

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: P1309238

Luminaire Tested: LDSQA3D13R309030DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309238  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R309030DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

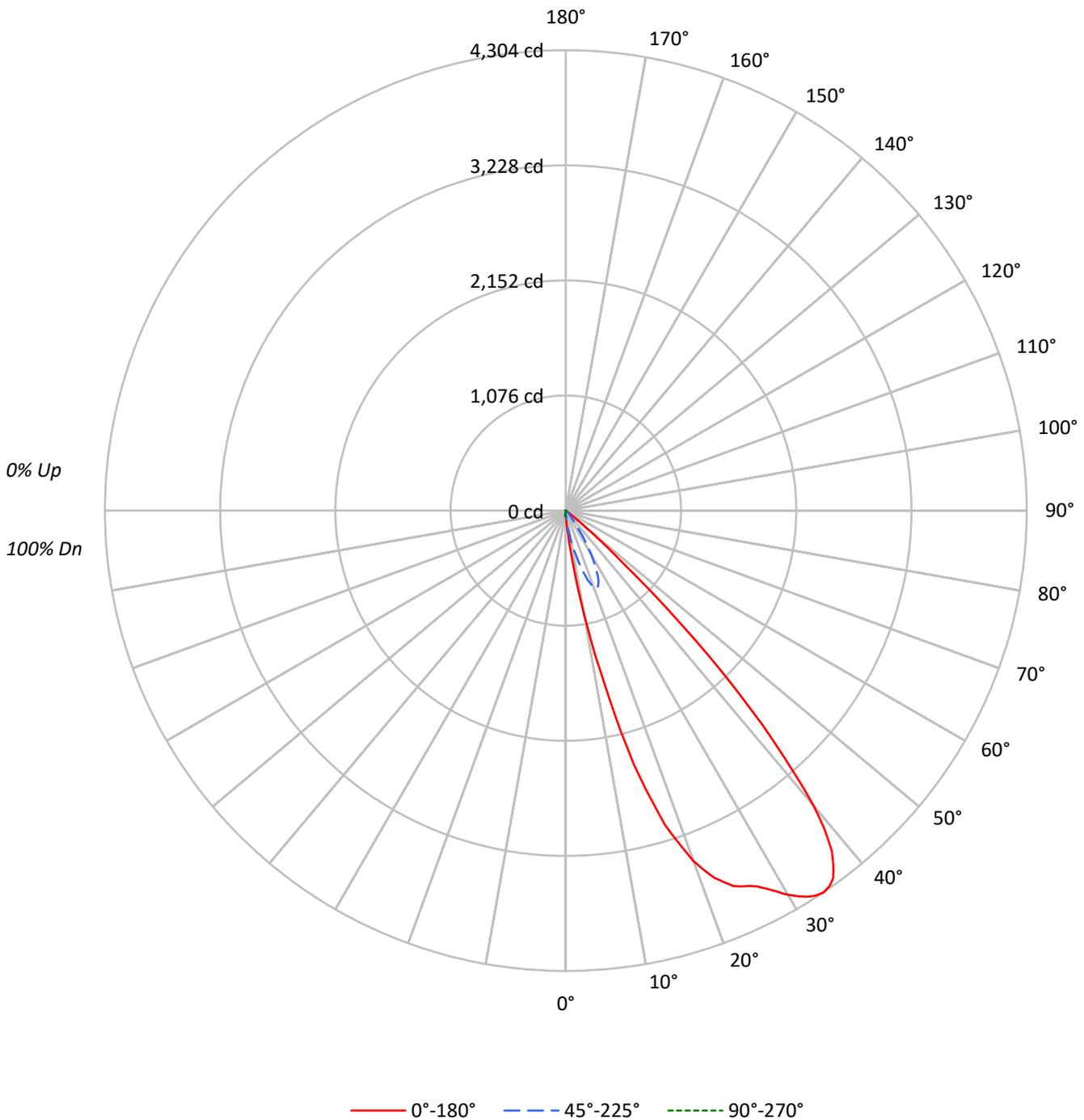
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1036.0 lumens  
Efficiency: N/A  
Efficacy: 71.0 lumens/watt  
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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





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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	98	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	78	74	70	76	73	69	76	73	69	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	71	66	63	61
6	81	71	64	58	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	43	51	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	48	43	39	37

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

	0°	45°	90°	135°	180°
0°	9541	9541	9541	9541	9541
5°	34628	21506	8748	3527	2524
10°	171382	51519	6803	682	0
15°	437187	98117	4333	0	0
20°	638788	139528	1778	0	0
25°	736961	136895	361	0	0
30°	824795	93964	0	0	0
35°	902035	40472	0	0	0
40°	809602	15737	0	0	0
45°	413442	6406	0	0	0
50°	63821	777	0	0	0
55°	3783	0	300	0	0
60°	0	0	344	0	0
65°	0	0	774	0	0
70°	0	504	957	0	0
75°	0	665	1930	0	0
80°	0	992	2876	0	0
85°	0	1976	5730	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 413442 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.6	1.1
10°-20°	138.0	13.3
20°-30°	341.1	32.9
30°-40°	392.3	37.9
40°-50°	145.5	14.0
50°-60°	5.3	0.5
60°-70°	0.5	0.0
70°-80°	0.9	0.1
80°-90°	0.8	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°	490.7	47.4
0°-40°	883.0	85.2
0°-60°	1033.8	99.8
0°-90°	1036.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1036.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	55	55	55	55	55	
5°	200	124	51	20	15	43
15°	2452	550	24	0	0	705
25°	3878	720	2	0	0	1792
35°	4290	192	0	0	0	2601
45°	1698	26	0	0	0	1322
55°	13	0	1	0	0	43
65°	0	0	2	0	0	0
75°	0	1	3	0	0	0
85°	0	1	3	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
2.5°	98.2	99.2	99.2	96.3	95.3	94.3	91.4	82.6	69.0	55.4	44.7
5°	200.3	201.3	201.3	195.4	183.8	172.1	162.4	124.4	79.7	50.6	33.1
7.5°	472.5	473.5	453.1	429.7	383.1	358.8	314.0	191.5	90.4	45.7	21.4
10°	980.0	958.6	905.1	837.1	765.1	671.8	577.5	294.6	98.2	38.9	13.6
12.5°	1638.2	1617.8	1548.8	1451.5	1310.6	1127.8	948.9	414.2	99.2	31.1	7.8
15°	2452.0	2394.6	2312.0	2150.6	1942.5	1659.6	1364.0	550.3	95.3	24.3	1.9
17.5°	3082.9	3030.4	2925.4	2736.8	2478.2	2164.2	1801.5	679.6	84.6	15.6	0.0
20°	3485.4	3430.0	3331.8	3165.6	2890.4	2522.0	2106.8	761.3	70.0	9.7	0.0
21°	3600.2	3546.7	3450.4	3285.2	3011.0	2643.5	2181.7	778.8	63.2	7.8	0.0
22°	3701.3	3659.5	3570.0	3390.2	3111.1	2732.9	2257.5	780.7	58.3	5.8	0.0
23°	3772.3	3742.1	3652.7	3487.4	3209.3	2805.9	2298.4	769.0	52.5	3.9	0.0
24°	3840.3	3803.4	3726.6	3572.9	3287.1	2867.1	2335.3	747.6	46.7	2.9	0.0
25°	3878.2	3835.4	3776.1	3632.2	3351.3	2906.0	2357.7	720.4	40.8	1.9	0.0
26°	3904.5	3871.4	3806.3	3667.2	3378.5	2931.3	2360.6	680.6	36.9	1.0	0.0
27°	3944.3	3911.3	3848.1	3698.4	3390.2	2927.4	2343.1	634.9	32.1	0.0	0.0
28°	4004.6	3960.9	3897.7	3731.4	3395.0	2910.9	2304.2	585.3	27.2	0.0	0.0
29°	4073.6	4028.9	3959.9	3775.2	3396.0	2877.8	2242.9	530.8	24.3	0.0	0.0
30°	4147.5	4108.6	4038.6	3817.9	3406.7	2835.0	2172.0	472.5	19.4	0.0	0.0
31°	4205.9	4170.9	4096.0	3856.8	3415.4	2798.1	2084.5	414.2	16.5	0.0	0.0
32°	4256.4	4225.3	4132.9	3865.6	3397.9	2745.6	1991.1	357.8	13.6	0.0	0.0
33°	4291.4	4252.5	4144.6	3843.2	3347.4	2659.0	1887.1	304.3	10.7	0.0	0.0
34°	4304.1	4257.4	4127.1	3784.9	3245.3	2527.8	1752.0	248.9	8.8	0.0	0.0
35°	4290.4	4233.1	4063.9	3684.7	3107.2	2371.3	1589.6	192.5	6.8	0.0	0.0
36°	4246.7	4173.8	3973.5	3541.8	2909.9	2186.5	1427.2	149.7	4.9	0.0	0.0
37°	4152.4	4071.7	3818.9	3353.2	2714.5	1974.6	1242.5	116.7	2.9	0.0	0.0
38°	4036.7	3920.0	3612.8	3115.0	2461.7	1736.4	1059.7	96.3	1.9	0.0	0.0
39°	3839.3	3711.0	3367.8	2840.9	2213.8	1509.9	881.8	83.6	1.0	0.0	0.0
40°	3601.1	3448.5	3087.8	2547.2	1921.1	1272.6	736.0	70.0	1.0	0.0	0.0
42.5°	2716.4	2587.1	2199.2	1732.5	1174.5	750.6	408.3	45.7	0.0	0.0	0.0
45°	1697.5	1562.4	1299.9	949.9	635.8	388.9	196.4	26.3	0.0	0.0	0.0
47.5°	693.2	635.8	523.1	402.5	287.8	182.8	81.7	11.7	0.0	0.0	0.0
50°	238.2	211.9	177.9	130.3	92.4	63.2	42.8	2.9	0.0	0.0	0.0
52.5°	69.0	70.0	61.3	52.5	40.8	29.2	21.4	0.0	0.0	0.0	0.0
55°	12.6	10.7	12.6	11.7	12.6	10.7	7.8	0.0	0.0	1.0	0.0
57.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	1.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	1.9	1.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	1.9	1.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	2.9	1.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	2.9	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	2.9	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	2.9	1.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	2.9	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	2.9	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	2.9	1.0
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):**

	135°	157.5°	180°
0°	55.4	55.4	55.4
2.5°	36.0	32.1	30.1
5°	20.4	15.6	14.6
7.5°	10.7	6.8	5.8
10°	3.9	1.0	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	135°	157.5°	180°
82.5°	0.0	0.0	0.0
85°	0.0	0.0	0.0
87.5°	0.0	0.0	0.0
90°	0.0	0.0	0.0

(END OF REPORT)