9	24.9	22.8	0.0
57.5°	4.2	4.2	6.2	6.2	6.2	6.2	6.2	6.2	8.3	8.3	0.0
60°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
62.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
65°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
67.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
70°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
72.5°	2.1	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
75°	0.0	0.0	0.0	2.1	0.0	2.1	2.1	0.0	2.1	2.1	2.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1



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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	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
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°	78.9	78.9	78.9	78.9	78.9	78.9
2.5°	91.4	81.0	68.5	58.1	56.1	54.0
5°	101.8	74.8	56.1	45.7	41.5	39.5
7.5°	110.1	68.5	45.7	33.2	29.1	27.0
10°	114.2	60.2	37.4	24.9	18.7	18.7
12.5°	116.3	51.9	27.0	16.6	10.4	10.4
15°	114.2	43.6	20.8	8.3	2.1	2.1
17.5°	103.8	35.3	12.5	2.1	0.0	0.0
20°	89.3	29.1	8.3	0.0	0.0	0.0
21°	85.1	24.9	6.2	0.0	0.0	0.0
22°	78.9	22.8	4.2	0.0	0.0	0.0
23°	72.7	20.8	4.2	0.0	0.0	0.0
24°	66.5	18.7	2.1	0.0	0.0	0.0
25°	62.3	16.6	2.1	0.0	0.0	0.0
26°	58.1	14.5	2.1	0.0	0.0	0.0
27°	51.9	12.5	0.0	0.0	0.0	0.0
28°	47.8	10.4	0.0	0.0	0.0	0.0
29°	41.5	8.3	0.0	0.0	0.0	0.0
30°	35.3	6.2	0.0	0.0	0.0	0.0
31°	29.1	6.2	0.0	0.0	0.0	0.0
32°	24.9	4.2	0.0	0.0	0.0	0.0
33°	20.8	4.2	0.0	0.0	0.0	0.0
34°	18.7	4.2	0.0	0.0	0.0	0.0
35°	16.6	4.2	0.0	0.0	0.0	0.0
36°	12.5	2.1	0.0	0.0	0.0	0.0
37°	10.4	2.1	0.0	0.0	0.0	0.0
38°	8.3	2.1	0.0	0.0	0.0	0.0
39°	6.2	0.0	0.0	0.0	0.0	0.0
40°	6.2	0.0	0.0	0.0	0.0	0.0
42.5°	2.1	0.0	0.0	0.0	0.0	0.0
45°	0.0	2.1	0.0	0.0	2.1	2.1
47.5°	0.0	2.1	0.0	0.0	2.1	4.2
50°	0.0	2.1	2.1	2.1	4.2	6.2
52.5°	0.0	4.2	2.1	2.1	6.2	6.2
55°	2.1	4.2	2.1	4.2	8.3	8.3
57.5°	2.1	4.2	4.2	6.2	8.3	10.4
60°	4.2	6.2	6.2	6.2	10.4	10.4
62.5°	4.2	6.2	8.3	8.3	10.4	12.5
65°	4.2	8.3	8.3	8.3	10.4	12.5
67.5°	6.2	8.3	8.3	8.3	10.4	12.5
70°	6.2	8.3	8.3	8.3	10.4	10.4
72.5°	6.2	8.3	6.2	8.3	8.3	10.4
75°	6.2	8.3	6.2	6.2	8.3	8.3
77.5°	4.2	6.2	6.2	4.2	6.2	6.2
80°	4.2	6.2	4.2	4.2	6.2	6.2



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**CANDELA DISTRIBUTION (continued):**

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	4.2	6.2	4.2	2.1	4.2	4.2
85°	4.2	6.2	4.2	2.1	2.1	2.1
87.5°	4.2	6.2	4.2	2.1	0.0	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)