

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: P1312473

Luminaire Tested: LDSQA3D09R709050DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312473  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R709050DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

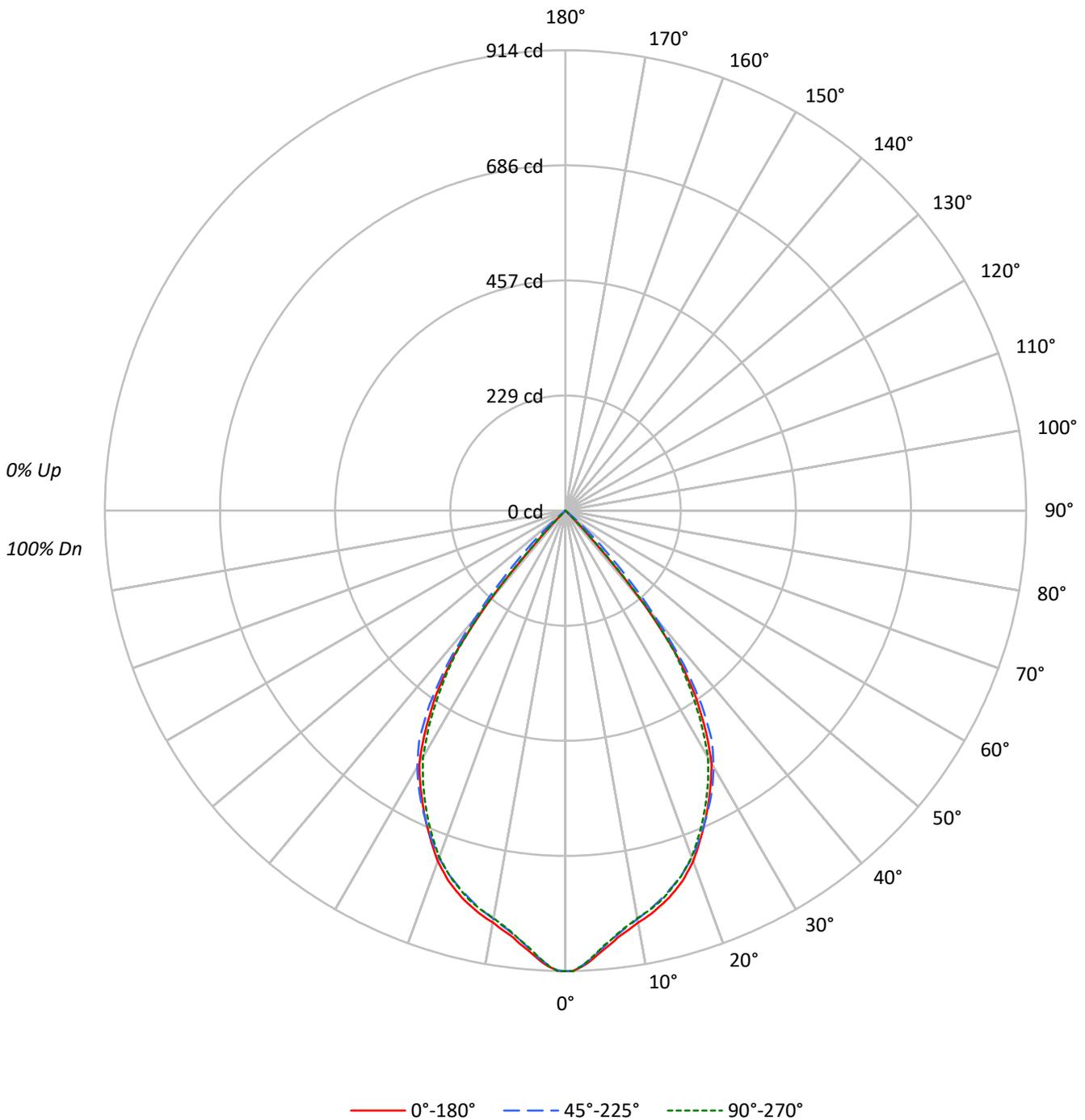
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 946.0 lumens  
Efficiency: N/A  
Efficacy: 85.2 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
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				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	100				100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93				93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86				86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80				80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74				74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68				68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63				63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59				59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51				51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48				48

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

	0°	45°	90°
0°	157480	157480	157480
5°	151167	150337	149922
10°	145220	143961	143681
15°	141783	139786	140071
20°	135770	134451	134158
25°	126026	126330	124353
30°	115342	116933	112478
35°	94358	98899	90658
40°	54317	63310	55756
45°	779	26304	2728
50°	0	2786	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 26304 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.6	8.6
10°-20°	221.1	23.4
20°-30°	303.7	32.1
30°-40°	275.4	29.1
40°-50°	64.0	6.8
50°-60°	0.3	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	606.3	64.1
0°-40°	881.7	93.2
0°-60°	946.0	100.0
0°-90°	946.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	946.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	914	914	914	914	914	
5°	874	872	870	868	867	82
15°	795	790	784	784	786	223
25°	663	666	665	658	654	304
35°	449	455	470	450	431	270
45°	3	36	108	46	11	39
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	914.4	914.4	914.4	914.4	914.4
1°	913.6	912.0	912.8	913.6	914.4
2°	906.4	904.8	904.8	905.6	905.6
3°	897.6	894.4	894.4	893.6	893.6
4°	885.6	883.2	881.6	880.8	880.8
5°	874.4	872.0	869.6	868.0	867.2
6°	864.8	860.8	857.6	856.8	857.6
7°	853.6	851.2	848.0	845.6	846.4
8°	845.6	842.4	838.4	836.8	836.8
9°	838.4	835.2	831.2	828.0	829.6
10°	830.4	827.2	823.2	820.8	821.6
11°	824.8	820.8	816.0	814.4	815.2
12°	818.4	813.6	808.8	808.0	809.6
13°	810.4	805.6	800.8	800.8	802.4
14°	803.2	797.6	792.8	792.8	795.2
15°	795.2	789.6	784.0	784.0	785.6
17.5°	771.2	766.4	760.8	760.8	761.6
20°	740.8	738.4	733.6	731.2	732.0
22.5°	702.4	702.4	700.0	696.0	694.4
25°	663.2	666.4	664.8	658.4	654.4
27.5°	622.4	628.0	628.8	619.2	612.0
30°	580.0	584.8	588.0	576.8	565.6
32.5°	517.6	532.0	540.0	524.8	501.6
35°	448.8	455.2	470.4	450.4	431.2
37.5°	364.8	372.8	385.6	369.6	358.4
40°	241.6	273.6	281.6	273.6	248.0
42.5°	87.2	153.6	184.8	156.8	102.4
45°	3.2	36.0	108.0	46.4	11.2
47.5°	0.0	0.8	48.8	1.6	0.0
50°	0.0	0.0	10.4	0.0	0.0
52.5°	0.0	0.0	0.8	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	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)