

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: P1307954

Luminaire Tested: LDSQA3D09R309027DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307954  
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: LDSQA3D09R309027DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

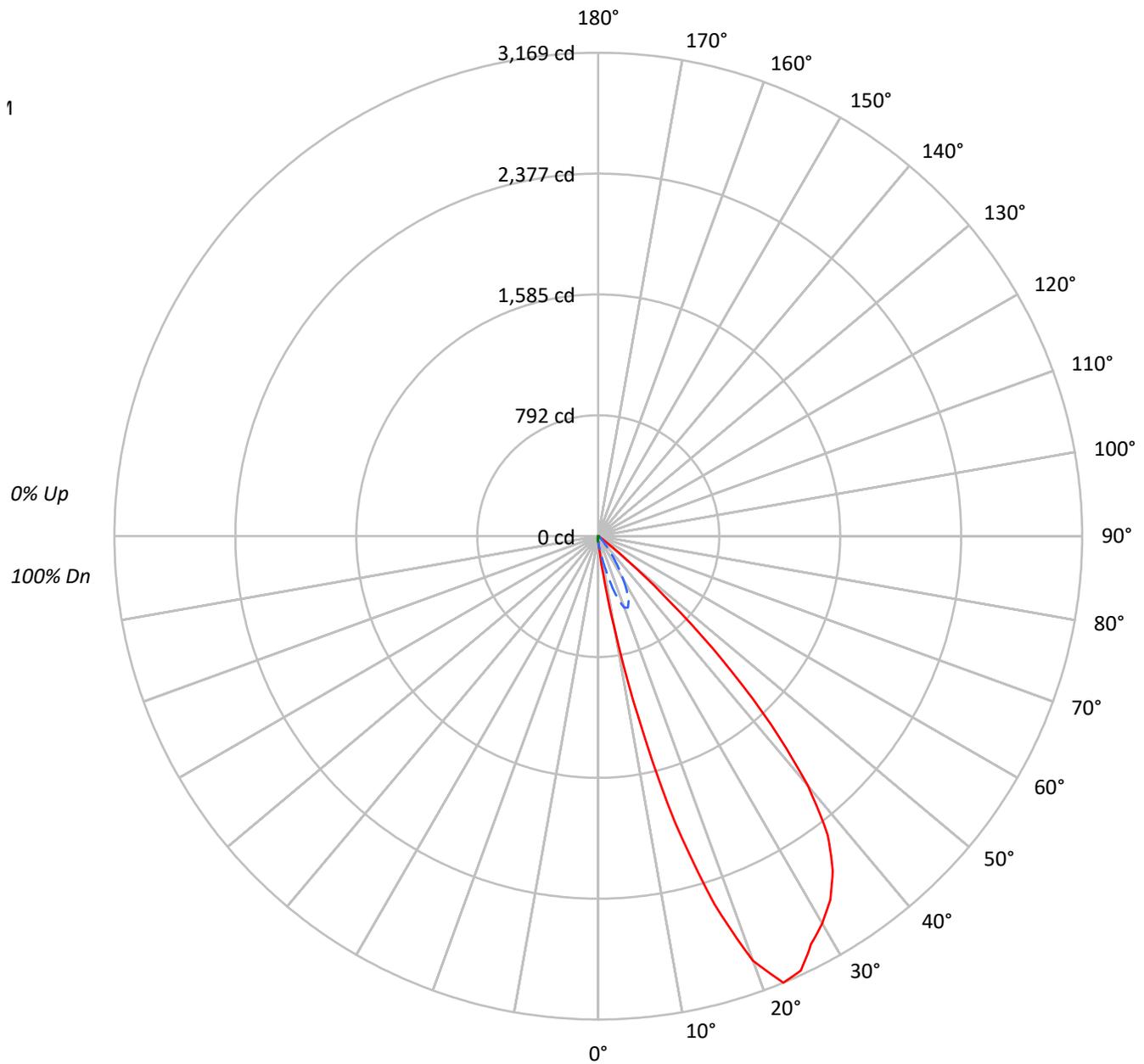
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 747.0 lumens  
Efficiency: N/A  
Efficacy: 67.3 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): 11.1  
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



— 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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83				83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75				75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68				68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61				61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55				55
7	76	65	58	53	74	64	57	53	63	57	52	61	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	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41				41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37				37

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

	0°	45°	90°	135°	180°
0°	6114	6114	6114	6114	6114
5°	18412	12275	5774	2593	2126
10°	106607	26022	4529	1189	839
15°	346736	59034	3156	250	125
20°	542569	91326	1998	0	0
25°	596931	89237	1045	0	0
30°	583014	64333	398	0	0
35°	562700	36604	147	0	0
40°	479857	15490	0	0	0
45°	281628	5821	170	0	170
50°	68403	1099	188	188	536
55°	5945	0	420	601	811
60°	241	0	482	689	1171
65°	285	285	815	815	1386
70°	352	352	1007	1007	1360
75°	0	466	1331	1331	1331
80°	0	694	1984	1389	1389
85°	0	1383	3952	1383	1383

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 281628 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.5	0.9
10°-20°	102.7	13.7
20°-30°	260.9	34.9
30°-40°	260.0	34.8
40°-50°	105.4	14.1
50°-60°	7.3	1.0
60°-70°	1.6	0.2
70°-80°	1.6	0.2
80°-90°	1.0	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°	370.1	49.5
0°-40°	630.1	84.4
0°-60°	742.8	99.4
0°-90°	747.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	747.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	36	36	36	36	36	
5°	106	71	33	15	12	25
15°	1945	331	18	1	1	566
25°	3141	470	6	0	0	1418
35°	2676	174	1	0	0	1641
45°	1156	24	1	0	1	882
55°	20	0	1	2	3	52
65°	1	1	2	2	3	1
75°	0	1	2	2	2	0
85°	0	1	2	1	1	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°	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
2.5°	58.7	59.4	59.4	58.0	57.3	57.3	55.3	54.6	52.6	50.5	43.7
5°	106.5	104.4	101.7	101.7	95.6	92.1	87.4	81.9	77.8	71.0	50.5
7.5°	241.6	225.3	220.5	214.3	191.1	172.7	151.5	133.1	116.0	101.7	56.0
10°	609.6	577.5	550.8	496.9	429.3	364.5	304.4	234.8	187.0	148.8	60.1
12.5°	1228.0	1185.0	1133.8	1035.5	909.2	747.4	604.1	451.2	316.7	219.1	61.4
15°	1944.7	1871.7	1791.8	1666.9	1460.1	1228.0	969.3	725.6	508.5	331.1	60.1
17.5°	2529.0	2500.3	2382.2	2211.6	1958.3	1659.4	1340.6	1007.5	686.0	433.4	56.0
20°	2960.4	2940.6	2797.9	2616.4	2331.0	1988.4	1583.6	1183.6	809.5	498.3	49.8
22.5°	3168.6	3165.2	3062.1	2876.4	2574.0	2185.6	1739.9	1285.3	847.8	507.2	41.6
25°	3141.3	3153.6	3094.8	2957.0	2666.9	2266.9	1786.3	1285.3	819.8	469.6	34.8
27.5°	3017.0	3025.2	2988.4	2882.6	2612.3	2208.2	1721.5	1202.7	738.6	403.4	28.7
30°	2931.7	2935.1	2889.4	2776.1	2489.4	2074.4	1568.6	1049.8	615.7	323.5	21.2
32.5°	2828.0	2827.3	2774.0	2644.3	2328.3	1886.7	1374.7	867.6	473.0	245.7	12.3
35°	2676.4	2659.4	2587.0	2437.5	2088.0	1634.1	1127.0	660.7	340.6	174.1	7.5
37.5°	2468.2	2423.9	2321.5	2121.5	1750.8	1281.2	835.5	464.2	232.8	115.4	4.8
40°	2134.4	2087.4	1948.1	1705.1	1324.2	922.2	563.1	302.4	146.8	68.9	2.7
42.5°	1673.7	1641.6	1453.9	1211.6	874.4	588.4	338.6	178.8	82.6	39.6	0.7
45°	1156.3	1114.7	967.2	761.8	524.9	326.3	189.8	93.5	47.1	23.9	0.0
47.5°	638.2	587.0	501.7	394.5	264.2	171.3	95.6	50.5	26.6	11.6	0.0
50°	255.3	253.2	201.4	143.3	101.0	77.8	47.8	27.3	13.7	4.1	0.7
52.5°	89.4	89.4	77.1	62.8	49.1	35.5	23.9	13.0	4.8	1.4	0.7
55°	19.8	21.8	20.5	19.1	18.4	15.7	10.2	4.8	1.4	0.0	0.7
57.5°	2.0	2.0	2.0	2.7	3.4	3.4	2.7	1.4	0.0	0.0	0.7
60°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.4
62.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7	1.4
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
75°	0.0	0.0	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	2.0
77.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4
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°	35.5	35.5	35.5	35.5	35.5
2.5°	35.5	28.0	23.2	20.5	19.8
5°	33.4	21.2	15.0	13.0	12.3
7.5°	30.0	15.7	10.2	8.2	7.5
10°	25.9	11.6	6.8	4.8	4.8
12.5°	21.8	8.9	4.1	2.0	1.4
15°	17.7	5.5	1.4	0.7	0.7
17.5°	13.7	3.4	0.0	0.0	0.0
20°	10.9	1.4	0.0	0.0	0.0
22.5°	8.2	0.7	0.0	0.0	0.0
25°	5.5	0.0	0.0	0.0	0.0
27.5°	3.4	0.0	0.0	0.0	0.0
30°	2.0	0.0	0.0	0.0	0.0
32.5°	0.7	0.0	0.0	0.0	0.0
35°	0.7	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°	0.7	0.0	0.0	0.7	0.7
47.5°	0.7	0.7	0.7	1.4	1.4
50°	0.7	0.7	0.7	1.4	2.0
52.5°	1.4	0.7	1.4	2.0	2.0
55°	1.4	1.4	2.0	2.7	2.7
57.5°	1.4	1.4	2.0	2.7	2.7
60°	1.4	1.4	2.0	2.7	3.4
62.5°	2.0	2.0	2.0	2.7	2.7
65°	2.0	2.0	2.0	2.7	3.4
67.5°	2.0	2.0	2.0	2.7	3.4
70°	2.0	2.0	2.0	2.7	2.7
72.5°	2.7	2.0	2.0	2.7	2.7
75°	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	1.4	2.0	2.0
80°	2.0	1.4	1.4	1.4	1.4
82.5°	2.0	1.4	1.4	1.4	1.4
85°	2.0	1.4	0.7	0.7	0.7
87.5°	2.0	1.4	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)