

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: P1314564

Luminaire Tested: LDSQA3D09R709730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314564  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R709730DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

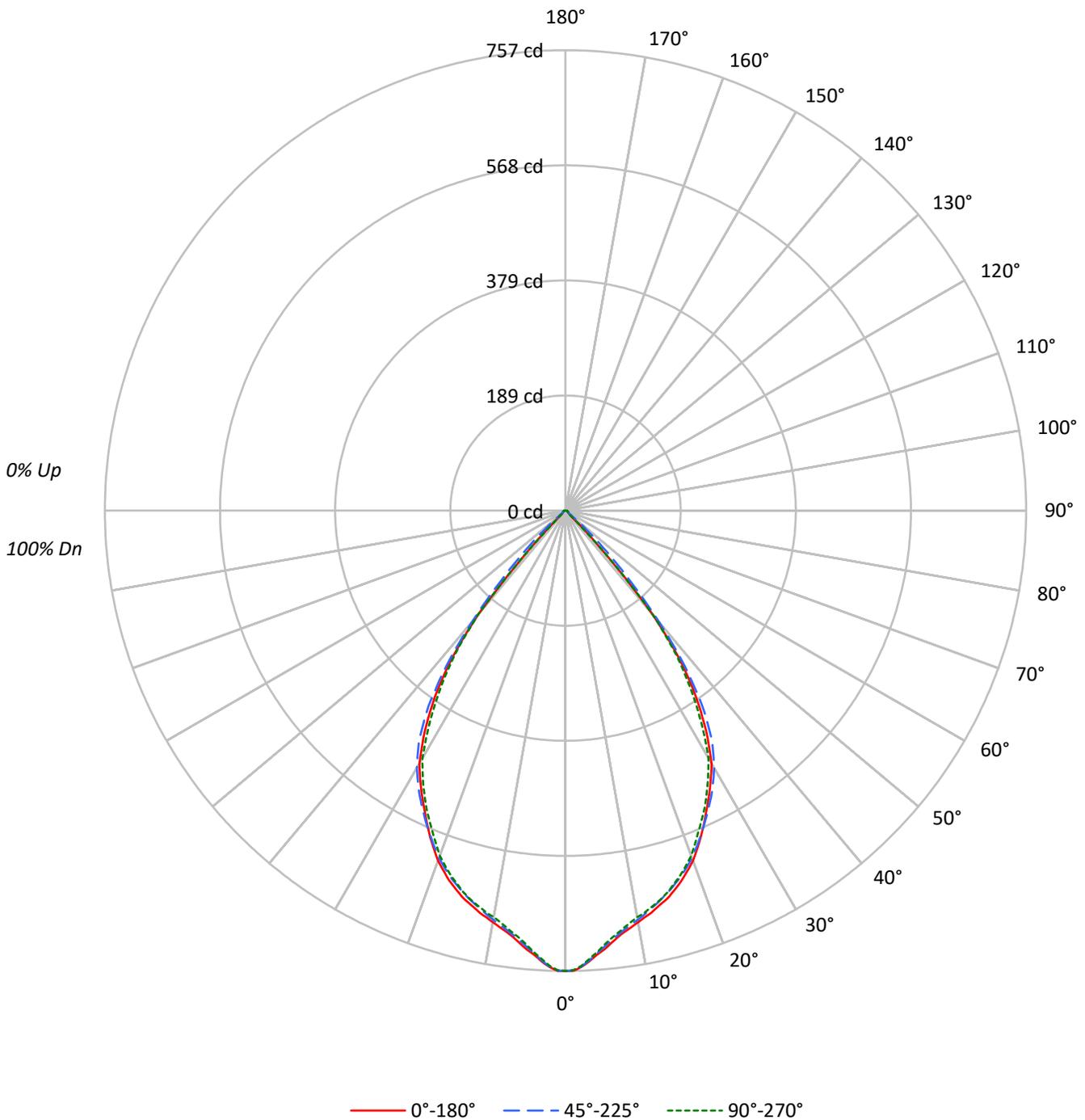
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 807.0 lumens  
Efficiency: N/A  
Efficacy: 72.7 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.98 / 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				
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	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86	86	86	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	79	79	79	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	67	67	67	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	62	62	62	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58	58	58	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54	54	54	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50	50	50	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	47	47	47	47

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

	0°	45°	90°
0°	130355	130355	130355
5°	125287	124612	124163
10°	120195	119513	118708
15°	117177	115876	115769
20°	112275	111432	110698
25°	103945	104686	102690
30°	95475	97166	93507
35°	78737	82458	75709
40°	50135	53957	50135
45°	3507	23333	3824
50°	1581	4742	1581
55°	1772	1772	1772
60°	1791	1791	1791
65°	1589	1875	1589
70°	1662	1964	1662
75°	1730	1730	1730
80°	1984	1984	1984
85°	1383	2569	1383

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 23333 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.5	8.4
10°-20°	182.8	22.7
20°-30°	251.3	31.1
30°-40°	230.2	28.5
40°-50°	61.1	7.6
50°-60°	5.4	0.7
60°-70°	4.4	0.5
70°-80°	3.0	0.4
80°-90°	1.1	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°	501.7	62.2
0°-40°	731.9	90.7
0°-60°	798.5	98.9
0°-90°	807.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	807.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	757	757	757	757	757	
5°	725	721	721	720	718	68
15°	657	651	650	650	649	184
25°	547	549	551	544	540	251
35°	374	380	392	374	360	227
45°	14	49	96	50	16	43
55°	6	6	6	6	6	5
65°	4	5	5	5	4	4
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	756.9	756.9	756.9	756.9	756.9
1°	756.9	755.5	756.9	756.9	755.5
2°	750.9	749.6	750.3	749.6	749.0
3°	742.4	740.5	741.1	739.8	738.5
4°	732.6	730.6	730.6	730.0	728.7
5°	724.7	721.4	720.8	719.5	718.2
6°	715.5	712.3	711.6	709.6	708.3
7°	706.4	703.7	703.1	700.4	700.4
8°	699.1	695.9	695.9	692.6	692.6
9°	693.2	689.3	689.3	686.7	685.4
10°	687.3	683.4	683.4	680.1	678.8
11°	681.4	678.1	676.8	674.9	674.2
12°	676.2	671.6	670.3	669.6	668.3
13°	669.6	665.0	663.7	663.1	662.4
14°	663.7	657.8	657.2	655.9	656.5
15°	657.2	651.3	649.9	649.9	649.3
17.5°	636.8	632.9	630.9	629.6	628.3
20°	612.6	609.3	608.0	605.4	604.0
22.5°	581.1	580.4	579.8	576.5	571.2
25°	547.0	548.9	550.9	544.4	540.4
27.5°	514.2	519.4	521.4	514.8	506.3
30°	480.1	484.7	488.6	479.4	470.2
32.5°	430.9	442.0	447.9	437.5	416.5
35°	374.5	380.4	392.2	374.5	360.1
37.5°	308.9	312.2	321.4	309.6	299.7
40°	223.0	232.8	240.0	232.8	223.0
42.5°	100.3	140.4	158.7	148.2	104.9
45°	14.4	49.2	95.8	49.8	15.7
47.5°	5.9	7.9	49.8	7.2	5.9
50°	5.9	5.9	17.7	5.9	5.9
52.5°	5.9	5.9	6.6	5.9	5.9
55°	5.9	5.9	5.9	5.9	5.9
57.5°	5.2	5.2	5.9	5.2	5.2
60°	5.2	5.2	5.2	5.2	5.2
62.5°	4.6	5.2	5.2	5.2	4.6
65°	3.9	4.6	4.6	4.6	3.9
67.5°	3.9	3.9	3.9	3.9	3.9
70°	3.3	3.9	3.9	3.9	3.3
72.5°	3.3	3.3	3.3	3.3	3.3
75°	2.6	2.6	2.6	2.6	2.6
77.5°	2.0	2.6	2.6	2.6	2.0
80°	2.0	2.0	2.0	2.0	2.0
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.7	1.3	1.3	1.3	0.7
87.5°	0.7	0.7	0.7	0.7	0.7



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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)