

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: P1313434

Luminaire Tested: LDSQA3D05R709727DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313434  
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: LDSQA3D05R709727DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

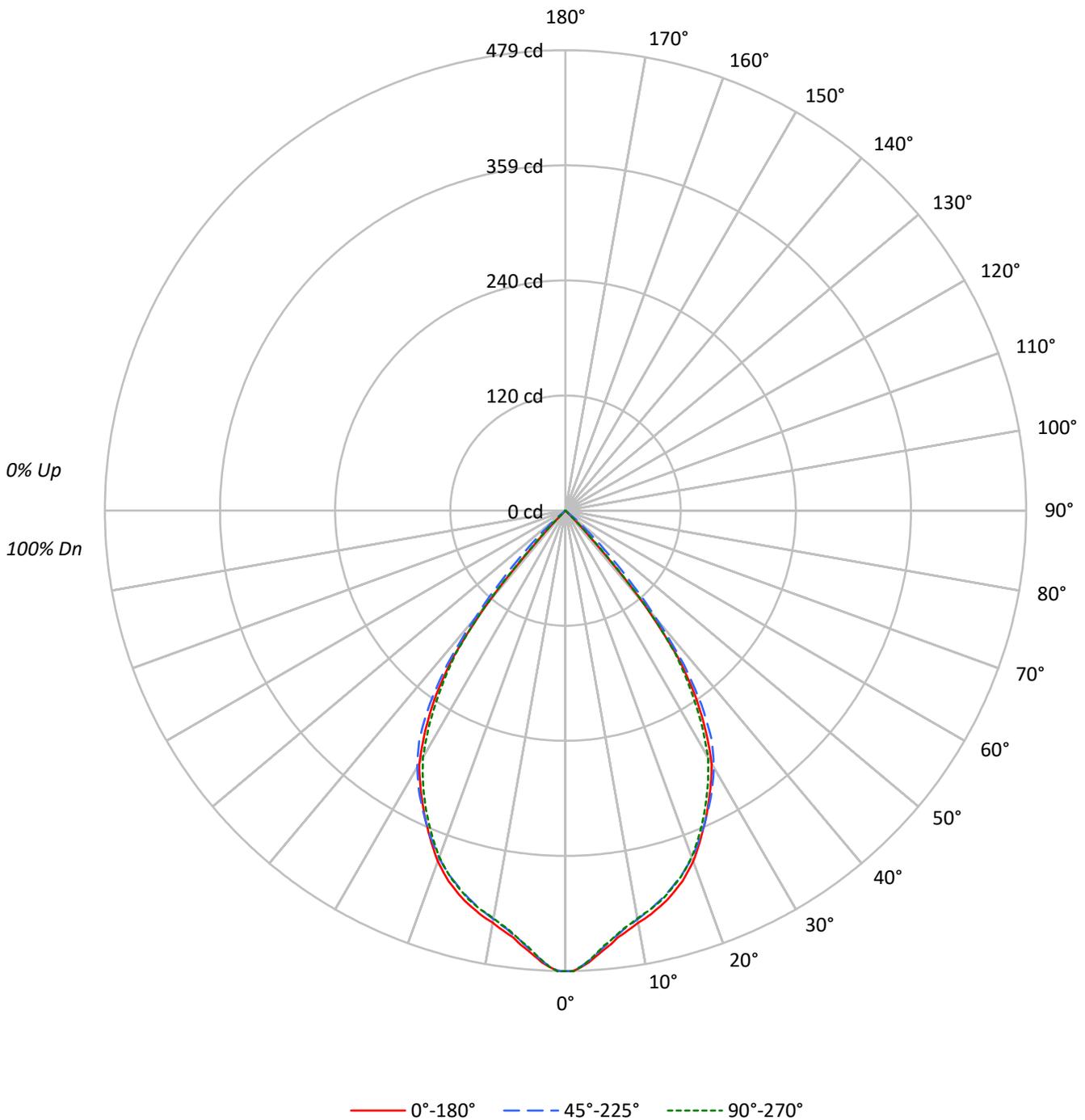
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 496.0 lumens  
Efficiency: N/A  
Efficacy: 68.9 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): 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				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°	82564	82564	82564
5°	79266	78816	78609
10°	76143	75478	75338
15°	74332	73298	73441
20°	71184	70488	70341
25°	66072	66243	65198
30°	60475	61310	58964
35°	49471	51846	47536
40°	28485	33184	29227
45°	414	13785	1437
50°	0	1474	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: 13785 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.8	8.6
10°-20°	115.9	23.4
20°-30°	159.2	32.1
30°-40°	144.4	29.1
40°-50°	33.6	6.8
50°-60°	0.2	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°	317.9	64.1
0°-40°	462.3	93.2
0°-60°	496.0	100.0
0°-90°	496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	496.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	479	479	479	479	479	
5°	458	457	456	455	455	43
15°	417	414	411	411	412	117
25°	348	349	349	345	343	160
35°	235	239	247	236	226	141
45°	2	19	57	24	6	20
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°	479.4	479.4	479.4	479.4	479.4
1°	479.0	478.2	478.6	479.0	479.4
2°	475.2	474.4	474.4	474.8	474.8
3°	470.6	468.9	468.9	468.5	468.5
4°	464.3	463.1	462.2	461.8	461.8
5°	458.5	457.2	455.9	455.1	454.7
6°	453.4	451.3	449.6	449.2	449.6
7°	447.5	446.3	444.6	443.4	443.8
8°	443.4	441.7	439.6	438.7	438.7
9°	439.6	437.9	435.8	434.1	435.0
10°	435.4	433.7	431.6	430.4	430.8
11°	432.4	430.4	427.8	427.0	427.4
12°	429.1	426.6	424.1	423.6	424.5
13°	424.9	422.4	419.9	419.9	420.7
14°	421.1	418.2	415.7	415.7	416.9
15°	416.9	414.0	411.1	411.1	411.9
17.5°	404.3	401.8	398.9	398.9	399.3
20°	388.4	387.1	384.6	383.4	383.8
22.5°	368.3	368.3	367.0	364.9	364.1
25°	347.7	349.4	348.6	345.2	343.1
27.5°	326.3	329.3	329.7	324.7	320.9
30°	304.1	306.6	308.3	302.4	296.5
32.5°	271.4	278.9	283.1	275.2	263.0
35°	235.3	238.7	246.6	236.1	226.1
37.5°	191.3	195.5	202.2	193.8	187.9
40°	126.7	143.5	147.6	143.5	130.0
42.5°	45.7	80.5	96.9	82.2	53.7
45°	1.7	18.9	56.6	24.3	5.9
47.5°	0.0	0.4	25.6	0.8	0.0
50°	0.0	0.0	5.5	0.0	0.0
52.5°	0.0	0.0	0.4	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)