

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: P1317420

Luminaire Tested: LDSQA3D09R709827DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317420  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R709827DE010 3LSQCLDWWR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , 3LSQCLDWWR1MW TR  
Light Source: -  
Ballast/Driver: -

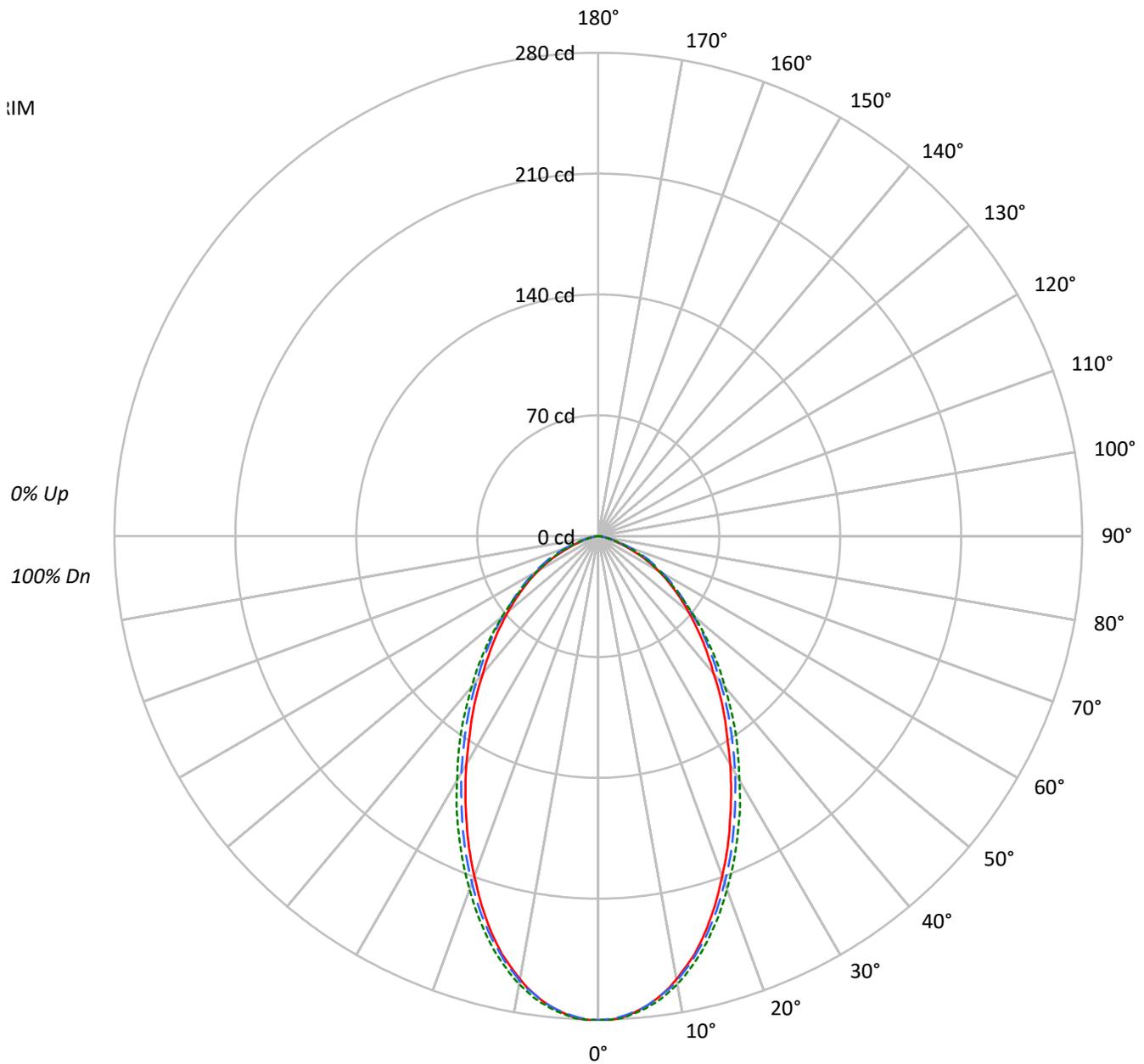
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 421.0 lumens  
Efficiency: N/A  
Efficacy: 38.3 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34

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

	0°	45°	90°
0°	48291	48291	48291
5°	47594	47594	47767
10°	45556	45748	46098
15°	42453	42827	43362
20°	38415	39166	39917
25°	34319	35288	36257
30°	30367	31480	32475
35°	26743	27921	29098
40°	23336	24595	25630
45°	20703	21823	22554
50°	18273	19211	19505
55°	16034	16965	16514
60°	13847	14914	14191
65°	11003	12837	11614
70°	7956	9970	8711
75°	6122	6455	5390
80°	4066	4066	3075
85°	1976	1976	1976

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 22554 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.8	6.1
10°-20°	67.1	15.9
20°-30°	85.3	20.3
30°-40°	82.9	19.7
40°-50°	69.0	16.4
50°-60°	49.7	11.8
60°-70°	29.3	6.9
70°-80°	10.4	2.5
80°-90°	1.5	0.4
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°	178.2	42.3
0°-40°	261.2	62.0
0°-60°	379.9	90.2
0°-90°	421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	421.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	280	280	280	280	280	
5°	275	275	275	275	276	26
15°	238	238	240	242	243	66
25°	181	183	186	189	191	83
35°	127	129	133	136	138	79
45°	85	86	90	92	93	66
55°	53	55	56	56	55	48
65°	27	29	32	30	28	27
75°	9	10	10	9	8	10
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	280.4	280.4	280.4	280.4	280.4
1°	280.4	279.9	279.9	279.9	280.4
2°	279.9	279.4	279.4	279.4	279.9
3°	278.9	278.3	278.3	278.3	279.4
4°	277.3	276.3	276.8	276.8	277.8
5°	275.3	274.8	275.3	275.3	276.3
6°	273.3	272.7	273.3	273.3	274.3
7°	270.7	270.2	270.7	271.2	272.2
8°	267.7	267.2	267.7	268.2	269.7
9°	264.6	264.1	265.1	265.6	266.6
10°	260.5	260.5	261.6	262.1	263.6
11°	256.5	256.5	257.5	258.5	260.0
12°	252.4	252.4	253.9	254.9	256.0
13°	248.3	247.8	249.3	250.4	251.9
14°	243.2	242.7	244.8	246.3	247.8
15°	238.1	238.1	240.2	241.7	243.2
17.5°	224.4	224.9	227.5	229.5	231.0
20°	209.6	211.2	213.7	216.3	217.8
22.5°	195.4	196.4	200.0	203.0	204.6
25°	180.6	182.7	185.7	189.3	190.8
27.5°	166.4	168.4	171.5	175.0	177.6
30°	152.7	154.2	158.3	161.8	163.3
32.5°	138.9	141.0	145.0	148.6	150.6
35°	127.2	128.7	132.8	136.4	138.4
37.5°	115.5	117.0	121.1	124.2	125.7
40°	103.8	106.4	109.4	112.5	114.0
42.5°	94.1	96.2	99.2	101.8	103.3
45°	85.0	86.5	89.6	91.6	92.6
47.5°	76.3	77.9	80.9	81.9	82.4
50°	68.2	69.7	71.7	72.3	72.8
52.5°	60.6	61.6	63.6	63.6	63.1
55°	53.4	55.0	56.5	56.0	55.0
57.5°	46.8	47.3	49.9	48.9	47.8
60°	40.2	41.2	43.3	42.2	41.2
62.5°	33.6	34.6	37.1	36.1	34.6
65°	27.0	29.0	31.5	30.0	28.5
67.5°	20.4	22.9	25.4	23.9	22.9
70°	15.8	17.8	19.8	18.3	17.3
72.5°	12.2	13.2	14.2	13.2	12.2
75°	9.2	9.7	9.7	8.7	8.1
77.5°	6.6	7.1	6.1	5.1	5.1
80°	4.1	4.6	4.1	3.1	3.1
82.5°	2.0	2.5	2.0	2.0	2.0
85°	1.0	1.0	1.0	1.0	1.0
87.5°	0.5	0.5	0.5	0.5	0.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)