

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: P1323834

Luminaire Tested: LDSQA3D09R709030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

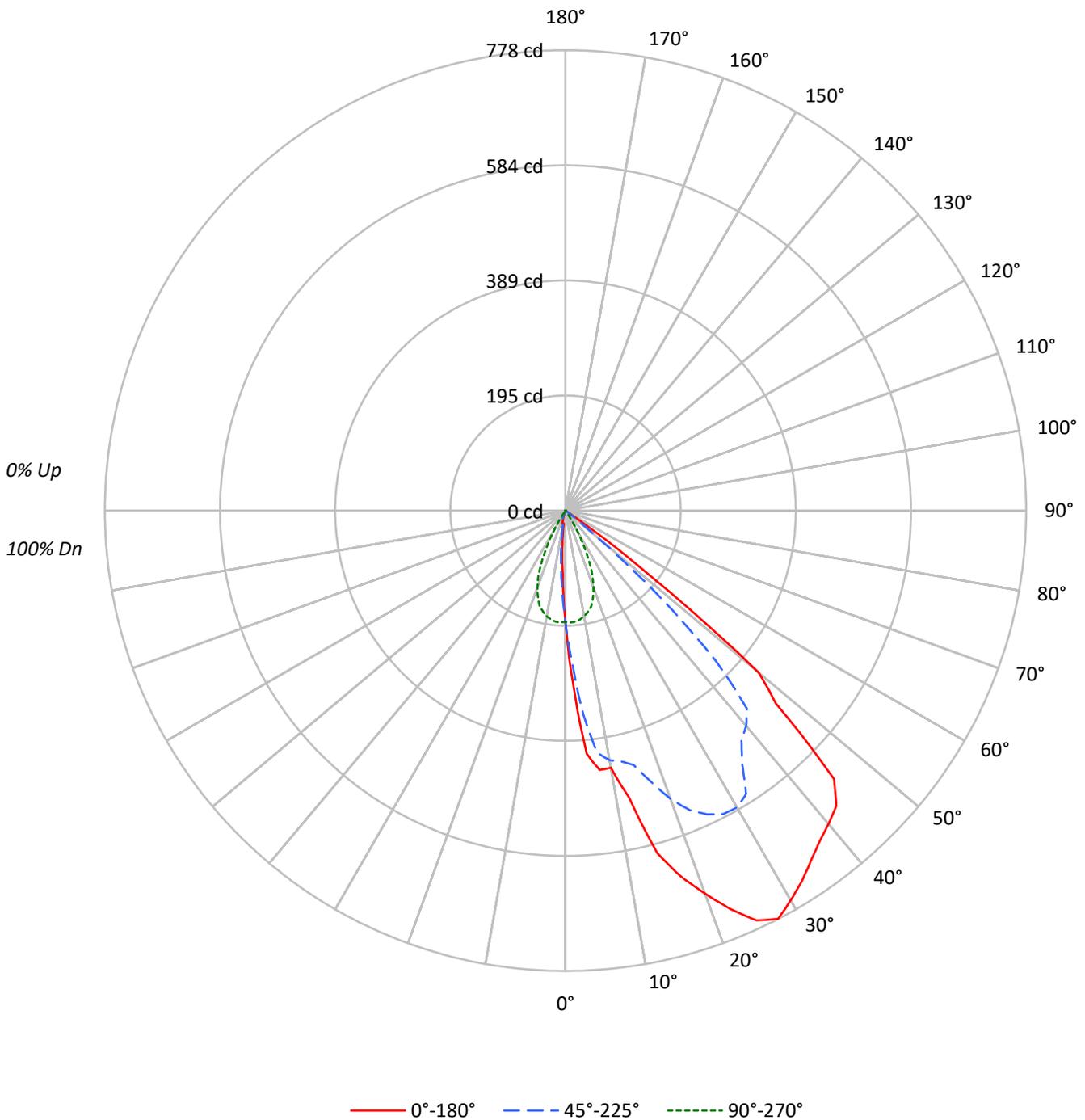
Test Method: LM-79-2019  
Report Number: P1323834  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R709030D2WDE010 3LSQCA30R 1MMS  
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 506.0 lumens  
Efficiency: N/A  
Efficacy: 34.4 lumens/watt  
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.7  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36

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

	0°	45°	90°	135°	180°
0°	32343	32343	32343	32343	32343
5°	71348	59869	32588	14816	9750
10°	77174	74918	31723	4127	4250
15°	106818	79325	29918	4208	3049
20°	126149	95010	25384	2493	916
25°	145180	107593	17920	399	0
30°	151237	115163	8233	0	0
35°	151923	109138	442	0	0
40°	155396	106745	0	0	0
45°	156170	87487	0	0	0
50°	114031	18166	0	0	0
55°	6426	0	0	0	0
60°	0	241	241	0	0
65°	0	0	285	0	0
70°	0	352	352	0	0
75°	0	466	466	0	0
80°	0	694	694	694	0
85°	0	1383	1383	1383	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 159142 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.5	4.1
10°-20°	68.6	13.6
20°-30°	123.3	24.4
30°-40°	149.9	29.6
40°-50°	115.8	22.9
50°-60°	26.9	5.3
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.4	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°	212.5	42.0
0°-40°	362.4	71.6
0°-60°	505.1	99.8
0°-90°	506.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	506.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	188	188	188	188	188	
5°	413	346	188	86	56	39
15°	599	445	168	24	17	168
25°	764	566	94	2	0	348
35°	723	519	2	0	0	454
45°	641	359	0	0	0	453
55°	21	0	0	0	0	88
65°	0	0	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°	187.8	187.8	187.8	187.8	187.8	187.8	187.8	187.8	187.8	187.8	187.8
2.5°	292.8	292.8	294.2	293.5	287.0	284.2	274.9	269.9	268.5	257.1	252.8
5°	412.7	413.4	409.9	409.1	402.0	397.0	389.2	377.0	364.9	346.3	329.9
7.5°	442.0	441.3	440.6	440.6	439.1	436.3	432.7	429.1	424.1	412.7	399.9
10°	441.3	441.3	440.6	440.6	439.9	440.6	439.9	437.7	435.6	428.4	421.3
12.5°	497.0	492.7	487.0	478.4	464.1	453.4	441.3	437.7	436.3	434.1	429.9
15°	599.1	595.5	583.4	568.4	554.1	529.8	510.5	484.1	463.4	444.9	435.6
17.5°	648.4	650.5	636.9	627.6	614.1	594.8	572.0	544.8	515.5	480.6	452.7
20°	688.3	690.5	679.1	669.8	654.1	634.1	614.1	584.8	557.0	518.4	482.0
22.5°	729.0	730.5	719.8	706.2	688.3	667.6	641.9	611.9	581.9	547.7	509.1
25°	764.0	762.6	744.8	725.5	708.3	686.2	661.2	631.9	603.4	566.2	529.8
27.5°	777.6	776.9	756.9	738.3	718.3	688.3	666.2	640.5	610.5	577.7	540.5
30°	760.5	771.9	759.0	745.5	721.2	691.2	669.8	639.1	611.2	579.1	537.0
32.5°	742.6	756.9	752.6	746.2	717.6	694.1	666.2	637.6	604.8	567.7	503.4
35°	722.6	737.6	738.3	731.2	705.5	681.9	656.2	626.2	589.1	519.1	472.0
37.5°	704.8	719.0	723.3	708.3	688.3	656.9	633.4	601.9	534.8	487.7	463.4
40°	691.2	701.9	708.3	684.8	664.8	634.1	606.9	552.0	491.3	474.8	440.6
42.5°	676.9	686.9	689.8	664.1	633.4	604.1	564.8	495.5	477.7	453.4	361.3
45°	641.2	653.4	646.2	621.2	598.4	567.7	509.1	479.1	459.8	359.2	222.1
47.5°	481.3	494.8	514.1	521.3	529.1	507.0	474.8	464.1	377.7	217.8	69.3
50°	425.6	423.4	423.4	427.0	433.4	440.6	449.8	391.3	227.1	67.8	0.0
52.5°	173.5	182.1	224.2	262.1	305.6	349.2	362.7	239.9	88.5	1.4	0.0
55°	21.4	21.4	30.0	51.4	85.0	137.1	154.2	77.1	6.4	0.0	0.0
57.5°	0.0	0.0	0.0	0.7	5.7	15.7	10.7	2.9	0.7	0.7	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	187.8	187.8	187.8	187.8	187.8	187.8	187.8	187.8
2.5°	245.6	237.1	224.9	189.2	158.5	131.4	115.7	107.8
5°	314.2	293.5	265.6	188.5	128.5	85.7	64.3	56.4
7.5°	379.9	356.3	309.2	185.7	98.5	50.0	27.8	22.1
10°	408.4	391.3	349.2	181.4	71.4	23.6	23.6	24.3
12.5°	419.9	407.0	372.7	174.9	47.1	22.8	24.3	22.8
15°	427.7	415.6	384.2	167.8	27.1	23.6	19.3	17.1
17.5°	432.0	417.7	387.7	154.2	17.9	20.0	12.1	10.0
20°	445.6	422.7	390.6	138.5	17.1	13.6	6.4	5.0
22.5°	468.4	432.7	391.3	119.2	13.6	7.9	2.1	0.0
25°	489.1	446.3	393.4	94.3	4.3	2.1	0.0	0.0
27.5°	499.1	450.6	392.7	66.4	0.0	0.0	0.0	0.0
30°	487.0	439.9	386.3	41.4	0.0	0.0	0.0	0.0
32.5°	458.4	432.0	366.3	17.9	0.0	0.0	0.0	0.0
35°	449.1	414.9	320.6	2.1	0.0	0.0	0.0	0.0
37.5°	428.4	365.6	235.6	0.0	0.0	0.0	0.0	0.0
40°	368.4	264.2	112.1	0.0	0.0	0.0	0.0	0.0
42.5°	243.5	112.8	6.4	0.0	0.0	0.0	0.0	0.0
45°	85.7	7.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.4	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°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0
67.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
70°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
72.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
75°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
77.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
87.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)