

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: P1310258

Luminaire Tested: LDSQA3D09R609035DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310258  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R609035DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

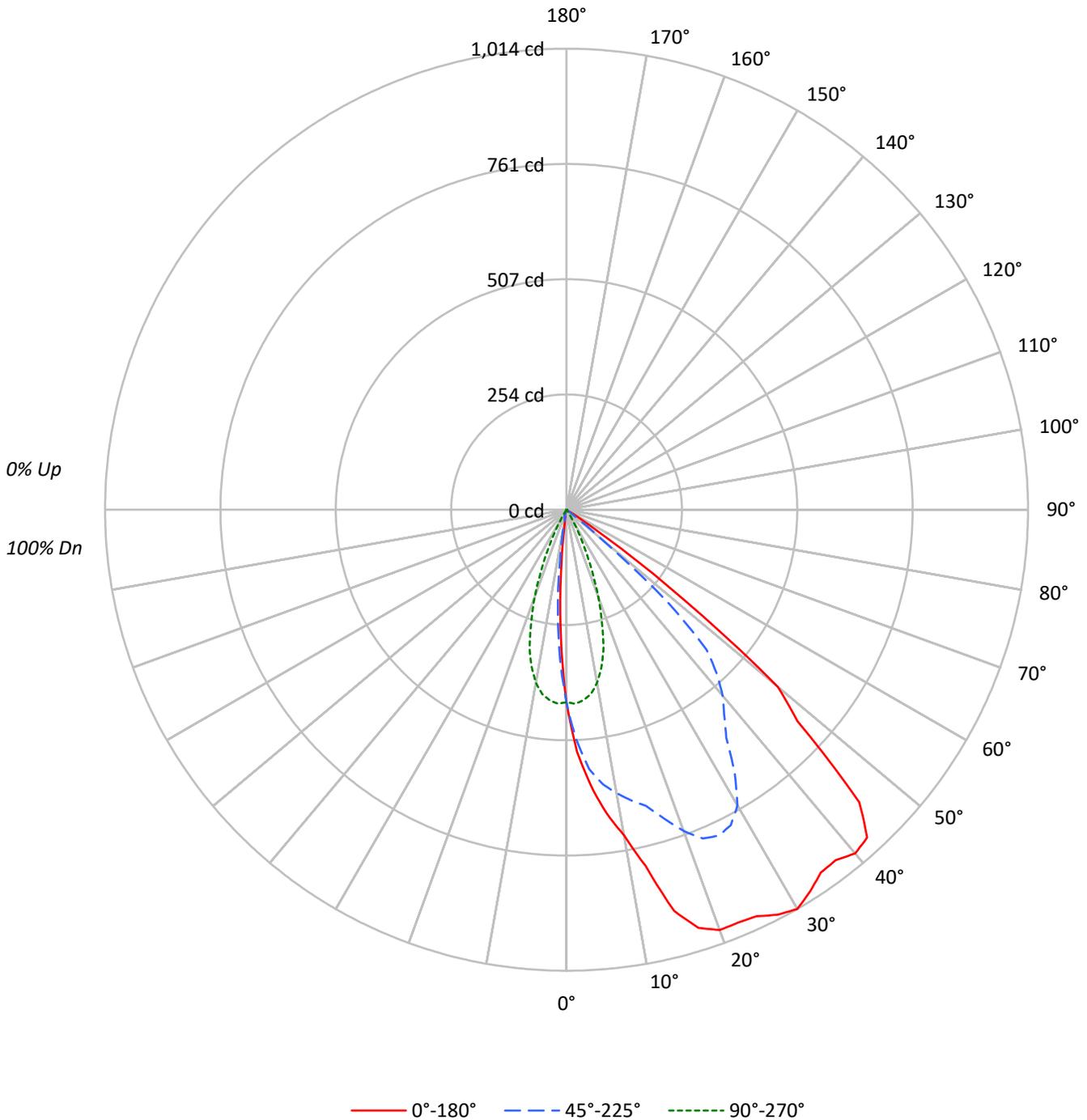
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 688.1 lumens  
Efficiency: N/A  
Efficacy: 62.0 lumens/watt  
Spacing Criteria (0/90/45): 1.74 / 0.65 / 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 (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				
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	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66	71	68	66
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	60	62	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54	56	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49	51	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	46	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40	42	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37	39	39	37

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

	0°	45°	90°	135°	180°
0°	72902	72902	72902	72902	72902
5°	105077	98957	72783	37498	24082
10°	127102	110646	67573	4477	2641
15°	162893	120191	56003	2960	2425
20°	180288	137768	37553	1649	275
25°	187499	150292	18471	152	0
30°	201610	149328	5091	0	0
35°	204758	128586	0	0	0
40°	221831	119897	0	0	0
45°	221615	105851	0	0	0
50°	162259	25641	0	0	0
55°	31648	0	0	0	0
60°	0	0	0	0	0
65°	0	326	326	0	0
70°	0	403	403	0	0
75°	0	532	532	0	0
80°	0	793	793	793	0
85°	0	1581	1581	1581	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 221980 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.3	5.3
10°-20°	103.5	15.0
20°-30°	165.0	24.0
30°-40°	190.7	27.7
40°-50°	151.5	22.0
50°-60°	39.9	5.8
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.5	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°	304.9	44.3
0°-40°	495.5	72.0
0°-60°	686.9	99.8
0°-90°	688.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	688.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	423	423	423	423	423	
5°	608	572	421	217	139	61
15°	914	674	314	17	14	255
25°	987	791	97	1	0	460
35°	974	612	0	0	0	619
45°	910	435	0	0	0	648
55°	105	0	0	0	0	159
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	423.3	423.3	423.3	423.3	423.3	423.3	423.3	423.3	423.3	423.3	423.3
2.5°	532.5	537.8	535.5	533.3	528.0	525.7	525.7	519.7	509.9	508.4	501.6
5°	607.8	609.3	609.3	607.8	604.1	598.0	596.5	590.5	581.5	572.4	563.4
7.5°	673.4	672.6	668.1	665.1	658.3	650.0	642.5	634.2	620.6	608.6	595.8
10°	726.8	729.1	725.3	717.8	708.8	697.5	685.4	671.1	650.8	632.7	616.1
12.5°	802.2	801.4	791.6	778.8	757.0	735.9	717.1	701.2	676.4	654.5	634.2
15°	913.6	912.1	903.1	891.8	860.2	828.5	796.1	751.7	710.3	674.1	645.5
17.5°	964.1	967.1	959.6	953.6	935.5	914.4	885.8	841.3	777.3	711.8	651.5
20°	983.7	987.5	982.2	981.4	973.1	963.3	940.0	891.8	829.3	751.7	677.1
22.5°	982.9	985.9	983.7	993.5	1003.3	998.0	969.4	921.2	857.1	782.6	698.2
25°	986.7	984.4	976.2	990.5	1004.8	1000.3	985.9	944.5	874.5	790.9	705.8
27.5°	1004.0	987.5	970.9	989.0	995.7	997.2	989.0	940.0	871.5	781.8	690.7
30°	1013.8	995.7	982.2	997.2	997.2	1005.5	988.2	932.5	845.8	750.9	650.8
32.5°	995.7	992.0	1004.0	1019.1	1022.9	1022.9	984.4	907.6	802.9	687.7	586.7
35°	973.9	982.9	1017.6	1024.4	1024.4	1007.8	961.1	863.9	738.9	611.6	539.3
37.5°	971.6	985.9	1024.4	1016.1	1002.5	971.6	903.8	787.9	647.8	568.7	503.9
40°	986.7	1000.3	1022.9	992.7	960.3	912.1	830.8	688.4	592.8	533.3	461.0
42.5°	977.7	990.5	991.2	946.8	900.8	835.3	727.6	607.8	552.9	488.1	412.0
45°	909.9	911.4	908.4	860.9	813.5	745.7	631.2	567.9	509.2	434.6	302.8
47.5°	687.7	684.7	696.0	682.4	684.7	644.0	573.2	521.2	451.2	305.0	91.9
50°	605.6	601.8	590.5	578.5	566.4	546.8	513.7	457.9	325.4	95.7	3.0
52.5°	324.6	342.7	378.1	432.3	452.7	451.2	426.3	338.9	102.4	0.8	0.0
55°	105.4	103.9	116.0	137.1	188.3	216.9	226.0	115.2	2.3	0.0	0.0
57.5°	0.0	0.0	0.0	2.3	7.5	19.6	25.6	1.5	0.0	0.8	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
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):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	423.3	423.3	423.3	423.3	423.3	423.3	423.3	423.3
2.5°	492.6	482.1	470.0	427.1	376.6	327.6	292.2	283.2
5°	549.1	531.0	505.4	421.0	311.1	216.9	155.2	139.3
7.5°	578.5	562.6	535.5	409.0	241.0	107.0	39.9	27.1
10°	596.5	577.7	547.6	386.4	157.4	25.6	14.3	15.1
12.5°	609.3	587.5	553.6	354.0	79.8	12.8	18.1	18.8
15°	614.6	591.3	552.9	314.1	28.6	16.6	15.8	13.6
17.5°	611.6	582.2	543.1	256.8	9.8	15.8	8.3	6.8
20°	607.8	574.7	527.2	204.9	8.3	9.0	3.0	1.5
22.5°	619.9	561.9	505.4	146.9	8.3	3.0	0.0	0.0
25°	621.4	556.6	477.5	97.2	3.8	0.8	0.0	0.0
27.5°	606.3	525.7	434.6	57.2	0.0	0.0	0.0	0.0
30°	558.1	487.3	388.7	25.6	0.0	0.0	0.0	0.0
32.5°	510.7	444.4	337.4	6.0	0.0	0.0	0.0	0.0
35°	473.0	400.0	280.9	0.0	0.0	0.0	0.0	0.0
37.5°	426.3	347.2	209.4	0.0	0.0	0.0	0.0	0.0
40°	377.4	280.2	104.7	0.0	0.0	0.0	0.0	0.0
42.5°	294.5	133.3	10.5	0.0	0.0	0.0	0.0	0.0
45°	113.0	12.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
65°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
67.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
70°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
72.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
75°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
77.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
82.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)