

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: P1314412

Luminaire Tested: LDSQA3D05R709730DE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314412  
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: LDSQA3D05R709730DE010 3LSQCLSWWR 1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCLSWWR 1MMS T  
Light Source: -  
Ballast/Driver: -

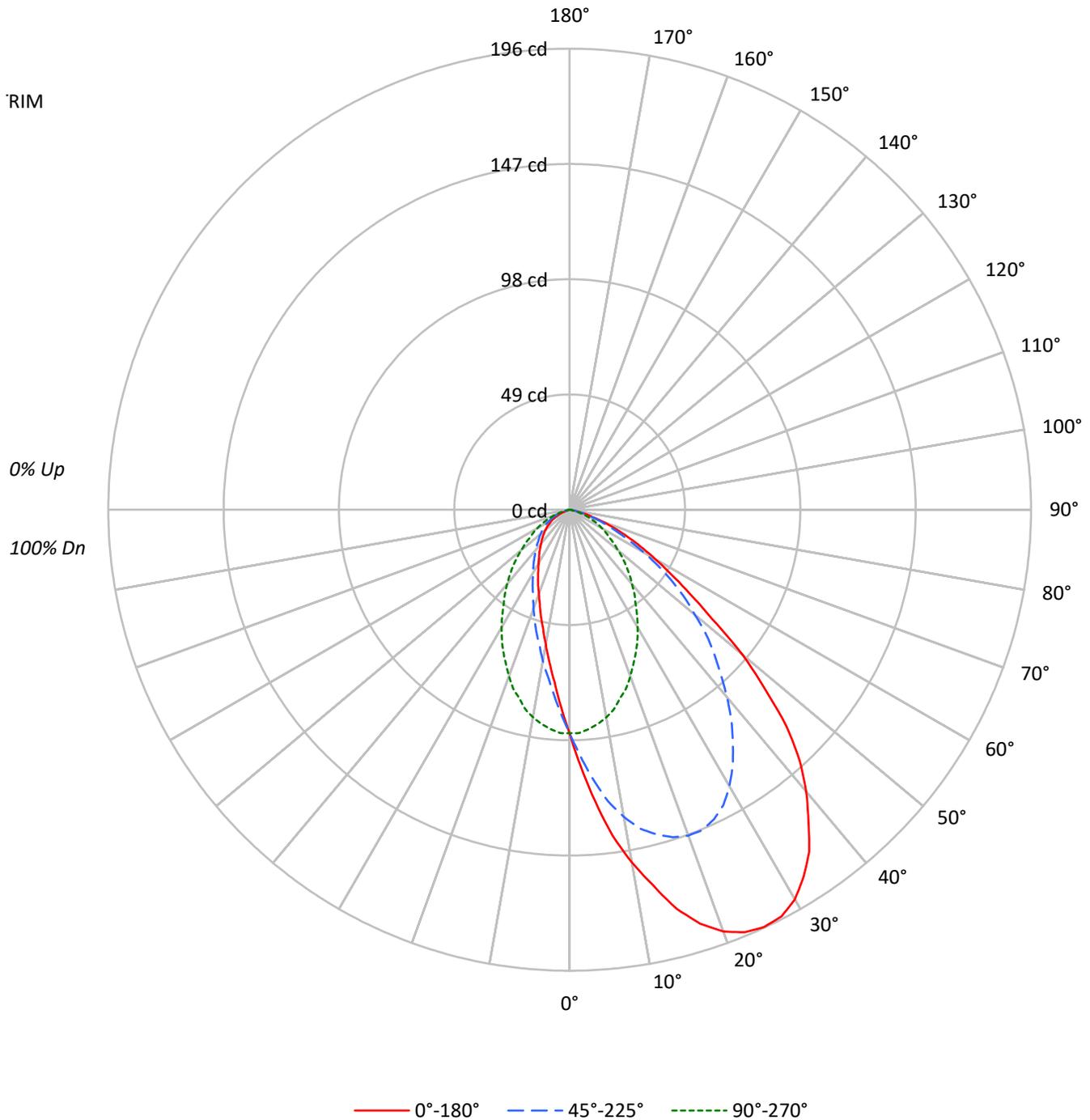
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 213.0 lumens  
Efficiency: N/A  
Efficacy: 29.6 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): 7.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	40	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°	16361	16361	16361	16361	16361
5°	21524	19899	16182	13554	12707
10°	26634	23189	15669	11437	10178
15°	31309	25479	14781	9664	8380
20°	34969	27015	13801	8211	6983
25°	37188	27573	12675	7069	6043
30°	38043	26986	11494	6145	5250
35°	37297	25419	10260	5550	4709
40°	35139	23359	9263	5036	4227
45°	31736	21165	8281	4579	3921
50°	25695	18594	7207	4314	3590
55°	18706	16004	6185	4023	3243
60°	14501	12641	5546	3720	2928
65°	10962	9128	4564	3301	2201
70°	7654	6546	3374	2467	1360
75°	4458	3859	1797	1198	266
80°	893	1289	397	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 31736 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.3	4.4
10°-20°	27.7	13.0
20°-30°	41.7	19.6
30°-40°	46.4	21.8
40°-50°	41.1	19.3
50°-60°	27.9	13.1
60°-70°	14.6	6.9
70°-80°	4.1	1.9
80°-90°	0.1	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°	78.7	37.0
0°-40°	125.1	58.7
0°-60°	194.1	91.1
0°-90°	213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	213.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	95	95	95	95	95	
5°	124	115	94	78	74	13
15°	176	143	83	54	47	50
25°	196	145	67	37	32	90
35°	177	121	49	26	22	110
45°	130	87	34	19	16	99
55°	62	53	21	13	11	58
65°	27	22	11	8	5	27
75°	7	6	3	2	0	7
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°	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2.5°	109.3	108.8	108.4	108.4	108.0	107.5	106.6	106.6	105.7	104.8	103.9
5°	124.5	124.5	124.5	123.2	123.2	121.4	120.5	118.7	116.9	115.1	112.9
7.5°	139.8	139.8	138.4	138.0	136.6	134.8	133.5	130.8	127.7	125.0	121.4
10°	152.3	152.3	151.0	150.1	147.4	145.6	142.9	139.8	136.6	132.6	128.1
12.5°	163.5	163.9	162.2	160.4	157.7	155.0	151.4	147.4	143.3	138.9	133.0
15°	175.6	175.1	172.9	170.7	167.5	163.5	159.0	153.6	148.3	142.9	136.6
17.5°	184.5	184.1	181.9	179.2	175.1	170.2	165.3	159.0	152.7	146.0	138.4
20°	190.8	190.4	188.1	184.5	180.5	175.1	169.3	162.2	155.4	147.4	138.9
22.5°	194.4	194.0	191.3	188.1	183.2	177.4	171.1	163.5	155.9	147.4	138.0
25°	195.7	194.9	192.2	188.6	183.7	177.4	170.2	162.2	154.1	145.1	135.3
27.5°	194.9	194.0	190.8	186.8	181.4	174.2	167.1	159.0	150.5	141.5	131.2
30°	191.3	189.9	187.2	183.2	177.4	170.2	162.6	154.1	145.1	135.7	125.4
32.5°	185.0	184.1	181.4	176.9	171.1	163.9	156.3	147.4	138.4	129.0	118.7
35°	177.4	175.6	172.9	168.9	163.0	155.9	148.3	138.9	130.3	120.9	111.1
37.5°	166.6	166.2	163.0	159.9	154.1	146.5	139.3	130.3	121.8	112.9	103.0
40°	156.3	155.4	152.7	149.2	143.3	136.6	129.0	120.9	112.4	103.9	95.0
42.5°	144.7	143.3	141.5	138.0	132.6	125.9	118.7	110.6	103.0	95.0	86.9
45°	130.3	129.9	127.7	125.9	120.9	115.1	108.0	100.8	93.2	86.9	80.6
47.5°	112.0	111.5	111.1	109.7	107.1	103.0	97.7	90.9	85.1	78.8	70.3
50°	95.9	95.4	94.5	94.1	91.8	89.6	85.6	81.5	76.6	69.4	62.7
52.5°	76.1	76.6	77.9	78.4	77.9	76.1	74.4	73.0	66.3	61.8	55.5
55°	62.3	62.3	61.8	62.3	62.7	63.6	63.6	61.8	57.3	53.3	47.9
57.5°	51.1	51.1	51.1	51.1	51.1	51.5	51.5	51.1	48.8	44.8	39.9
60°	42.1	41.7	41.7	42.1	41.7	41.7	42.1	42.1	39.9	36.7	32.3
62.5°	34.0	34.0	34.0	33.6	33.6	34.0	34.0	33.6	31.8	28.7	25.5
65°	26.9	26.9	26.9	26.9	26.9	27.3	26.9	26.4	24.6	22.4	20.2
67.5°	20.6	20.6	21.1	20.6	21.1	21.1	21.1	20.2	18.8	17.0	15.7
70°	15.2	15.2	15.2	15.7	16.1	16.1	15.7	14.8	13.9	13.0	11.6
72.5°	10.3	10.8	10.8	10.8	11.2	11.2	10.8	10.3	9.9	9.0	8.5
75°	6.7	6.3	6.7	6.7	7.2	7.2	6.7	6.7	6.3	5.8	5.4
77.5°	3.1	3.1	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.1	3.1
80°	0.9	0.9	0.9	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2.5°	103.0	101.7	99.9	95.0	90.5	86.5	84.2	83.8
5°	110.2	108.4	103.9	93.6	85.1	78.4	74.4	73.5
7.5°	117.8	114.2	108.0	91.8	79.7	71.2	66.7	65.4
10°	123.6	119.2	110.6	89.6	74.4	65.4	60.0	58.2
12.5°	127.7	122.3	112.9	86.9	69.9	59.1	53.8	52.0
15°	129.9	124.1	113.3	82.9	64.5	54.2	48.4	47.0
17.5°	130.8	124.1	112.4	79.7	59.6	49.3	43.9	42.1
20°	130.3	122.3	110.2	75.3	55.1	44.8	39.4	38.1
22.5°	128.6	119.6	106.6	70.8	50.6	40.3	35.8	34.9
25°	125.9	116.0	102.6	66.7	46.6	37.2	32.7	31.8
27.5°	121.4	111.5	97.2	62.3	43.0	34.0	30.0	28.7
30°	115.6	106.2	91.8	57.8	39.4	30.9	27.3	26.4
32.5°	109.3	99.9	86.5	53.3	36.3	28.7	25.1	24.2
35°	102.1	93.2	79.7	48.8	33.1	26.4	22.8	22.4
37.5°	95.0	86.0	73.9	45.2	30.5	24.2	21.1	20.6
40°	86.9	79.7	70.8	41.2	28.2	22.4	19.7	18.8
42.5°	82.0	72.1	60.9	37.6	26.0	20.6	17.9	17.5
45°	71.2	64.1	55.1	34.0	23.7	18.8	16.6	16.1
47.5°	64.1	57.8	49.3	30.5	21.9	17.5	15.2	14.8
50°	56.9	51.1	43.0	26.9	20.2	16.1	13.9	13.4
52.5°	49.7	43.9	36.7	23.7	17.9	14.8	12.5	12.1
55°	42.6	37.2	30.5	20.6	16.1	13.4	11.6	10.8
57.5°	34.9	30.5	26.0	18.4	14.3	12.1	10.3	9.4
60°	28.2	25.5	21.9	16.1	12.5	10.8	9.0	8.5
62.5°	22.8	20.6	18.4	13.9	11.2	9.4	8.1	6.7
65°	18.4	17.0	15.2	11.2	9.4	8.1	6.7	5.4
67.5°	14.3	13.4	12.1	9.4	7.6	6.7	4.9	4.0
70°	11.2	10.3	9.4	6.7	5.8	4.9	3.6	2.7
72.5°	8.1	7.2	6.7	4.9	4.0	3.6	2.2	1.3
75°	4.9	4.9	4.0	2.7	2.2	1.8	0.9	0.4
77.5°	2.7	2.7	2.2	1.3	1.3	0.4	0.0	0.0
80°	1.3	0.9	0.9	0.4	0.4	0.0	0.0	0.0
82.5°	0.4	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)