

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: P1315538

Luminaire Tested: LDSQA3D09R709735DE010 3LSQCLDWWR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315538  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R709735DE010 3LSQCLDWWR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , 3LSQCLDWWR1MMS T  
Light Source: -  
Ballast/Driver: -

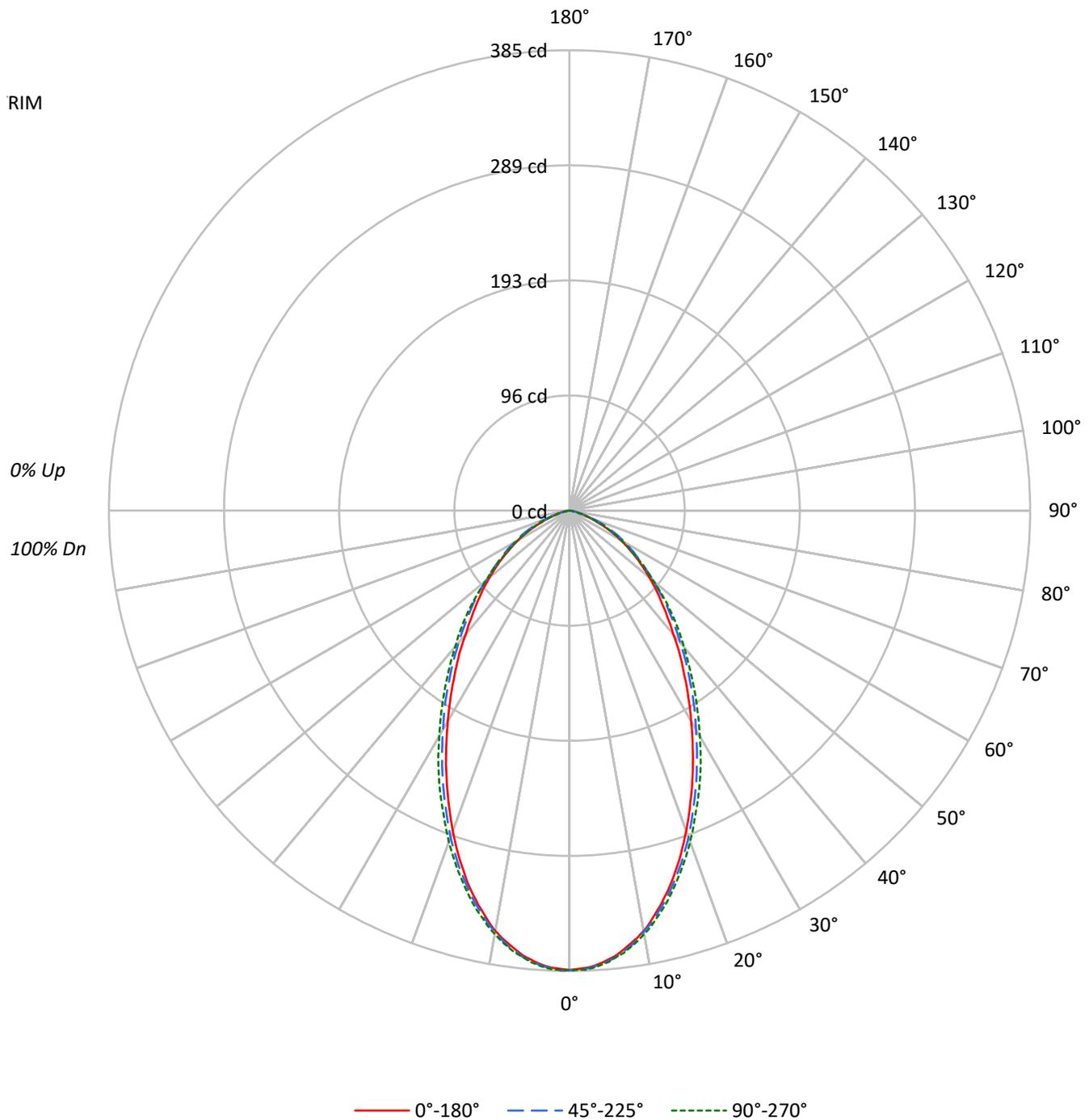
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 550.0 lumens  
Efficiency: N/A  
Efficacy: 49.5 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1  
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 (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	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	91	91	91	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	80	80	80	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	64	64	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	52	52	52	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	47	47	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	40	40	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

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

	0°	45°	90°
0°	66168	66168	66168
5°	65124	65349	65470
10°	62414	62537	62887
15°	57911	58393	58892
20°	52270	53278	54030
25°	46290	47583	48761
30°	40449	42060	43293
35°	35153	37024	38159
40°	30373	32374	33453
45°	26597	28423	29252
50°	23390	24489	24489
55°	20298	21319	20688
60°	17153	18324	17394
65°	13366	15282	13896
70°	9618	11330	9618
75°	7253	6787	5456
80°	4761	3372	1389
85°	1383	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 29252 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.4	6.4
10°-20°	91.4	16.6
20°-30°	114.8	20.9
30°-40°	109.6	19.9
40°-50°	89.1	16.2
50°-60°	62.4	11.3
60°-70°	35.2	6.4
70°-80°	11.2	2.0
80°-90°	0.9	0.2
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°	241.6	43.9
0°-40°	351.2	63.9
0°-60°	502.7	91.4
0°-90°	550.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	550.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	384	384	384	384	384	
5°	377	377	378	377	379	35
15°	325	326	328	328	330	91
25°	244	246	250	254	257	112
35°	167	170	176	180	182	105
45°	109	112	117	119	120	85
55°	68	68	71	70	69	61
65°	33	35	38	36	34	33
75°	11	11	10	9	8	12
85°	1	1	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	384.2	384.2	384.2	384.2	384.2
1°	383.5	384.2	384.9	383.5	384.2
2°	382.8	383.5	383.5	382.8	384.2
3°	381.5	382.1	382.1	381.5	382.8
4°	379.4	380.1	380.1	379.4	380.8
5°	376.7	377.4	378.0	377.4	378.7
6°	374.0	374.6	375.3	374.6	375.3
7°	369.9	371.2	371.2	371.2	372.6
8°	365.8	367.1	367.8	367.1	368.5
9°	361.7	362.4	363.0	363.0	364.4
10°	356.9	357.6	357.6	358.3	359.6
11°	351.4	351.4	352.8	352.8	354.8
12°	344.6	345.3	346.7	347.3	348.7
13°	338.5	339.2	340.5	341.2	343.2
14°	331.6	333.0	334.4	335.1	337.1
15°	324.8	325.5	327.5	328.2	330.3
17.5°	305.7	306.4	309.8	311.2	313.2
20°	285.2	287.3	290.7	292.7	294.8
22.5°	264.1	266.1	270.2	273.6	275.0
25°	243.6	246.3	250.4	254.5	256.6
27.5°	223.1	225.9	230.6	234.7	237.5
30°	203.4	206.1	211.5	215.0	217.7
32.5°	184.9	187.7	193.8	197.2	199.3
35°	167.2	169.9	176.1	179.5	181.5
37.5°	151.5	154.2	159.7	163.1	164.5
40°	135.1	138.5	144.0	147.4	148.8
42.5°	121.5	124.2	129.7	132.4	134.4
45°	109.2	111.9	116.7	118.7	120.1
47.5°	98.3	99.6	103.7	104.4	105.8
50°	87.3	88.7	91.4	92.1	91.4
52.5°	77.1	78.5	80.5	79.8	79.8
55°	67.6	68.2	71.0	69.6	68.9
57.5°	58.0	59.4	62.1	60.1	59.4
60°	49.8	51.2	53.2	51.9	50.5
62.5°	41.6	42.3	45.7	43.0	41.6
65°	32.8	34.8	37.5	35.5	34.1
67.5°	24.6	28.0	30.7	28.0	26.6
70°	19.1	20.5	22.5	21.2	19.1
72.5°	14.3	15.0	15.7	14.3	13.0
75°	10.9	10.9	10.2	8.9	8.2
77.5°	7.5	7.5	6.1	4.1	4.1
80°	4.8	4.8	3.4	1.4	1.4
82.5°	2.0	2.0	1.4	0.7	0.7
85°	0.7	0.7	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)