

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: P1323676

Luminaire Tested: LDSQA3D05R609030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

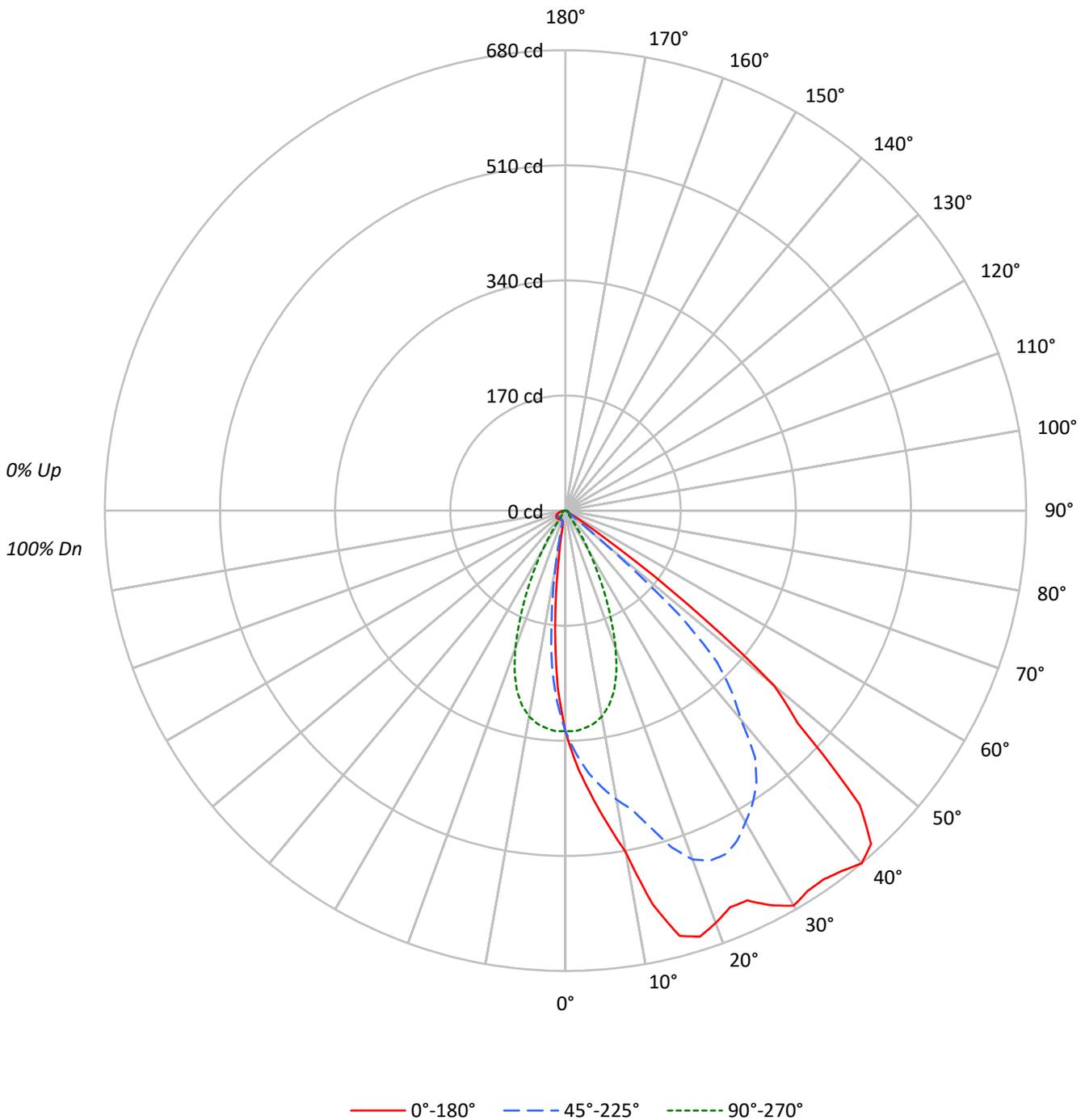
Test Method: LM-79-2019  
Report Number: P1323676  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R609030D2WDE010 3LSQCA30R 1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R60 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 529.0 lumens  
Efficiency: N/A  
Efficacy: 47.7 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 (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	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	41	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°	56076	56076	56076	56076	56076
5°	72437	67268	55771	39711	30306
10°	89521	75810	53985	15022	4459
15°	115947	86296	49246	3299	2942
20°	118818	100508	39642	2749	2841
25°	120724	106396	26566	2660	2850
30°	133976	105677	13702	2685	2983
35°	139771	103335	3784	2838	3259
40°	152923	90603	1799	3035	3597
45°	149619	76989	1827	3288	4019
50°	107869	18996	2009	3617	4421
55°	20688	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: 149619 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.3	5.4
10°-20°	78.2	14.8
20°-30°	120.3	22.7
30°-40°	141.2	26.7
40°-50°	113.2	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°	226.8	42.9
0°-40°	368.0	69.6
0°-60°	516.4	97.6
0°-90°	529.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	529.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	326	326	326	326	326	
5°	419	389	323	230	175	43
15°	650	484	276	18	16	178
25°	635	560	140	14	15	300
35°	665	492	18	14	16	421
45°	614	316	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°	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6
2.5°	375.6	371.6	371.6	370.1	368.6	369.1	365.1	366.6	362.6	359.6	357.1
5°	419.0	414.0	413.5	411.0	408.5	406.5	401.6	398.6	392.6	389.1	381.6
7.5°	464.0	460.0	457.5	454.5	450.0	445.0	436.5	431.0	421.5	412.0	402.6
10°	511.9	508.4	502.9	499.4	487.0	479.0	467.5	460.0	446.0	433.5	419.0
12.5°	595.8	593.8	583.3	576.4	558.4	542.4	517.4	497.4	472.5	452.0	432.5
15°	650.3	647.8	642.3	635.8	624.3	606.3	583.8	555.9	520.9	484.0	451.0
17.5°	659.8	660.3	656.8	655.3	647.8	636.3	618.3	597.3	562.4	521.4	476.5
20°	648.3	652.3	651.3	654.3	655.8	651.3	639.3	618.8	588.3	548.4	497.9
22.5°	634.3	637.8	636.8	642.3	650.8	655.3	651.3	634.8	603.8	559.4	509.9
25°	635.3	637.8	630.3	633.8	644.8	655.8	656.3	641.8	608.3	559.9	508.9
27.5°	657.3	649.8	632.8	631.3	644.8	658.8	659.8	641.8	601.8	549.4	498.9
30°	673.7	668.3	649.3	646.8	659.8	669.3	664.3	636.3	586.3	531.4	484.5
32.5°	665.8	666.8	658.8	666.8	683.7	687.7	666.8	623.3	564.9	513.9	467.5
35°	664.8	668.8	673.2	685.7	697.2	687.7	654.3	598.8	541.9	491.5	441.0
37.5°	670.8	677.2	683.7	694.7	694.7	670.3	621.3	567.9	514.4	459.5	386.1
40°	680.2	684.2	686.2	685.2	671.7	635.8	583.8	530.4	479.5	403.0	349.6
42.5°	667.8	667.3	665.3	656.8	631.8	584.8	536.4	492.9	412.5	363.6	302.7
45°	614.3	614.3	608.8	595.3	572.4	533.4	490.5	427.0	376.1	316.1	224.7
47.5°	465.0	461.5	467.5	475.5	475.5	472.0	433.0	378.1	326.1	228.2	71.9
50°	402.6	397.1	389.6	391.1	390.1	394.1	369.1	327.6	241.2	70.9	5.0
52.5°	227.7	237.7	262.2	296.7	312.2	317.6	302.2	249.2	81.4	4.5	4.0
55°	68.9	70.9	80.4	98.9	134.3	171.8	174.3	80.9	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°	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6
2.5°	353.6	349.6	345.1	326.1	307.7	282.7	265.7	260.7
5°	375.1	368.6	358.6	322.6	279.2	229.7	189.8	175.3
7.5°	393.1	383.1	369.1	317.6	245.2	155.8	100.4	84.9
10°	406.0	393.6	375.6	308.7	200.3	85.9	34.0	25.5
12.5°	417.0	400.6	379.1	295.2	145.8	35.0	17.5	17.5
15°	424.5	404.5	380.6	276.2	94.4	18.5	16.5	16.5
17.5°	435.0	409.0	380.6	249.7	51.4	16.0	16.0	16.0
20°	452.0	413.5	375.1	216.3	28.5	15.0	15.5	15.5
22.5°	461.0	420.0	368.1	177.3	18.0	14.5	15.0	15.0
25°	463.0	419.0	353.1	139.8	14.5	14.0	14.5	15.0
27.5°	456.0	412.0	333.1	101.9	13.0	13.5	14.5	15.0
30°	443.5	395.1	301.2	68.9	12.0	13.5	14.5	15.0
32.5°	420.0	354.1	263.7	41.5	11.5	13.5	14.5	15.5
35°	367.6	311.2	220.8	18.0	11.0	13.5	15.0	15.5
37.5°	329.6	268.2	170.8	9.0	11.0	13.5	15.0	16.0
40°	287.7	215.8	78.9	8.0	11.0	13.5	15.0	16.0
42.5°	219.3	99.9	9.5	8.0	10.5	13.5	15.5	16.0
45°	79.9	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)