

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: P1313817

Luminaire Tested: LDSQA3D17R309727DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313817  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R309727DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

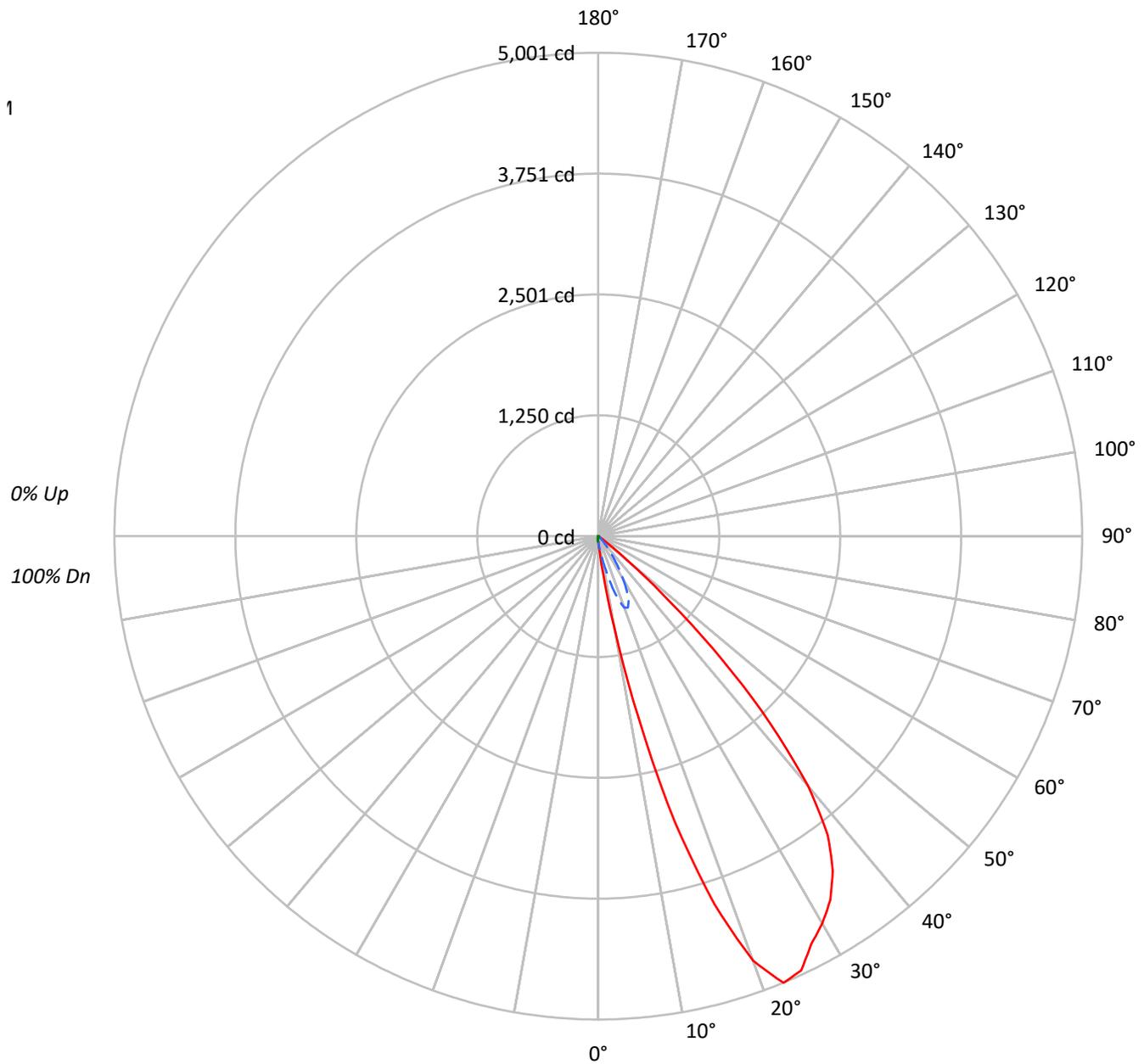
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1179.0 lumens  
Efficiency: N/A  
Efficacy: 55.6 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P1313817  
CATALOG NUMBER: LDSQA3D17R309727DE010 3LSQCA30R 1MW

### Luminous Intensity Polar Plot



— 0°-180°    - - - 45°-225°    ····· 90°-270°



TEST NUMBER: P1313817

CATALOG NUMBER: LDSQA3D17R309727DE010 3LSQCA30R 1MW

**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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	76	73	69	68
5	87	77	70	65	85	76	69	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	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	52	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	48	43	39	37

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

	0°	45°	90°	135°	180°
0°	9644	9644	9644	9644	9644
5°	29061	19363	9128	4097	3354
10°	168252	41079	7153	1889	1312
15°	547250	93161	4992	392	196
20°	856336	144146	3152	0	0
25°	942133	140848	1634	0	0
30°	920191	101561	636	0	0
35°	888117	57754	231	0	0
40°	757376	24460	0	0	0
45°	444496	9182	268	0	268
50°	107949	1742	295	295	857
55°	9368	0	661	961	1291
60°	379	0	758	1102	1860
65°	448	448	1304	1304	2201
70°	554	554	1611	1611	2165
75°	0	732	2129	2129	2129
80°	0	1091	3174	2182	2182
85°	0	2174	6323	2174	2174

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 444496 cd/sqm



TEST NUMBER: P1313817

CATALOG NUMBER: LDSQA3D17R309727DE010 3LSQCA30R 1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.3	0.9
10°-20°	162.0	13.7
20°-30°	411.8	34.9
30°-40°	410.4	34.8
40°-50°	166.3	14.1
50°-60°	11.5	1.0
60°-70°	2.6	0.2
70°-80°	2.6	0.2
80°-90°	1.5	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°	584.1	49.5
0°-40°	994.6	84.4
0°-60°	1172.3	99.4
0°-90°	1179.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1179.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	56	56	56	56	56	
5°	168	112	53	24	19	39
15°	3069	522	28	2	1	893
25°	4958	741	9	0	0	2239
35°	4224	275	1	0	0	2589
45°	1825	38	1	0	1	1392
55°	31	0	2	3	4	82
65°	1	1	3	3	5	1
75°	0	1	3	3	3	0
85°	0	1	3	1	1	0
90°	0	0	0	0	0	



TEST NUMBER: P1313817

CATALOG NUMBER: LDSQA3D17R309727DE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
2.5°	92.7	93.7	93.7	91.6	90.5	90.5	87.3	86.2	83.0	79.7	68.9
5°	168.1	164.8	160.5	160.5	150.8	145.4	137.9	129.3	122.8	112.0	79.7
7.5°	381.4	355.5	348.0	338.3	301.7	272.6	239.2	210.1	183.1	160.5	88.3
10°	962.1	911.4	869.4	784.3	677.6	575.3	480.5	370.6	295.2	234.9	94.8
12.5°	1938.1	1870.3	1789.5	1634.3	1435.0	1179.7	953.4	712.1	499.9	345.8	97.0
15°	3069.3	2954.1	2828.0	2630.9	2304.4	1938.1	1529.8	1145.2	802.6	522.5	94.8
17.5°	3991.5	3946.3	3759.9	3490.6	3090.9	2619.0	2115.9	1590.1	1082.7	684.1	88.3
20°	4672.4	4641.2	4416.0	4129.4	3679.1	3138.3	2499.4	1868.1	1277.7	786.5	78.6
22.5°	5001.0	4995.6	4832.9	4539.9	4062.6	3449.6	2746.1	2028.6	1338.1	800.5	65.7
25°	4957.9	4977.3	4884.6	4667.0	4209.2	3577.8	2819.4	2028.6	1293.9	741.2	54.9
27.5°	4761.8	4774.8	4716.6	4549.6	4123.0	3485.2	2717.0	1898.3	1165.7	636.7	45.2
30°	4627.2	4632.5	4560.4	4381.5	3929.0	3274.0	2475.7	1656.9	971.8	510.7	33.4
32.5°	4463.4	4462.3	4378.3	4173.6	3674.8	2977.8	2169.8	1369.3	746.6	387.8	19.4
35°	4224.2	4197.3	4083.1	3847.2	3295.6	2579.1	1778.7	1042.9	537.6	274.7	11.9
37.5°	3895.6	3825.6	3664.0	3348.4	2763.4	2022.2	1318.7	732.6	367.4	182.1	7.5
40°	3368.8	3294.5	3074.7	2691.2	2090.0	1455.5	888.8	477.3	231.6	108.8	4.3
42.5°	2641.6	2591.0	2294.7	1912.3	1380.1	928.7	534.4	282.3	130.4	62.5	1.1
45°	1825.0	1759.3	1526.6	1202.3	828.5	515.0	299.5	147.6	74.3	37.7	0.0
47.5°	1007.3	926.5	791.8	622.7	416.9	270.4	150.8	79.7	42.0	18.3	0.0
50°	402.9	399.7	317.8	226.2	159.4	122.8	75.4	43.1	21.5	6.5	1.1
52.5°	141.1	141.1	121.7	99.1	77.6	56.0	37.7	20.5	7.5	2.2	1.1
55°	31.2	34.5	32.3	30.2	29.1	24.8	16.2	7.5	2.2	0.0	1.1
57.5°	3.2	3.2	3.2	4.3	5.4	5.4	4.3	2.2	0.0	0.0	1.1
60°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	2.2
62.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1	2.2
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2
75°	0.0	0.0	1.1	1.1	0.0	1.1	1.1	1.1	1.1	1.1	3.2
77.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.2
82.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1313817

CATALOG NUMBER: LDSQA3D17R309727DE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (continued):**

	90°	112.5°	135°	157.5°	180°
0°	56.0	56.0	56.0	56.0	56.0
2.5°	56.0	44.2	36.6	32.3	31.2
5°	52.8	33.4	23.7	20.5	19.4
7.5°	47.4	24.8	16.2	12.9	11.9
10°	40.9	18.3	10.8	7.5	7.5
12.5°	34.5	14.0	6.5	3.2	2.2
15°	28.0	8.6	2.2	1.1	1.1
17.5°	21.5	5.4	0.0	0.0	0.0
20°	17.2	2.2	0.0	0.0	0.0
22.5°	12.9	1.1	0.0	0.0	0.0
25°	8.6	0.0	0.0	0.0	0.0
27.5°	5.4	0.0	0.0	0.0	0.0
30°	3.2	0.0	0.0	0.0	0.0
32.5°	1.1	0.0	0.0	0.0	0.0
35°	1.1	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	1.1	0.0	0.0	1.1	1.1
47.5°	1.1	1.1	1.1	2.2	2.2
50°	1.1	1.1	1.1	2.2	3.2
52.5°	2.2	1.1	2.2	3.2	3.2
55°	2.2	2.2	3.2	4.3	4.3
57.5°	2.2	2.2	3.2	4.3	4.3
60°	2.2	2.2	3.2	4.3	5.4
62.5°	3.2	3.2	3.2	4.3	4.3
65°	3.2	3.2	3.2	4.3	5.4
67.5°	3.2	3.2	3.2	4.3	5.4
70°	3.2	3.2	3.2	4.3	4.3
72.5°	4.3	3.2	3.2	4.3	4.3
75°	3.2	3.2	3.2	3.2	3.2
77.5°	3.2	3.2	2.2	3.2	3.2
80°	3.2	2.2	2.2	2.2	2.2
82.5°	3.2	2.2	2.2	2.2	2.2
85°	3.2	2.2	1.1	1.1	1.1
87.5°	3.2	2.2	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)