

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: P1323530

Luminaire Tested: LDSQA3D02R609030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

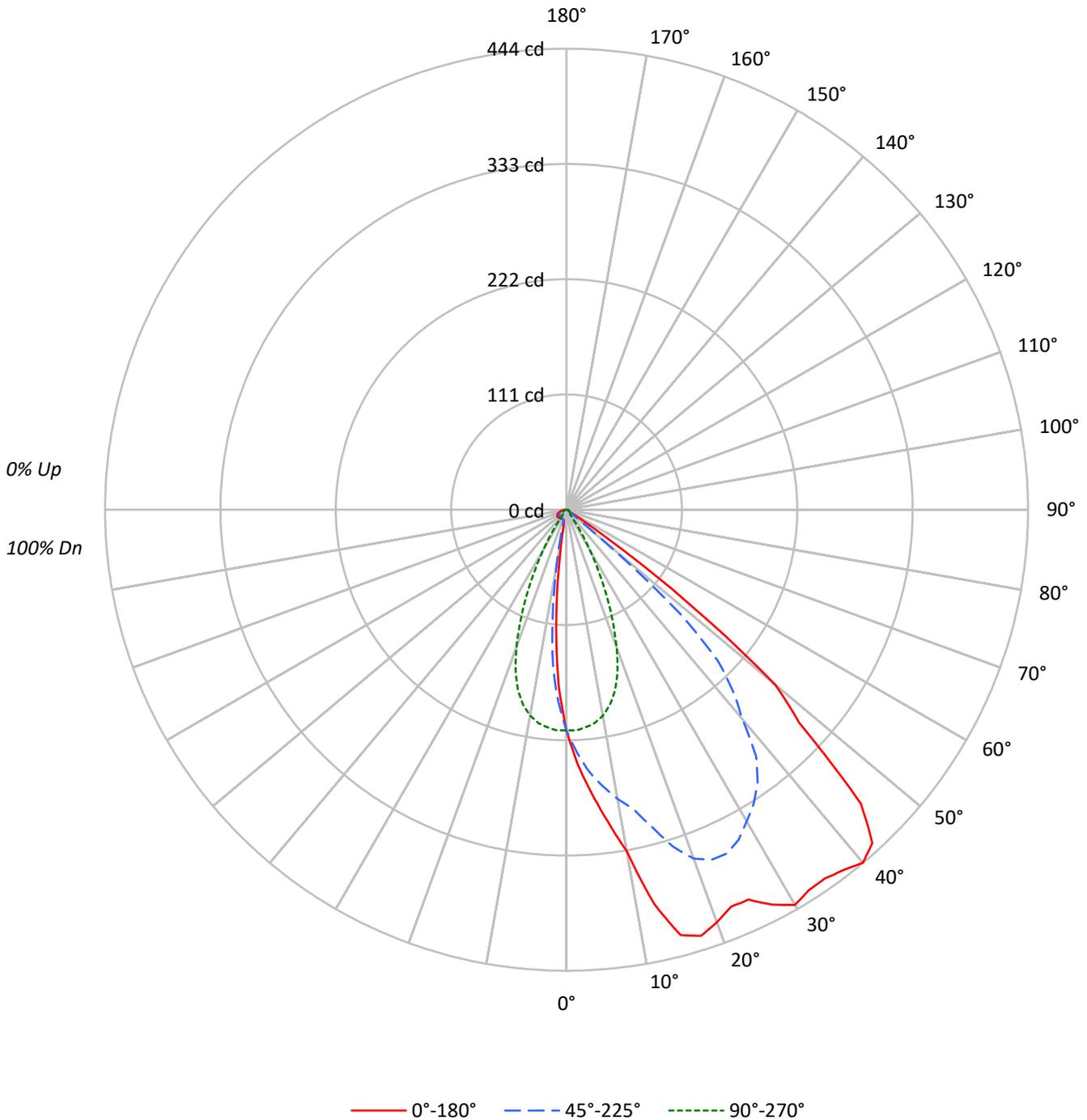
Test Method: LM-79-2019  
Report Number: P1323530  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R609030D2WDE010 3LSQCA30R 1MW  
Description: 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: 345.0 lumens  
Efficiency: N/A  
Efficacy: 47.9 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 (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
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	41	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°	36580	36580	36580	36580	36580
5°	47248	43860	36374	25897	19760
10°	58392	49438	35203	9793	2903
15°	75616	56271	32111	2157	1908
20°	77489	65539	25842	1796	1851
25°	78728	69379	17330	1729	1862
30°	87382	68927	8929	1750	1949
35°	91141	67384	2460	1850	2123
40°	99730	59105	1169	1978	2338
45°	97570	50222	1193	2143	2606
50°	70332	12405	1313	2358	2867
55°	13482	781	1381	2552	3213
60°	689	792	1343	2687	3479
65°	652	815	1345	2771	3708
70°	655	806	1309	2769	3777
75°	665	865	1331	2795	3926
80°	298	992	1289	2876	3868
85°	593	593	1383	2569	3952

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 97570 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.5	5.4
10°-20°	51.0	14.8
20°-30°	78.5	22.7
30°-40°	92.1	26.7
40°-50°	73.8	21.4
50°-60°	22.9	6.6
60°-70°	4.3	1.3
70°-80°	2.9	0.8
80°-90°	1.0	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°	147.9	42.9
0°-40°	240.0	69.6
0°-60°	336.8	97.6
0°-90°	345.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	345.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	212	212	212	212	212	
5°	273	254	210	150	114	28
15°	424	316	180	12	11	116
25°	414	365	91	9	10	196
35°	434	320	12	9	10	274
45°	401	206	5	9	11	287
55°	45	3	5	8	11	71
65°	2	2	3	7	9	2
75°	1	1	2	4	6	1
85°	0	0	1	1	2	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°	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4
2.5°	244.9	242.3	242.3	241.4	240.4	240.7	238.1	239.1	236.5	234.5	232.9
5°	273.3	270.0	269.7	268.1	266.4	265.1	261.9	259.9	256.0	253.7	248.9
7.5°	302.6	300.0	298.4	296.4	293.5	290.2	284.7	281.1	274.9	268.7	262.5
10°	333.9	331.6	328.0	325.7	317.6	312.4	304.9	300.0	290.9	282.7	273.3
12.5°	388.6	387.3	380.4	375.9	364.2	353.7	337.4	324.4	308.1	294.8	282.1
15°	424.1	422.5	418.9	414.6	407.2	395.4	380.8	362.5	339.7	315.6	294.1
17.5°	430.3	430.6	428.3	427.3	422.5	415.0	403.2	389.6	366.8	340.1	310.7
20°	422.8	425.4	424.7	426.7	427.7	424.7	416.9	403.6	383.7	357.6	324.7
22.5°	413.7	415.9	415.3	418.9	424.4	427.3	424.7	414.0	393.8	364.8	332.6
25°	414.3	415.9	411.1	413.3	420.5	427.7	428.0	418.6	396.7	365.1	331.9
27.5°	428.7	423.8	412.7	411.7	420.5	429.6	430.3	418.6	392.5	358.3	325.4
30°	439.4	435.8	423.4	421.8	430.3	436.5	433.2	415.0	382.4	346.6	316.0
32.5°	434.2	434.8	429.6	434.8	445.9	448.5	434.8	406.5	368.4	335.2	304.9
35°	433.5	436.1	439.1	447.2	454.7	448.5	426.7	390.5	353.4	320.5	287.6
37.5°	437.4	441.7	445.9	453.1	453.1	437.1	405.2	370.3	335.5	299.7	251.8
40°	443.6	446.2	447.5	446.9	438.1	414.6	380.8	345.9	312.7	262.9	228.0
42.5°	435.5	435.2	433.9	428.3	412.0	381.4	349.8	321.5	269.0	237.1	197.4
45°	400.6	400.6	397.1	388.3	373.3	347.9	319.9	278.5	245.3	206.2	146.6
47.5°	303.2	301.0	304.9	310.1	310.1	307.8	282.4	246.6	212.7	148.9	46.9
50°	262.5	258.9	254.1	255.0	254.4	257.0	240.7	213.7	157.3	46.3	3.3
52.5°	148.5	155.0	171.0	193.5	203.6	207.2	197.1	162.5	53.1	2.9	2.6
55°	44.9	46.3	52.4	64.5	87.6	112.0	113.7	52.8	3.6	2.6	2.6
57.5°	2.0	2.0	2.6	3.9	9.1	13.7	14.7	3.3	2.3	2.6	2.6
60°	2.0	2.0	2.0	2.0	2.0	2.0	2.3	2.3	2.3	2.3	2.6
62.5°	1.6	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.3	2.3	2.3
65°	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.3
67.5°	1.3	1.3	1.3	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.0
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.6	1.6	1.6
72.5°	1.0	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.6
75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.3
77.5°	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0
80°	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7	0.7	0.7
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
87.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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°	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4
2.5°	230.6	228.0	225.1	212.7	200.6	184.4	173.3	170.0
5°	244.6	240.4	233.9	210.4	182.1	149.8	123.8	114.3
7.5°	256.3	249.8	240.7	207.2	159.9	101.6	65.5	55.4
10°	264.8	256.7	244.9	201.3	130.6	56.0	22.1	16.6
12.5°	272.0	261.2	247.2	192.5	95.1	22.8	11.4	11.4
15°	276.9	263.8	248.2	180.1	61.6	12.1	10.7	10.7
17.5°	283.7	266.8	248.2	162.9	33.5	10.4	10.4	10.4
20°	294.8	269.7	244.6	141.0	18.6	9.8	10.1	10.1
22.5°	300.6	273.9	240.1	115.6	11.7	9.4	9.8	9.8
25°	301.9	273.3	230.3	91.2	9.4	9.1	9.4	9.8
27.5°	297.4	268.7	217.3	66.4	8.5	8.8	9.4	9.8
30°	289.2	257.6	196.4	44.9	7.8	8.8	9.4	9.8
32.5°	273.9	230.9	172.0	27.0	7.5	8.8	9.4	10.1
35°	239.7	202.9	144.0	11.7	7.2	8.8	9.8	10.1
37.5°	215.0	174.9	111.4	5.9	7.2	8.8	9.8	10.4
40°	187.6	140.7	51.5	5.2	7.2	8.8	9.8	10.4
42.5°	143.0	65.1	6.2	5.2	6.8	8.8	10.1	10.4
45°	52.1	6.8	3.3	4.9	6.8	8.8	10.1	10.7
47.5°	3.9	2.6	2.9	4.9	6.8	8.8	10.1	10.7
50°	2.6	2.6	2.9	4.9	6.8	8.8	10.1	10.7
52.5°	2.6	2.9	2.9	4.6	6.5	8.8	10.1	10.7
55°	2.6	2.9	2.9	4.6	6.5	8.5	10.1	10.7
57.5°	2.6	2.6	2.9	4.2	6.2	8.1	10.1	10.4
60°	2.6	2.6	2.9	3.9	5.9	7.8	9.4	10.1
62.5°	2.6	2.6	2.6	3.6	5.5	7.5	9.1	9.8
65°	2.3	2.3	2.6	3.3	4.9	6.8	8.5	9.1
67.5°	2.0	2.3	2.3	2.9	4.6	6.2	7.8	8.5
70°	2.0	2.0	2.0	2.6	3.9	5.5	7.2	7.5
72.5°	1.6	1.6	2.0	2.3	3.6	4.9	6.5	6.8
75°	1.3	1.6	1.6	2.0	2.9	4.2	5.5	5.9
77.5°	1.3	1.3	1.3	1.6	2.6	3.6	4.6	4.9
80°	1.0	1.0	1.0	1.3	2.0	2.9	3.6	3.9
82.5°	0.7	1.0	1.0	1.0	1.6	2.0	2.6	2.9
85°	0.7	0.7	0.7	0.7	1.0	1.3	1.6	2.0
87.5°	0.3	0.3	0.7	0.7	0.7	0.7	0.7	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)