

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: P1308024

Luminaire Tested: LDSQA3D09R609027DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308024  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R609027DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

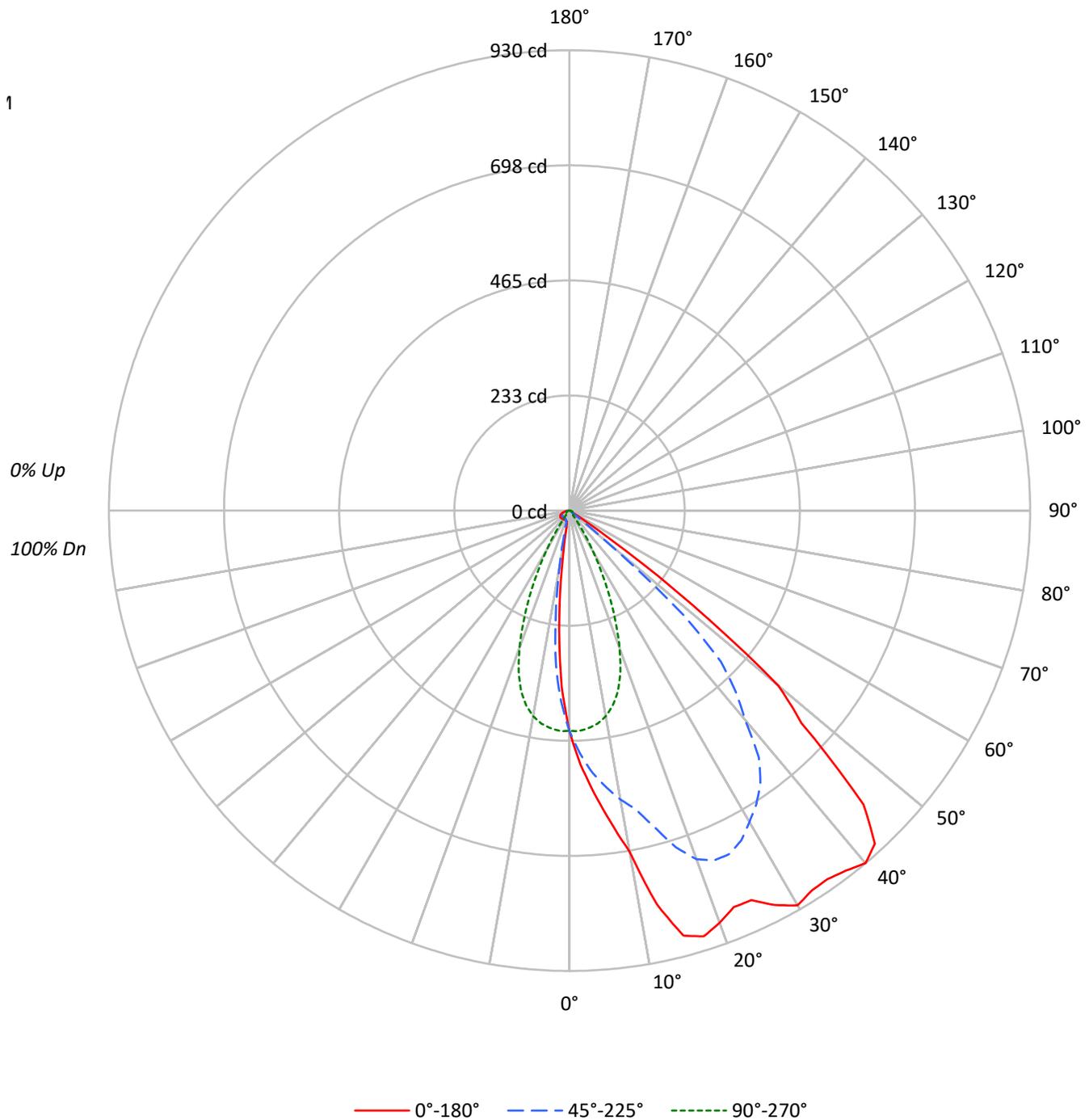
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 723.0 lumens  
Efficiency: N/A  
Efficacy: 65.1 lumens/watt  
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26  
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

TEST NUMBER: P1308024  
CATALOG NUMBER: LDSQA3D09R609027DE010 3LSQCA30R 1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1308024

CATALOG NUMBER: LDSQA3D09R609027DE010 3LSQCA30R 1MW

**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	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

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

	0°	45°	90°	135°	180°
0°	76656	76656	76656	76656	76656
5°	99009	91921	76240	54284	41422
10°	122363	103616	73764	20531	6086
15°	158453	117926	67307	4511	4012
20°	162382	137365	54176	3757	3885
25°	165000	145408	36314	3630	3896
30°	183115	144436	18733	3659	4077
35°	191008	141222	5172	3869	4457
40°	209016	123854	2451	4137	4901
45°	204493	105242	2484	4481	5480
50°	147416	25963	2733	4930	6028
55°	28285	1651	2883	5315	6756
60°	1412	1653	2824	5649	7302
65°	1386	1671	2771	5827	7784
70°	1360	1712	2769	5841	7906
75°	1331	1797	2728	5922	8185
80°	694	1984	2678	6050	8133
85°	1383	1383	2766	5335	8102

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 204493 cd/sqm



TEST NUMBER: P1308024

CATALOG NUMBER: LDSQA3D09R609027DE010 3LSQCA30R 1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.7	5.4
10°-20°	106.9	14.8
20°-30°	164.5	22.7
30°-40°	193.0	26.7
40°-50°	154.7	21.4
50°-60°	48.1	6.6
60°-70°	9.1	1.3
70°-80°	6.0	0.8
80°-90°	2.1	0.3
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°	310.0	42.9
0°-40°	503.0	69.6
0°-60°	705.8	97.6
0°-90°	723.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	723.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	445	445	445	445	445	
5°	573	532	441	314	240	58
15°	889	661	378	25	22	243
25°	868	765	191	19	20	410
35°	908	672	25	18	21	575
45°	840	432	10	18	22	601
55°	94	6	10	18	22	149
65°	3	4	7	14	19	3
75°	2	3	4	9	12	2
85°	1	1	1	3	4	0
90°	0	0	0	0	0	



TEST NUMBER: P1308024

CATALOG NUMBER: LDSQA3D09R609027DE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	445.1	445.1	445.1	445.1	445.1	445.1	445.1	445.1	445.1	445.1	445.1
2.5°	513.3	507.9	507.9	505.8	503.8	504.4	499.0	501.0	495.6	491.5	488.1
5°	572.7	565.9	565.2	561.8	558.4	555.6	548.8	544.7	536.5	531.7	521.5
7.5°	634.1	628.7	625.3	621.2	615.0	608.2	596.6	589.1	576.1	563.1	550.2
10°	699.7	694.9	687.4	682.6	665.5	654.6	638.9	628.7	609.6	592.5	572.7
12.5°	814.3	811.6	797.3	787.7	763.1	741.3	707.2	679.9	645.7	617.8	591.1
15°	888.7	885.3	877.8	869.0	853.3	828.7	798.0	759.7	712.0	661.4	616.4
17.5°	901.7	902.4	897.6	895.6	885.3	869.6	845.1	816.4	768.6	712.6	651.2
20°	886.0	891.5	890.1	894.2	896.3	890.1	873.7	845.7	804.1	749.5	680.6
22.5°	866.9	871.7	870.3	877.8	889.4	895.6	890.1	867.6	825.3	764.5	696.9
25°	868.3	871.7	861.4	866.2	881.2	896.3	896.9	877.1	831.4	765.2	695.6
27.5°	898.3	888.1	864.9	862.8	881.2	900.4	901.7	877.1	822.5	750.9	681.9
30°	920.8	913.3	887.4	884.0	901.7	914.7	907.9	869.6	801.4	726.3	662.1
32.5°	909.9	911.3	900.4	911.3	934.5	939.9	911.3	851.9	772.0	702.4	638.9
35°	908.5	914.0	920.1	937.2	952.9	939.9	894.2	818.4	740.6	671.7	602.7
37.5°	916.7	925.6	934.5	949.5	949.5	916.1	849.2	776.1	703.1	628.0	527.7
40°	929.7	935.2	937.9	936.5	918.1	869.0	798.0	724.9	655.3	550.9	477.8
42.5°	912.6	912.0	909.2	897.6	863.5	799.3	733.1	673.7	563.8	496.9	413.7
45°	839.6	839.6	832.1	813.7	782.3	729.0	670.3	583.6	514.0	432.1	307.2
47.5°	635.5	630.7	638.9	649.8	649.8	645.1	591.8	516.7	445.7	311.9	98.3
50°	550.2	542.7	532.4	534.5	533.1	538.6	504.4	447.8	329.7	96.9	6.8
52.5°	311.3	324.9	358.4	405.5	426.6	434.1	413.0	340.6	111.3	6.1	5.5
55°	94.2	96.9	109.9	135.2	183.6	234.8	238.2	110.6	7.5	5.5	5.5
57.5°	4.1	4.1	5.5	8.2	19.1	28.7	30.7	6.8	4.8	5.5	5.5
60°	4.1	4.1	4.1	4.1	4.1	4.1	4.8	4.8	4.8	4.8	5.5
62.5°	3.4	3.4	4.1	4.1	4.1	4.1	4.1	4.1	4.8	4.8	4.8
65°	3.4	3.4	3.4	3.4	3.4	3.4	4.1	4.1	4.1	4.1	4.8
67.5°	2.7	2.7	2.7	3.4	3.4	3.4	3.4	3.4	4.1	4.1	4.1
70°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.4	3.4	3.4	3.4
72.5°	2.0	2.0	2.0	2.0	2.0	2.7	2.7	2.7	2.7	2.7	3.4
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.7	2.7	2.7	2.7
77.5°	1.4	1.4	1.4	1.4	1.4	2.0	2.0	2.0	2.0	2.0	2.0
80°	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.0	2.0
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
87.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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: P1308024

CATALOG NUMBER: LDSQA3D09R609027DE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	445.1	445.1	445.1	445.1	445.1	445.1	445.1	445.1
2.5°	483.3	477.8	471.7	445.7	420.5	386.4	363.1	356.3
5°	512.6	503.8	490.1	441.0	381.6	314.0	259.4	239.6
7.5°	537.2	523.6	504.4	434.1	335.2	213.0	137.2	116.0
10°	555.0	537.9	513.3	421.8	273.7	117.4	46.4	34.8
12.5°	570.0	547.4	518.1	403.4	199.3	47.8	23.9	23.9
15°	580.2	552.9	520.1	377.5	129.0	25.3	22.5	22.5
17.5°	594.5	559.1	520.1	341.3	70.3	21.8	21.8	21.8
20°	617.8	565.2	512.6	295.6	38.9	20.5	21.2	21.2
22.5°	630.0	574.1	503.1	242.3	24.6	19.8	20.5	20.5
25°	632.8	572.7	482.6	191.1	19.8	19.1	19.8	20.5
27.5°	623.2	563.1	455.3	139.3	17.7	18.4	19.8	20.5
30°	606.2	539.9	411.6	94.2	16.4	18.4	19.8	20.5
32.5°	574.1	484.0	360.4	56.7	15.7	18.4	19.8	21.2
35°	502.4	425.3	301.7	24.6	15.0	18.4	20.5	21.2
37.5°	450.5	366.6	233.4	12.3	15.0	18.4	20.5	21.8
40°	393.2	294.9	107.9	10.9	15.0	18.4	20.5	21.8
42.5°	299.7	136.5	13.0	10.9	14.3	18.4	21.2	21.8
45°	109.2	14.3	6.8	10.2	14.3	18.4	21.2	22.5
47.5°	8.2	5.5	6.1	10.2	14.3	18.4	21.2	22.5
50°	5.5	5.5	6.1	10.2	14.3	18.4	21.2	22.5
52.5°	5.5	6.1	6.1	9.6	13.7	18.4	21.2	22.5
55°	5.5	6.1	6.1	9.6	13.7	17.7	21.2	22.5
57.5°	5.5	5.5	6.1	8.9	13.0	17.1	21.2	21.8
60°	5.5	5.5	6.1	8.2	12.3	16.4	19.8	21.2
62.5°	5.5	5.5	5.5	7.5	11.6	15.7	19.1	20.5
65°	4.8	4.8	5.5	6.8	10.2	14.3	17.7	19.1
67.5°	4.1	4.8	4.8	6.1	9.6	13.0	16.4	17.7
70°	4.1	4.1	4.1	5.5	8.2	11.6	15.0	15.7
72.5°	3.4	3.4	4.1	4.8	7.5	10.2	13.7	14.3
75°	2.7	3.4	3.4	4.1	6.1	8.9	11.6	12.3
77.5°	2.7	2.7	2.7	3.4	5.5	7.5	9.6	10.2
80°	2.0	2.0	2.0	2.7	4.1	6.1	7.5	8.2
82.5°	1.4	2.0	2.0	2.0	3.4	4.1	5.5	6.1
85°	1.4	1.4	1.4	1.4	2.0	2.7	3.4	4.1
87.5°	0.7	0.7	1.4	1.4	1.4	1.4	1.4	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)