

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: P1317860

Luminaire Tested: LDSQA3D20R709827D010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317860  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R709827D010 3LSQCLSWWR 1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , 3LSQCLSWWR 1MMS T  
Light Source: -  
Ballast/Driver: -

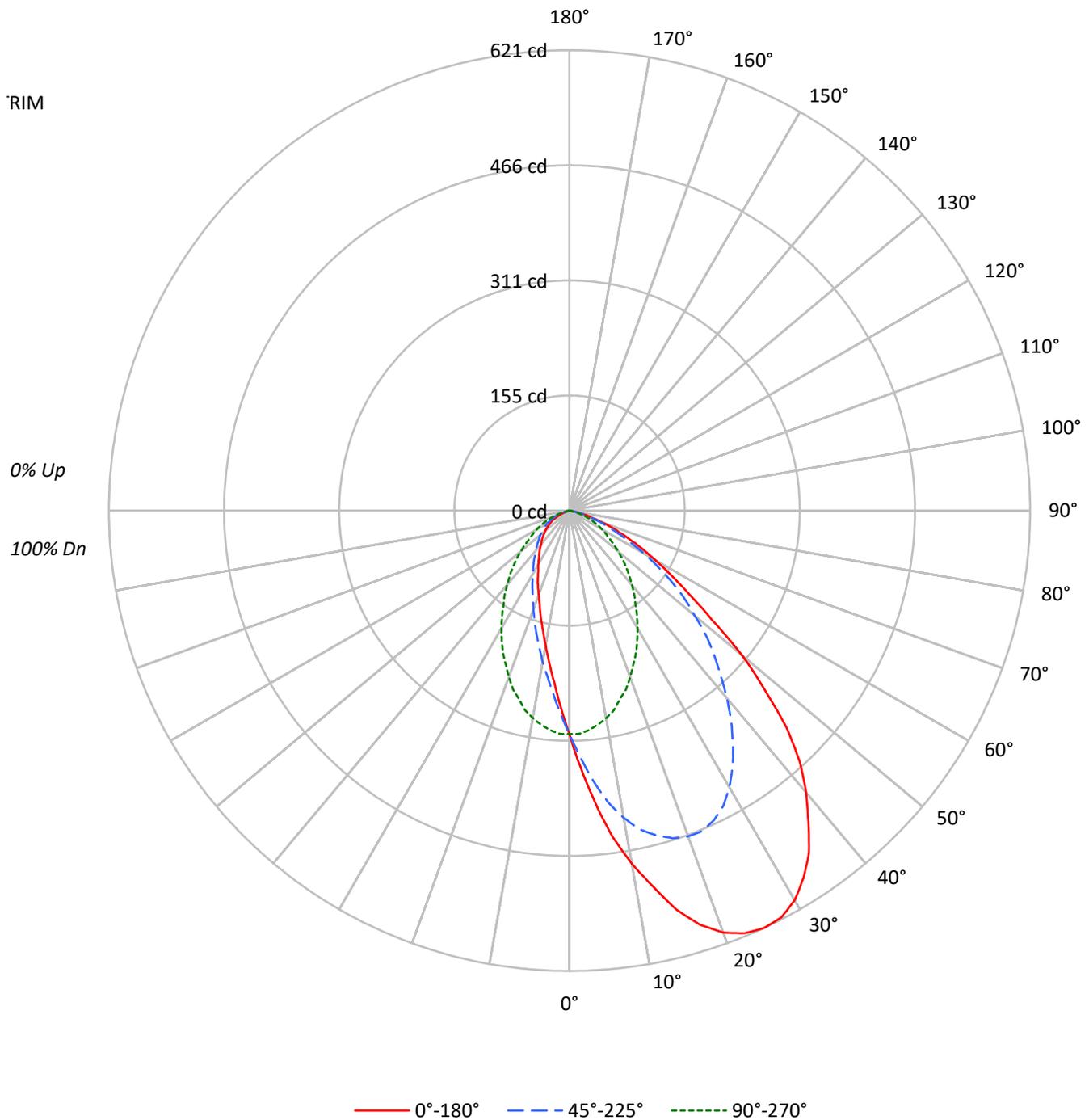
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 676.0 lumens  
Efficiency: N/A  
Efficacy: 24.7 lumens/watt  
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.4  
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

TEST NUMBER: P1317860  
CATALOG NUMBER: LDSQA3D20R709827D010 3LSQCLSWWR 1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P1317860

CATALOG NUMBER: LDSQA3D20R709827D010 3LSQCLSWWR 1MMS

**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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	90	90	90	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	69	69	69	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	61	61	61	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	54	54	54	52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	48	48	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	43	43	43	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	39	39	39	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	36	36	36	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	33	33	33	31

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

	0°	45°	90°	135°	180°
0°	51908	51908	51908	51908	51908
5°	68322	63171	51363	43013	40298
10°	84537	73589	49718	36305	32318
15°	99365	80858	46892	30667	26620
20°	110992	85718	43766	26062	22140
25°	118045	87526	40248	22423	19174
30°	120711	85671	36472	19509	16685
35°	118368	80692	32588	17640	14948
40°	111534	74146	29407	15985	13422
45°	100761	67174	26304	14541	12470
50°	81505	59052	22855	13718	11414
55°	59332	50804	19637	12791	10239
60°	46018	40162	17636	11746	9300
65°	34761	28974	14467	10432	6968
70°	24321	20746	10726	7855	4280
75°	14173	12310	5656	3793	932
80°	2777	4265	1389	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 100761 cd/sqm



TEST NUMBER: P1317860

CATALOG NUMBER: LDSQA3D20R709827D010 3LSQCLSWWR 1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.5	4.4
10°-20°	87.9	13.0
20°-30°	132.4	19.6
30°-40°	147.2	21.8
40°-50°	130.5	19.3
50°-60°	88.6	13.1
60°-70°	46.5	6.9
70°-80°	13.2	1.9
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°	249.8	36.9
0°-40°	397.0	58.7
0°-60°	616.0	91.1
0°-90°	676.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	676.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	301	301	301	301	301	
5°	395	365	297	249	233	40
15°	557	454	263	172	149	158
25°	621	461	212	118	101	285
35°	563	384	155	84	71	349
45°	414	276	108	60	51	313
55°	198	169	65	43	34	183
65°	85	71	36	26	17	86
75°	21	18	8	6	1	24
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1317860

CATALOG NUMBER: LDSQA3D20R709827D010 3LSQCLSWWR 1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	301.4	301.4	301.4	301.4	301.4	301.4	301.4	301.4	301.4	301.4	301.4
2.5°	346.9	345.5	344.0	344.0	342.6	341.2	338.3	338.3	335.5	332.7	329.8
5°	395.2	395.2	395.2	390.9	390.9	385.3	382.4	376.7	371.0	365.4	358.2
7.5°	443.5	443.5	439.3	437.9	433.6	427.9	423.6	415.1	405.2	396.6	385.3
10°	483.4	483.4	479.1	476.2	467.7	462.0	453.5	443.5	433.6	420.8	406.6
12.5°	518.9	520.3	514.6	508.9	500.4	491.9	480.5	467.7	454.9	440.7	422.2
15°	557.3	555.9	548.7	541.6	531.7	518.9	504.7	487.6	470.6	453.5	433.6
17.5°	585.7	584.3	577.2	568.6	555.9	540.2	524.6	504.7	484.8	463.4	439.3
20°	605.6	604.2	597.1	585.7	572.9	555.9	537.4	514.6	493.3	467.7	440.7
22.5°	617.0	615.6	607.0	597.1	581.4	563.0	543.1	518.9	494.7	467.7	437.9
25°	621.2	618.4	609.9	598.5	582.9	563.0	540.2	514.6	489.0	460.6	429.3
27.5°	618.4	615.6	605.6	592.8	575.8	553.0	530.3	504.7	477.7	449.2	416.5
30°	607.0	602.8	594.2	581.4	563.0	540.2	516.0	489.0	460.6	430.8	398.1
32.5°	587.1	584.3	575.8	561.5	543.1	520.3	496.1	467.7	439.3	409.4	376.7
35°	563.0	557.3	548.7	536.0	517.5	494.7	470.6	440.7	413.7	383.8	352.6
37.5°	528.8	527.4	517.5	507.5	489.0	464.9	442.1	413.7	386.7	358.2	327.0
40°	496.1	493.3	484.8	473.4	454.9	433.6	409.4	383.8	356.8	329.8	301.4
42.5°	459.2	454.9	449.2	437.9	420.8	399.5	376.7	351.1	327.0	301.4	275.8
45°	413.7	412.3	405.2	399.5	383.8	365.4	342.6	319.9	295.7	275.8	255.9
47.5°	355.4	354.0	352.6	348.3	339.8	327.0	309.9	288.6	270.1	250.2	223.2
50°	304.2	302.8	300.0	298.5	291.4	284.3	271.5	258.7	243.1	220.4	199.0
52.5°	241.7	243.1	247.4	248.8	247.4	241.7	236.0	231.7	210.4	196.2	176.3
55°	197.6	197.6	196.2	197.6	199.0	201.9	201.9	196.2	182.0	169.2	152.1
57.5°	162.1	162.1	162.1	162.1	162.1	163.5	163.5	162.1	155.0	142.2	126.5
60°	133.6	132.2	132.2	133.6	132.2	132.2	133.6	133.6	126.5	116.6	102.4
62.5°	108.0	108.0	108.0	106.6	106.6	108.0	108.0	106.6	100.9	91.0	81.0
65°	85.3	85.3	85.3	85.3	85.3	86.7	85.3	83.9	78.2	71.1	64.0
67.5°	65.4	65.4	66.8	65.4	66.8	66.8	66.8	64.0	59.7	54.0	49.8
70°	48.3	48.3	48.3	49.8	51.2	51.2	49.8	46.9	44.1	41.2	37.0
72.5°	32.7	34.1	34.1	34.1	35.5	35.5	34.1	32.7	31.3	28.4	27.0
75°	21.3	19.9	21.3	21.3	22.7	22.7	21.3	21.3	19.9	18.5	17.1
77.5°	10.0	10.0	11.4	11.4	11.4	11.4	11.4	11.4	11.4	10.0	10.0
80°	2.8	2.8	2.8	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
82.5°	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P1317860

CATALOG NUMBER: LDSQA3D20R709827D010 3LSQCLSWWR 1MMS

**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	301.4	301.4	301.4	301.4	301.4	301.4	301.4	301.4
2.5°	327.0	322.7	317.0	301.4	287.2	274.4	267.3	265.8
5°	349.7	344.0	329.8	297.1	270.1	248.8	236.0	233.1
7.5°	373.9	362.5	342.6	291.4	253.0	226.0	211.8	207.6
10°	392.4	378.2	351.1	284.3	236.0	207.6	190.5	184.8
12.5°	405.2	388.1	358.2	275.8	221.8	187.7	170.6	164.9
15°	412.3	393.8	359.7	263.0	204.7	172.0	153.5	149.3
17.5°	415.1	393.8	356.8	253.0	189.1	156.4	139.3	133.6
20°	413.7	388.1	349.7	238.8	174.9	142.2	125.1	120.8
22.5°	408.0	379.6	338.3	224.6	160.6	127.9	113.7	110.9
25°	399.5	368.2	325.6	211.8	147.8	118.0	103.8	100.9
27.5°	385.3	354.0	308.5	197.6	136.5	108.0	95.2	91.0
30°	366.8	336.9	291.4	183.4	125.1	98.1	86.7	83.9
32.5°	346.9	317.0	274.4	169.2	115.2	91.0	79.6	76.8
35°	324.1	295.7	253.0	155.0	105.2	83.9	72.5	71.1
37.5°	301.4	273.0	234.6	143.6	96.7	76.8	66.8	65.4
40°	275.8	253.0	224.6	130.8	89.6	71.1	62.6	59.7
42.5°	260.2	228.9	193.3	119.4	82.5	65.4	56.9	55.4
45°	226.0	203.3	174.9	108.0	75.3	59.7	52.6	51.2
47.5°	203.3	183.4	156.4	96.7	69.7	55.4	48.3	46.9
50°	180.5	162.1	136.5	85.3	64.0	51.2	44.1	42.6
52.5°	157.8	139.3	116.6	75.3	56.9	46.9	39.8	38.4
55°	135.1	118.0	96.7	65.4	51.2	42.6	37.0	34.1
57.5°	110.9	96.7	82.5	58.3	45.5	38.4	32.7	29.9
60°	89.6	81.0	69.7	51.2	39.8	34.1	28.4	27.0
62.5°	72.5	65.4	58.3	44.1	35.5	29.9	25.6	21.3
65°	58.3	54.0	48.3	35.5	29.9	25.6	21.3	17.1
67.5°	45.5	42.6	38.4	29.9	24.2	21.3	15.6	12.8
70°	35.5	32.7	29.9	21.3	18.5	15.6	11.4	8.5
72.5°	25.6	22.7	21.3	15.6	12.8	11.4	7.1	4.3
75°	15.6	15.6	12.8	8.5	7.1	5.7	2.8	1.4
77.5°	8.5	8.5	7.1	4.3	4.3	1.4	0.0	0.0
80°	4.3	2.8	2.8	1.4	1.4	0.0	0.0	0.0
82.5°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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)