

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: P1313688

Luminaire Tested: LDSQA3D13R359727DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313688  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R359727DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

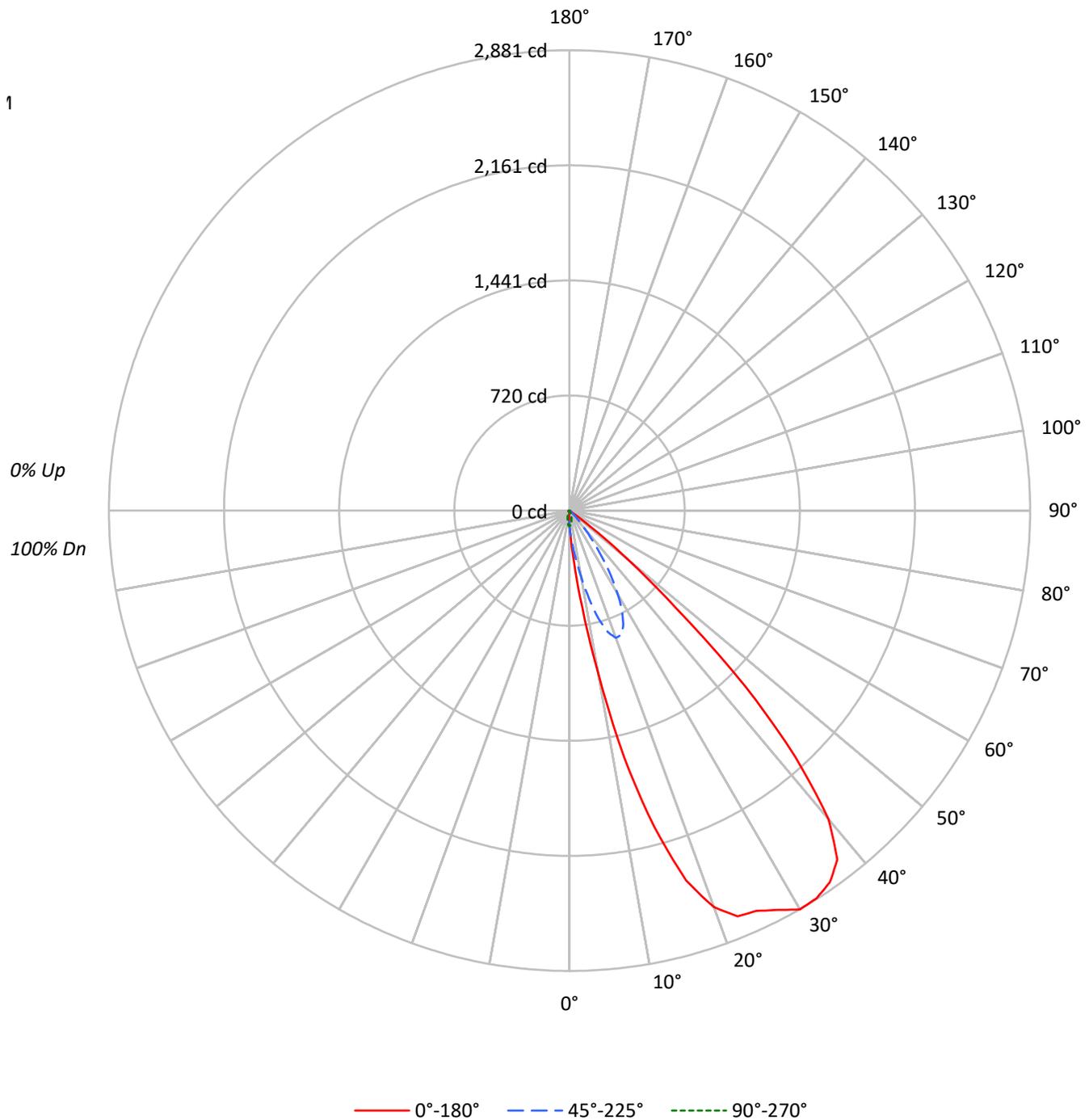
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 906.0 lumens  
Efficiency: N/A  
Efficacy: 62.1 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
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 (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

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### Luminous Intensity Polar Plot





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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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	89	87	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	82	79	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	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°	16396	16396	16396	16396	16396
5°	55823	36270	15317	6466	4789
10°	179636	73537	12084	2413	1556
15°	365992	124702	8558	874	588
20°	483976	155308	5517	293	293
25°	525139	150995	3097	152	304
30°	572852	120334	1293	159	318
35°	596928	74889	336	168	336
40°	566436	32734	180	360	540
45°	378151	13079	195	585	999
50°	126812	2170	429	884	1313
55°	7086	240	480	1231	1711
60°	551	276	827	1412	1963
65°	652	326	978	1671	2323
70°	403	403	1209	2065	2467
75°	532	532	1597	2196	2728
80°	0	793	2380	2380	2380
85°	0	1581	4742	1581	3162

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 378151 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.5	1.8
10°-20°	130.1	14.4
20°-30°	274.6	30.3
30°-40°	311.6	34.4
40°-50°	153.4	16.9
50°-60°	13.3	1.5
60°-70°	2.7	0.3
70°-80°	2.5	0.3
80°-90°	1.2	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°	421.3	46.5
0°-40°	732.9	80.9
0°-60°	899.5	99.3
0°-90°	906.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	906.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	95	95	95	95	95	
5°	323	210	89	37	28	53
15°	2053	699	48	5	3	584
25°	2764	795	16	1	2	1286
35°	2839	356	2	1	2	1750
45°	1553	54	1	2	4	1147
55°	24	1	2	4	6	93
65°	2	1	2	4	6	1
75°	1	1	2	3	4	1
85°	0	1	2	1	2	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
2.5°	165.1	169.2	167.5	166.7	165.9	162.7	155.3	154.5	147.2	142.3	117.9
5°	322.9	316.4	318.0	309.0	297.7	281.4	270.8	248.1	229.3	209.8	137.4
7.5°	608.3	599.4	582.3	556.3	529.4	494.5	441.6	399.3	350.5	304.2	152.9
10°	1027.2	1022.3	1000.3	933.6	875.1	781.6	693.7	601.0	509.9	420.5	163.5
12.5°	1586.7	1553.4	1513.5	1424.9	1309.4	1192.3	1019.0	858.8	713.2	563.6	164.3
15°	2052.7	2031.6	1975.5	1860.0	1720.9	1551.7	1346.0	1130.5	910.9	699.4	156.2
17.5°	2427.6	2395.1	2322.7	2209.7	2049.5	1829.9	1589.2	1326.5	1058.9	796.2	142.3
20°	2640.7	2623.6	2568.3	2455.3	2280.4	2040.5	1766.4	1460.7	1151.6	847.4	124.4
22.5°	2748.1	2735.9	2695.2	2604.9	2441.5	2199.9	1886.0	1530.6	1178.4	841.7	105.7
25°	2763.5	2760.3	2725.3	2657.0	2520.4	2281.3	1938.1	1543.6	1156.5	794.6	87.8
27.5°	2817.2	2805.8	2764.3	2696.0	2558.6	2295.1	1920.2	1498.9	1085.7	711.6	73.2
30°	2880.6	2872.5	2831.0	2760.3	2597.6	2282.1	1856.7	1399.7	972.7	605.1	54.5
32.5°	2875.8	2872.5	2837.5	2762.7	2570.0	2205.6	1743.7	1250.8	819.0	477.4	34.2
35°	2839.2	2827.8	2783.9	2668.4	2412.2	2008.8	1529.0	1049.1	648.2	356.2	22.0
37.5°	2751.3	2726.9	2652.9	2456.9	2130.0	1705.5	1245.1	810.0	458.7	238.3	13.8
40°	2519.5	2488.6	2339.8	2103.1	1760.8	1343.5	926.3	557.1	302.5	145.6	5.7
42.5°	2090.1	2027.5	1878.7	1635.5	1314.3	949.9	608.3	361.1	178.1	87.8	1.6
45°	1552.6	1504.6	1348.4	1128.0	861.3	609.1	368.4	195.2	98.4	53.7	0.8
47.5°	904.4	875.1	794.6	649.8	475.8	319.6	188.7	104.9	57.7	26.0	0.8
50°	473.3	436.7	375.7	284.6	209.8	147.2	91.9	56.1	28.5	8.1	0.8
52.5°	165.9	163.5	148.8	112.2	91.1	65.9	44.7	24.4	8.1	1.6	0.8
55°	23.6	23.6	22.0	24.4	26.0	23.6	15.5	6.5	1.6	0.8	0.8
57.5°	1.6	1.6	1.6	2.4	3.3	3.3	2.4	0.8	0.8	0.8	1.6
60°	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
62.5°	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
65°	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4
77.5°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6
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):**

	90°	112.5°	135°	157.5°	180°
0°	95.2	95.2	95.2	95.2	95.2
2.5°	94.3	75.6	60.2	52.9	50.4
5°	88.6	56.9	37.4	29.3	27.7
7.5°	78.9	40.7	22.8	16.3	15.5
10°	69.1	29.3	13.8	9.8	8.9
12.5°	57.7	20.3	8.9	5.7	4.9
15°	48.0	13.8	4.9	4.1	3.3
17.5°	38.2	8.9	3.3	2.4	3.3
20°	30.1	5.7	1.6	1.6	1.6
22.5°	22.8	3.3	1.6	1.6	1.6
25°	16.3	1.6	0.8	0.8	1.6
27.5°	11.4	0.8	0.8	0.8	1.6
30°	6.5	0.8	0.8	0.8	1.6
32.5°	3.3	0.8	0.8	1.6	1.6
35°	1.6	0.8	0.8	1.6	1.6
37.5°	0.8	0.8	0.8	1.6	2.4
40°	0.8	0.8	1.6	2.4	2.4
42.5°	0.8	0.8	1.6	2.4	3.3
45°	0.8	1.6	2.4	3.3	4.1
47.5°	1.6	1.6	3.3	4.1	4.9
50°	1.6	2.4	3.3	4.9	4.9
52.5°	1.6	2.4	4.1	4.9	5.7
55°	1.6	3.3	4.1	5.7	5.7
57.5°	2.4	3.3	4.1	5.7	5.7
60°	2.4	3.3	4.1	5.7	5.7
62.5°	2.4	3.3	4.1	5.7	5.7
65°	2.4	3.3	4.1	5.7	5.7
67.5°	2.4	3.3	4.1	4.9	5.7
70°	2.4	3.3	4.1	4.9	4.9
72.5°	3.3	3.3	4.1	4.9	4.9
75°	2.4	3.3	3.3	4.1	4.1
77.5°	2.4	2.4	2.4	3.3	3.3
80°	2.4	2.4	2.4	2.4	2.4
82.5°	2.4	1.6	1.6	2.4	2.4
85°	2.4	1.6	0.8	1.6	1.6
87.5°	1.6	1.6	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)