

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: P1308985

Luminaire Tested: LDSQA3D05R609030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308985  
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: LDSQA3D05R609030DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

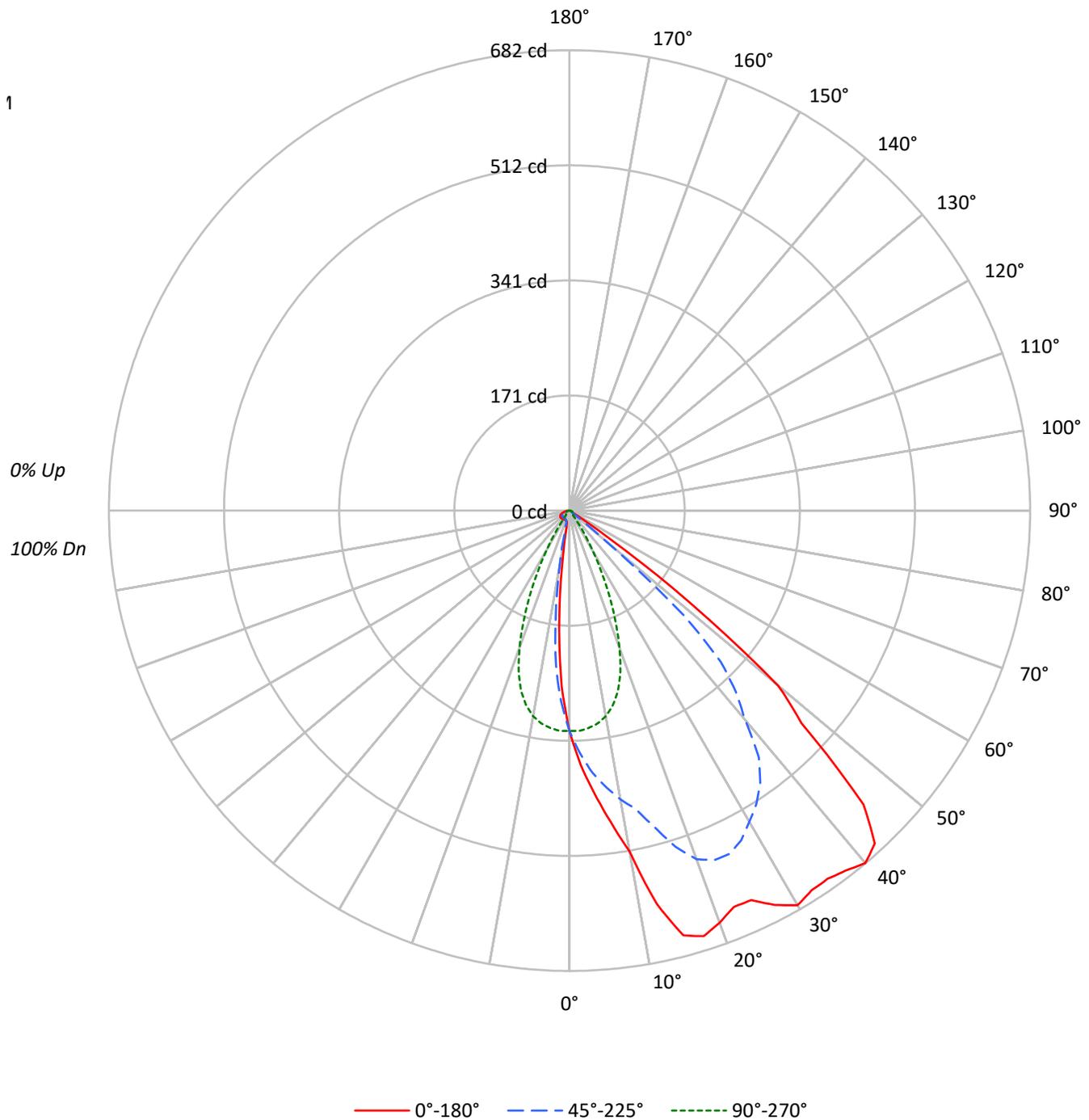
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 530.0 lumens  
Efficiency: N/A  
Efficacy: 73.6 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): 7.2  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90	90	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81	81	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72	72	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65	65	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58	58	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52	52	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47	47	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43	43	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39	39	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36	36	36

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

	0°	45°	90°	135°	180°
0°	56196	56196	56196	56196	56196
5°	72575	67389	55875	39797	30358
10°	89696	75950	54073	15057	4459
15°	116161	86457	49335	3299	2942
20°	119037	100692	39716	2749	2841
25°	120952	106586	26623	2660	2850
30°	134234	105876	13742	2685	2983
35°	140023	103525	3784	2838	3259
40°	153215	90783	1799	3035	3597
45°	149911	77135	1827	3288	4019
50°	108057	19050	2009	3617	4421
55°	20748	1201	2102	3903	4954
60°	1033	1206	2067	4133	5339
65°	1019	1223	2038	4279	5705
70°	1007	1259	2014	4280	5791
75°	998	1331	1996	4325	5989
80°	496	1488	1984	4463	5951
85°	988	988	1976	3952	5928

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 149911 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.4	5.4
10°-20°	78.3	14.8
20°-30°	120.6	22.7
30°-40°	141.5	26.7
40°-50°	113.4	21.4
50°-60°	35.2	6.6
60°-70°	6.7	1.3
70°-80°	4.4	0.8
80°-90°	1.5	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°	227.3	42.9
0°-40°	368.7	69.6
0°-60°	517.4	97.6
0°-90°	530.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	530.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	326	326	326	326	326	
5°	420	390	323	230	176	43
15°	652	485	277	18	16	178
25°	636	561	140	14	15	300
35°	666	492	18	14	16	421
45°	616	317	8	14	16	440
55°	69	4	7	13	16	109
65°	2	3	5	10	14	2
75°	2	2	3	6	9	1
85°	0	0	1	2	3	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°	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3
2.5°	376.3	372.3	372.3	370.8	369.3	369.8	365.8	367.3	363.3	360.3	357.8
5°	419.8	414.8	414.3	411.8	409.3	407.3	402.3	399.3	393.3	389.8	382.3
7.5°	464.9	460.9	458.4	455.4	450.8	445.8	437.3	431.8	422.3	412.8	403.3
10°	512.9	509.4	503.9	500.4	487.9	479.9	468.4	460.9	446.8	434.3	419.8
12.5°	597.0	595.0	584.5	577.4	559.4	543.4	518.4	498.4	473.4	452.8	433.3
15°	651.5	649.0	643.5	637.0	625.5	607.5	585.0	556.9	521.9	484.9	451.8
17.5°	661.0	661.5	658.0	656.5	649.0	637.5	619.5	598.5	563.4	522.4	477.4
20°	649.5	653.5	652.5	655.5	657.0	652.5	640.5	620.0	589.5	549.4	498.9
22.5°	635.5	639.0	638.0	643.5	652.0	656.5	652.5	636.0	605.0	560.4	510.9
25°	636.5	639.0	631.5	635.0	646.0	657.0	657.5	643.0	609.5	560.9	509.9
27.5°	658.5	651.0	634.0	632.5	646.0	660.0	661.0	643.0	603.0	550.4	499.9
30°	675.0	669.5	650.5	648.0	661.0	670.5	665.5	637.5	587.5	532.4	485.4
32.5°	667.0	668.0	660.0	668.0	685.0	689.0	668.0	624.5	565.9	514.9	468.4
35°	666.0	670.0	674.5	687.0	698.5	689.0	655.5	600.0	542.9	492.4	441.8
37.5°	672.0	678.5	685.0	696.0	696.0	671.5	622.5	568.9	515.4	460.4	386.8
40°	681.5	685.5	687.5	686.5	673.0	637.0	585.0	531.4	480.4	403.8	350.3
42.5°	669.0	668.5	666.5	658.0	633.0	586.0	537.4	493.9	413.3	364.3	303.2
45°	615.5	615.5	610.0	596.5	573.4	534.4	491.4	427.8	376.8	316.7	225.2
47.5°	465.9	462.4	468.4	476.4	476.4	472.9	433.8	378.8	326.8	228.7	72.1
50°	403.3	397.8	390.3	391.8	390.8	394.8	369.8	328.3	241.7	71.1	5.0
52.5°	228.2	238.2	262.7	297.2	312.7	318.2	302.7	249.7	81.6	4.5	4.0
55°	69.1	71.1	80.6	99.1	134.6	172.1	174.6	81.1	5.5	4.0	4.0
57.5°	3.0	3.0	4.0	6.0	14.0	21.0	22.5	5.0	3.5	4.0	4.0
60°	3.0	3.0	3.0	3.0	3.0	3.0	3.5	3.5	3.5	3.5	4.0
62.5°	2.5	2.5	3.0	3.0	3.0	3.0	3.0	3.0	3.5	3.5	3.5
65°	2.5	2.5	2.5	2.5	2.5	2.5	3.0	3.0	3.0	3.0	3.5
67.5°	2.0	2.0	2.0	2.5	2.5	2.5	2.5	2.5	3.0	3.0	3.0
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5
72.5°	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.5
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0
77.5°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5
80°	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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°	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3
2.5°	354.3	350.3	345.8	326.8	308.2	283.2	266.2	261.2
5°	375.8	369.3	359.3	323.2	279.7	230.2	190.1	175.6
7.5°	393.8	383.8	369.8	318.2	245.7	156.1	100.6	85.1
10°	406.8	394.3	376.3	309.2	200.7	86.1	34.0	25.5
12.5°	417.8	401.3	379.8	295.7	146.1	35.0	17.5	17.5
15°	425.3	405.3	381.3	276.7	94.6	18.5	16.5	16.5
17.5°	435.8	409.8	381.3	250.2	51.5	16.0	16.0	16.0
20°	452.8	414.3	375.8	216.7	28.5	15.0	15.5	15.5
22.5°	461.9	420.8	368.8	177.6	18.0	14.5	15.0	15.0
25°	463.9	419.8	353.8	140.1	14.5	14.0	14.5	15.0
27.5°	456.9	412.8	333.8	102.1	13.0	13.5	14.5	15.0
30°	444.3	395.8	301.7	69.1	12.0	13.5	14.5	15.0
32.5°	420.8	354.8	264.2	41.5	11.5	13.5	14.5	15.5
35°	368.3	311.7	221.2	18.0	11.0	13.5	15.0	15.5
37.5°	330.3	268.7	171.1	9.0	11.0	13.5	15.0	16.0
40°	288.2	216.2	79.1	8.0	11.0	13.5	15.0	16.0
42.5°	219.7	100.1	9.5	8.0	10.5	13.5	15.5	16.0
45°	80.1	10.5	5.0	7.5	10.5	13.5	15.5	16.5
47.5°	6.0	4.0	4.5	7.5	10.5	13.5	15.5	16.5
50°	4.0	4.0	4.5	7.5	10.5	13.5	15.5	16.5
52.5°	4.0	4.5	4.5	7.0	10.0	13.5	15.5	16.5
55°	4.0	4.5	4.5	7.0	10.0	13.0	15.5	16.5
57.5°	4.0	4.0	4.5	6.5	9.5	12.5	15.5	16.0
60°	4.0	4.0	4.5	6.0	9.0	12.0	14.5	15.5
62.5°	4.0	4.0	4.0	5.5	8.5	11.5	14.0	15.0
65°	3.5	3.5	4.0	5.0	7.5	10.5	13.0	14.0
67.5°	3.0	3.5	3.5	4.5	7.0	9.5	12.0	13.0
70°	3.0	3.0	3.0	4.0	6.0	8.5	11.0	11.5
72.5°	2.5	2.5	3.0	3.5	5.5	7.5	10.0	10.5
75°	2.0	2.5	2.5	3.0	4.5	6.5	8.5	9.0
77.5°	2.0	2.0	2.0	2.5	4.0	5.5	7.0	7.5
80°	1.5	1.5	1.5	2.0	3.0	4.5	5.5	6.0
82.5°	1.0	1.5	1.5	1.5	2.5	3.0	4.0	4.5
85°	1.0	1.0	1.0	1.0	1.5	2.0	2.5	3.0
87.5°	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)