

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: P1314492

Luminaire Tested: LDSQA3D09R359730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314492  
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: LDSQA3D09R359730DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

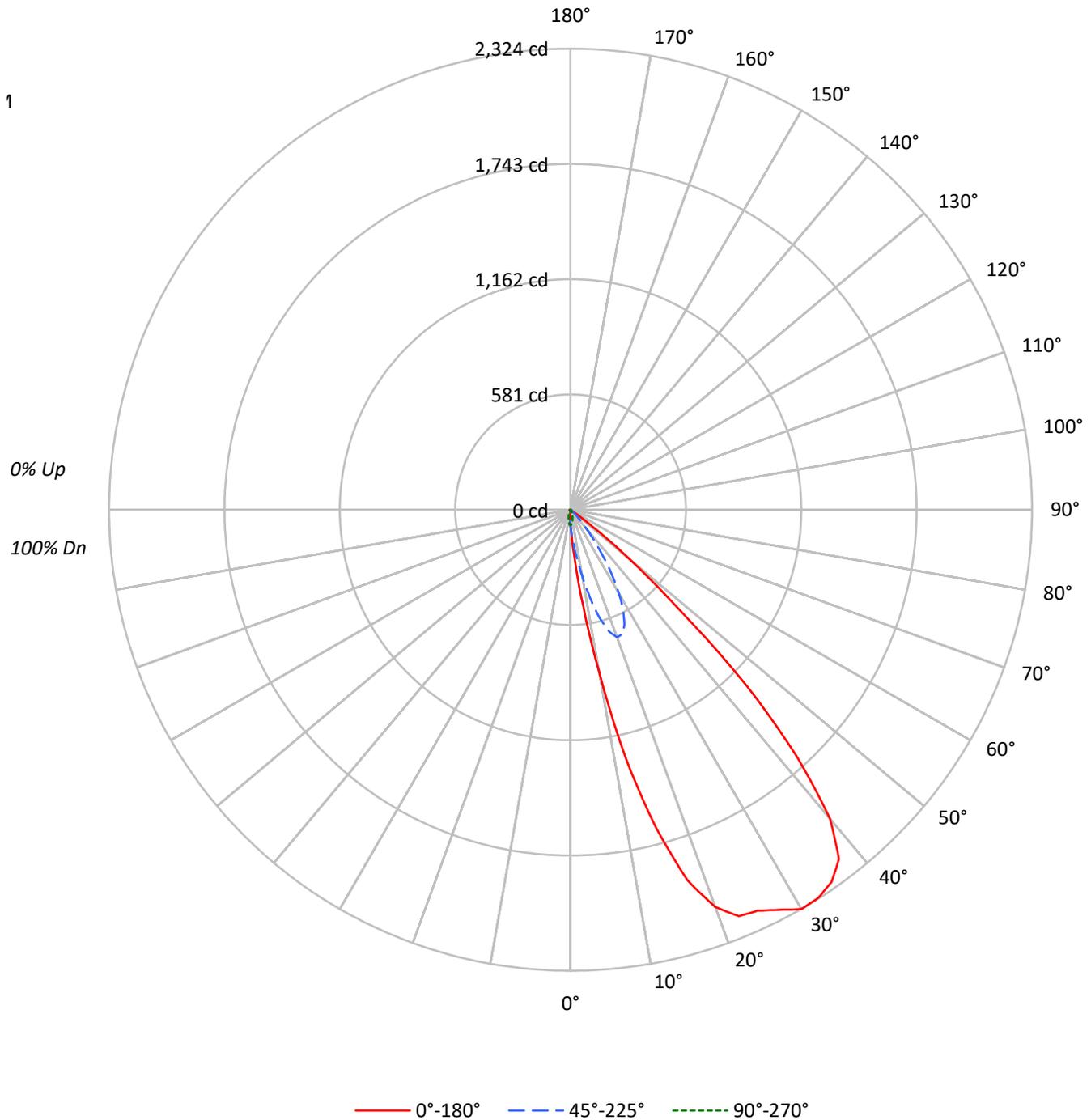
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 731.1 lumens  
Efficiency: N/A  
Efficacy: 65.9 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): 11.1  
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	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	50	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°	13227	13227	13227	13227	13227
5°	45035	29269	12361	5221	3855
10°	144940	59337	9758	1959	1259
15°	295297	100614	6900	695	464
20°	390505	125324	4454	238	238
25°	423702	121826	2489	133	247
30°	462203	97086	1034	139	259
35°	481629	60424	273	147	273
40°	457038	26416	157	292	450
45°	305107	10546	170	487	804
50°	102323	1768	348	697	1045
55°	5705	210	390	991	1381
60°	448	241	689	1137	1584
65°	530	285	815	1345	1875
70°	352	352	1007	1662	1964
75°	466	466	1331	1730	2196
80°	0	694	1984	1984	1984
85°	0	1383	3952	1383	2569

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 305107 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.3	1.8
10°-20°	105.0	14.4
20°-30°	221.6	30.3
30°-40°	251.4	34.4
40°-50°	123.7	16.9
50°-60°	10.7	1.5
60°-70°	2.2	0.3
70°-80°	2.0	0.3
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°	339.9	46.5
0°-40°	591.3	80.9
0°-60°	725.8	99.3
0°-90°	731.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	731.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	77	77	77	77	77	
5°	260	169	72	30	22	43
15°	1656	564	39	4	3	471
25°	2230	641	13	1	1	1038
35°	2291	287	1	1	1	1412
45°	1253	43	1	2	3	926
55°	19	1	1	3	5	75
65°	1	1	2	3	5	1
75°	1	1	2	3	3	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°	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
2.5°	133.2	136.5	135.2	134.5	133.9	131.2	125.3	124.7	118.8	114.8	95.1
5°	260.5	255.3	256.6	249.4	240.2	227.0	218.5	200.1	185.0	169.3	110.9
7.5°	490.8	483.6	469.8	448.8	427.2	399.0	356.3	322.2	282.8	245.4	123.4
10°	828.8	824.8	807.1	753.3	706.1	630.6	559.7	484.9	411.4	339.3	131.9
12.5°	1280.2	1253.3	1221.2	1149.6	1056.5	962.0	822.2	692.9	575.5	454.7	132.6
15°	1656.2	1639.2	1593.9	1500.7	1388.5	1252.0	1086.0	912.1	734.9	564.3	126.0
17.5°	1958.7	1932.5	1874.1	1782.9	1653.6	1476.4	1282.2	1070.2	854.4	642.4	114.8
20°	2130.7	2116.9	2072.3	1981.0	1840.0	1646.4	1425.2	1178.5	929.2	683.8	100.4
22.5°	2217.3	2207.4	2174.6	2101.8	1969.9	1775.0	1521.7	1235.0	950.8	679.2	85.3
25°	2229.7	2227.1	2198.9	2143.8	2033.5	1840.6	1563.7	1245.5	933.1	641.1	70.9
27.5°	2273.0	2263.9	2230.4	2175.3	2064.4	1851.8	1549.3	1209.4	876.0	574.2	59.1
30°	2324.2	2317.7	2284.2	2227.1	2095.9	1841.3	1498.1	1129.3	784.8	488.2	44.0
32.5°	2320.3	2317.7	2289.5	2229.1	2073.6	1779.6	1406.9	1009.2	660.8	385.2	27.6
35°	2290.8	2281.6	2246.1	2153.0	1946.3	1620.8	1233.6	846.5	523.0	287.4	17.7
37.5°	2219.9	2200.2	2140.5	1982.4	1718.6	1376.0	1004.6	653.6	370.1	192.3	11.2
40°	2032.9	2007.9	1887.9	1696.9	1420.7	1084.0	747.4	449.5	244.1	117.5	4.6
42.5°	1686.4	1635.9	1515.8	1319.6	1060.4	766.4	490.8	291.3	143.7	70.9	1.3
45°	1252.7	1214.0	1088.0	910.1	694.9	491.5	297.3	157.5	79.4	43.3	0.7
47.5°	729.7	706.1	641.1	524.3	383.9	257.9	152.2	84.6	46.6	21.0	0.7
50°	381.9	352.4	303.2	229.7	169.3	118.8	74.1	45.3	23.0	6.6	0.7
52.5°	133.9	131.9	120.1	90.6	73.5	53.2	36.1	19.7	6.6	1.3	0.7
55°	19.0	19.0	17.7	19.7	21.0	19.0	12.5	5.2	1.3	0.7	0.7
57.5°	1.3	1.3	1.3	2.0	2.6	2.6	2.0	0.7	0.7	0.7	1.3
60°	1.3	1.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3
62.5°	1.3	1.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3
65°	1.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3
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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
77.5°	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.3
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°	76.8	76.8	76.8	76.8	76.8
2.5°	76.1	61.0	48.6	42.7	40.7
5°	71.5	45.9	30.2	23.6	22.3
7.5°	63.7	32.8	18.4	13.1	12.5
10°	55.8	23.6	11.2	7.9	7.2
12.5°	46.6	16.4	7.2	4.6	3.9
15°	38.7	11.2	3.9	3.3	2.6
17.5°	30.8	7.2	2.6	2.0	2.6
20°	24.3	4.6	1.3	1.3	1.3
22.5°	18.4	2.6	1.3	1.3	1.3
25°	13.1	1.3	0.7	0.7	1.3
27.5°	9.2	0.7	0.7	0.7	1.3
30°	5.2	0.7	0.7	0.7	1.3
32.5°	2.6	0.7	0.7	1.3	1.3
35°	1.3	0.7	0.7	1.3	1.3
37.5°	0.7	0.7	0.7	1.3	2.0
40°	0.7	0.7	1.3	2.0	2.0
42.5°	0.7	0.7	1.3	2.0	2.6
45°	0.7	1.3	2.0	2.6	3.3
47.5°	1.3	1.3	2.6	3.3	3.9
50°	1.3	2.0	2.6	3.9	3.9
52.5°	1.3	2.0	3.3	3.9	4.6
55°	1.3	2.6	3.3	4.6	4.6
57.5°	2.0	2.6	3.3	4.6	4.6
60°	2.0	2.6	3.3	4.6	4.6
62.5°	2.0	2.6	3.3	4.6	4.6
65°	2.0	2.6	3.3	4.6	4.6
67.5°	2.0	2.6	3.3	3.9	4.6
70°	2.0	2.6	3.3	3.9	3.9
72.5°	2.6	2.6	3.3	3.9	3.9
75°	2.0	2.6	2.6	3.3	3.3
77.5°	2.0	2.0	2.0	2.6	2.6
80°	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	1.3	1.3	2.0	2.0
85°	2.0	1.3	0.7	1.3	1.3
87.5°	1.3	1.3	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)