

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: P1315541

Luminaire Tested: LDSQA3D09R709735DE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315541  
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: LDSQA3D09R709735DE010 3LSQCLSWWR 1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , 3LSQCLSWWR 1MMS T  
Light Source: -  
Ballast/Driver: -

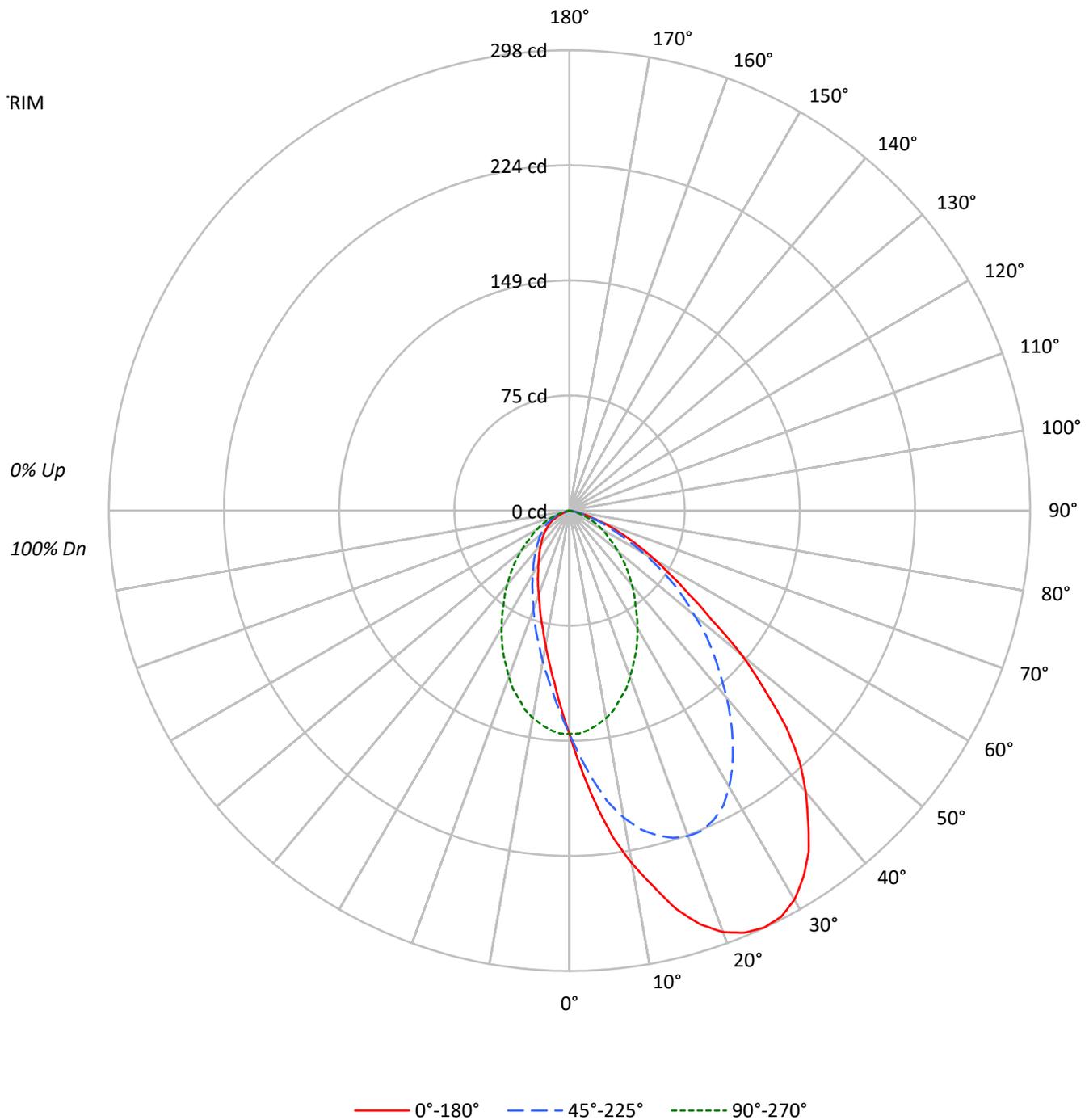
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 324.0 lumens  
Efficiency: N/A  
Efficacy: 29.2 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): 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	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°	24869	24869	24869	24869	24869
5°	32744	30271	24618	20607	19311
10°	40520	35273	23836	17401	15494
15°	47623	38762	22483	14692	12748
20°	53205	41090	20985	12481	10612
25°	56590	41958	19288	10756	9197
30°	57850	41066	17480	9347	7994
35°	56724	38685	15621	8452	7169
40°	53462	35544	14096	7666	6430
45°	48298	32199	12616	6966	5967
50°	39064	28293	10958	6564	5466
55°	28435	24351	9398	6125	4924
60°	22044	19254	8439	5649	4443
65°	16667	13896	6928	5012	3342
70°	11682	9970	5136	3777	2065
75°	6787	5922	2728	1797	466
80°	1389	1984	694	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 48298 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.1	4.4
10°-20°	42.1	13.0
20°-30°	63.5	19.6
30°-40°	70.5	21.8
40°-50°	62.5	19.3
50°-60°	42.4	13.1
60°-70°	22.3	6.9
70°-80°	6.3	2.0
80°-90°	0.2	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°	119.7	36.9
0°-40°	190.3	58.7
0°-60°	295.2	91.1
0°-90°	324.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	324.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	144	144	144	144	144	
5°	189	175	142	119	112	19
15°	267	217	126	82	72	76
25°	298	221	102	57	48	137
35°	270	184	74	40	34	167
45°	198	132	52	29	24	150
55°	95	81	31	20	16	87
65°	41	34	17	12	8	41
75°	10	9	4	3	1	11
85°	0	0	0	0	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°	144.4	144.4	144.4	144.4	144.4	144.4	144.4	144.4	144.4	144.4	144.4
2.5°	166.3	165.6	164.9	164.9	164.2	163.5	162.2	162.2	160.8	159.4	158.1
5°	189.4	189.4	189.4	187.4	187.4	184.7	183.3	180.6	177.8	175.1	171.7
7.5°	212.6	212.6	210.5	209.9	207.8	205.1	203.0	199.0	194.2	190.1	184.7
10°	231.7	231.7	229.6	228.3	224.2	221.4	217.4	212.6	207.8	201.7	194.9
12.5°	248.7	249.4	246.7	243.9	239.8	235.8	230.3	224.2	218.0	211.2	202.4
15°	267.1	266.4	263.0	259.6	254.8	248.7	241.9	233.7	225.5	217.4	207.8
17.5°	280.7	280.0	276.6	272.5	266.4	258.9	251.4	241.9	232.3	222.1	210.5
20°	290.3	289.6	286.2	280.7	274.6	266.4	257.6	246.7	236.4	224.2	211.2
22.5°	295.7	295.0	290.9	286.2	278.7	269.8	260.3	248.7	237.1	224.2	209.9
25°	297.8	296.4	292.3	286.9	279.4	269.8	258.9	246.7	234.4	220.8	205.8
27.5°	296.4	295.0	290.3	284.1	276.0	265.1	254.2	241.9	228.9	215.3	199.6
30°	290.9	288.9	284.8	278.7	269.8	258.9	247.3	234.4	220.8	206.5	190.8
32.5°	281.4	280.0	276.0	269.1	260.3	249.4	237.8	224.2	210.5	196.2	180.6
35°	269.8	267.1	263.0	256.9	248.0	237.1	225.5	211.2	198.3	184.0	169.0
37.5°	253.5	252.8	248.0	243.2	234.4	222.8	211.9	198.3	185.3	171.7	156.7
40°	237.8	236.4	232.3	226.9	218.0	207.8	196.2	184.0	171.0	158.1	144.4
42.5°	220.1	218.0	215.3	209.9	201.7	191.5	180.6	168.3	156.7	144.4	132.2
45°	198.3	197.6	194.2	191.5	184.0	175.1	164.2	153.3	141.7	132.2	122.6
47.5°	170.3	169.7	169.0	166.9	162.8	156.7	148.5	138.3	129.5	119.9	107.0
50°	145.8	145.1	143.8	143.1	139.7	136.3	130.1	124.0	116.5	105.6	95.4
52.5°	115.8	116.5	118.6	119.2	118.6	115.8	113.1	111.1	100.8	94.0	84.5
55°	94.7	94.7	94.0	94.7	95.4	96.8	96.8	94.0	87.2	81.1	72.9
57.5°	77.7	77.7	77.7	77.7	77.7	78.4	78.4	77.7	74.3	68.1	60.6
60°	64.0	63.4	63.4	64.0	63.4	63.4	64.0	64.0	60.6	55.9	49.1
62.5°	51.8	51.8	51.8	51.1	51.1	51.8	51.8	51.1	48.4	43.6	38.8
65°	40.9	40.9	40.9	40.9	40.9	41.6	40.9	40.2	37.5	34.1	30.7
67.5°	31.3	31.3	32.0	31.3	32.0	32.0	32.0	30.7	28.6	25.9	23.8
70°	23.2	23.2	23.2	23.8	24.5	24.5	23.8	22.5	21.1	19.8	17.7
72.5°	15.7	16.4	16.4	16.4	17.0	17.0	16.4	15.7	15.0	13.6	12.9
75°	10.2	9.5	10.2	10.2	10.9	10.9	10.2	10.2	9.5	8.9	8.2
77.5°	4.8	4.8	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.8	4.8
80°	1.4	1.4	1.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	144.4	144.4	144.4	144.4	144.4	144.4	144.4	144.4
2.5°	156.7	154.7	151.9	144.4	137.6	131.5	128.1	127.4
5°	167.6	164.9	158.1	142.4	129.5	119.2	113.1	111.7
7.5°	179.2	173.7	164.2	139.7	121.3	108.3	101.5	99.5
10°	188.1	181.2	168.3	136.3	113.1	99.5	91.3	88.6
12.5°	194.2	186.0	171.7	132.2	106.3	89.9	81.8	79.0
15°	197.6	188.7	172.4	126.1	98.1	82.4	73.6	71.5
17.5°	199.0	188.7	171.0	121.3	90.6	75.0	66.8	64.0
20°	198.3	186.0	167.6	114.5	83.8	68.1	60.0	57.9
22.5°	195.6	181.9	162.2	107.7	77.0	61.3	54.5	53.1
25°	191.5	176.5	156.0	101.5	70.9	56.6	49.7	48.4
27.5°	184.7	169.7	147.9	94.7	65.4	51.8	45.7	43.6
30°	175.8	161.5	139.7	87.9	60.0	47.0	41.6	40.2
32.5°	166.3	151.9	131.5	81.1	55.2	43.6	38.2	36.8
35°	155.4	141.7	121.3	74.3	50.4	40.2	34.7	34.1
37.5°	144.4	130.8	112.4	68.8	46.3	36.8	32.0	31.3
40°	132.2	121.3	107.7	62.7	42.9	34.1	30.0	28.6
42.5°	124.7	109.7	92.7	57.2	39.5	31.3	27.3	26.6
45°	108.3	97.4	83.8	51.8	36.1	28.6	25.2	24.5
47.5°	97.4	87.9	75.0	46.3	33.4	26.6	23.2	22.5
50°	86.5	77.7	65.4	40.9	30.7	24.5	21.1	20.4
52.5°	75.6	66.8	55.9	36.1	27.3	22.5	19.1	18.4
55°	64.7	56.6	46.3	31.3	24.5	20.4	17.7	16.4
57.5°	53.1	46.3	39.5	27.9	21.8	18.4	15.7	14.3
60°	42.9	38.8	33.4	24.5	19.1	16.4	13.6	12.9
62.5°	34.7	31.3	27.9	21.1	17.0	14.3	12.3	10.2
65°	27.9	25.9	23.2	17.0	14.3	12.3	10.2	8.2
67.5°	21.8	20.4	18.4	14.3	11.6	10.2	7.5	6.1
70°	17.0	15.7	14.3	10.2	8.9	7.5	5.5	4.1
72.5°	12.3	10.9	10.2	7.5	6.1	5.5	3.4	2.0
75°	7.5	7.5	6.1	4.1	3.4	2.7	1.4	0.7
77.5°	4.1	4.1	3.4	2.0	2.0	0.7	0.0	0.0
80°	2.0	1.4	1.4	0.7	0.7	0.0	0.0	0.0
82.5°	0.7	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)