

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: P1307884

Luminaire Tested: LDSQA3D05R709027DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307884  
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: LDSQA3D05R709027DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

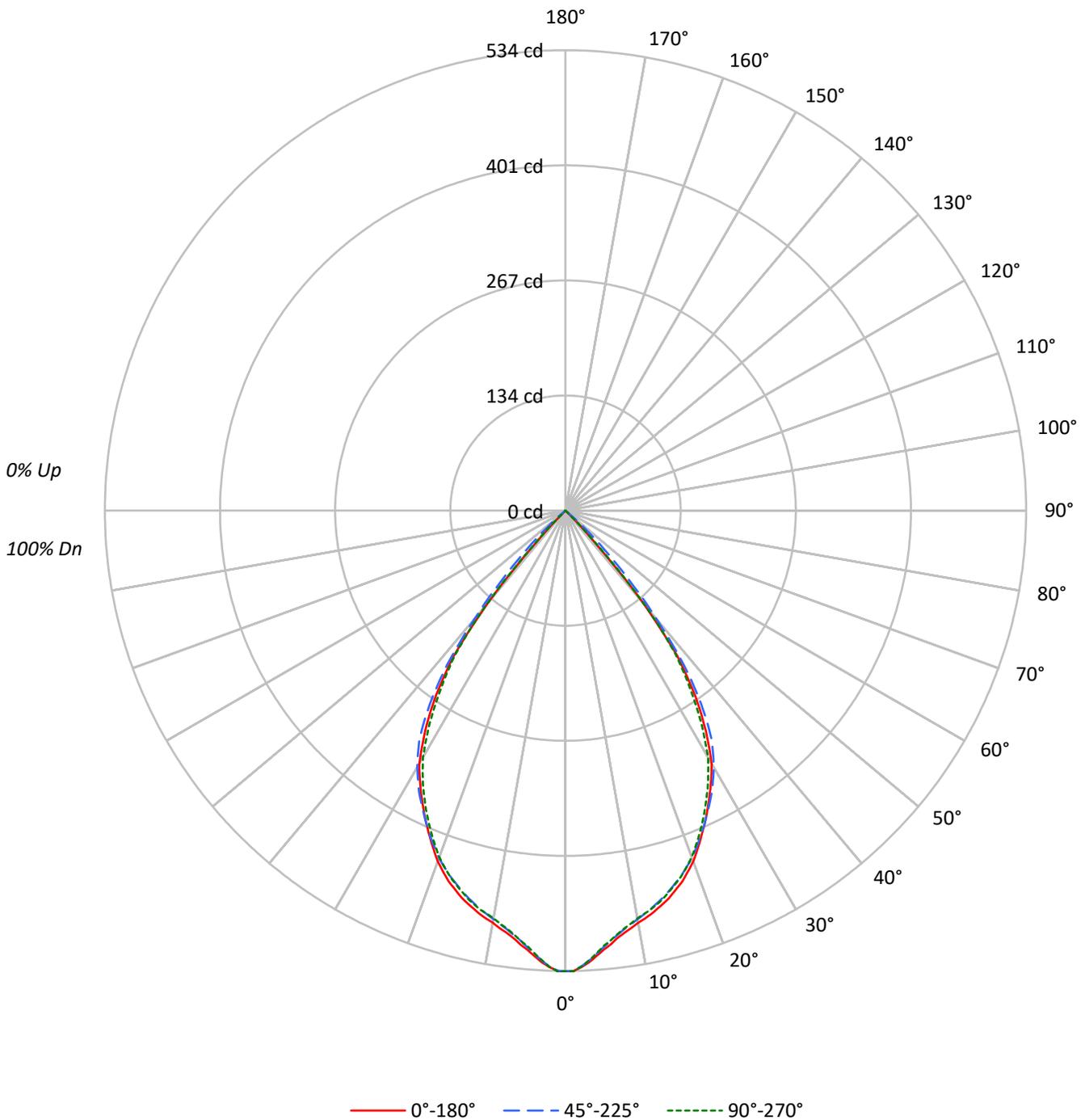
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 553.0 lumens  
Efficiency: N/A  
Efficacy: 76.8 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 (Ain): 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			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86			
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80			
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74			
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68			
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63			
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55			
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51			
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48			

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

	0°	45°	90°
0°	92053	92053	92053
5°	88359	87875	87633
10°	84886	84152	83995
15°	82873	81714	81874
20°	79358	78589	78424
25°	73673	73844	72685
30°	67415	68350	65745
35°	55168	57817	53003
40°	31745	37005	32599
45°	463	15369	1583
50°	0	1634	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: 15369 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.7	8.6
10°-20°	129.2	23.4
20°-30°	177.5	32.1
30°-40°	161.0	29.1
40°-50°	37.4	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°	354.4	64.1
0°-40°	515.4	93.2
0°-60°	553.0	100.0
0°-90°	553.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	553.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	534	534	534	534	534	
5°	511	510	508	507	507	48
15°	465	462	458	458	459	130
25°	388	390	389	385	382	178
35°	262	266	275	263	252	158
45°	2	21	63	27	6	23
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°	534.5	534.5	534.5	534.5	534.5
1°	534.1	533.1	533.6	534.1	534.5
2°	529.8	528.9	528.9	529.4	529.4
3°	524.7	522.8	522.8	522.4	522.4
4°	517.7	516.3	515.3	514.9	514.9
5°	511.1	509.7	508.3	507.4	506.9
6°	505.5	503.2	501.3	500.9	501.3
7°	499.0	497.6	495.7	494.3	494.8
8°	494.3	492.4	490.1	489.2	489.2
9°	490.1	488.2	485.9	484.0	485.0
10°	485.4	483.5	481.2	479.8	480.3
11°	482.1	479.8	477.0	476.1	476.5
12°	478.4	475.6	472.8	472.3	473.3
13°	473.7	470.9	468.1	468.1	469.1
14°	469.5	466.2	463.4	463.4	464.8
15°	464.8	461.6	458.3	458.3	459.2
17.5°	450.8	448.0	444.7	444.7	445.2
20°	433.0	431.6	428.8	427.4	427.9
22.5°	410.6	410.6	409.2	406.9	405.9
25°	387.7	389.6	388.6	384.9	382.5
27.5°	363.8	367.1	367.6	362.0	357.8
30°	339.0	341.9	343.7	337.2	330.6
32.5°	302.6	311.0	315.7	306.8	293.2
35°	262.4	266.1	275.0	263.3	252.1
37.5°	213.2	217.9	225.4	216.1	209.5
40°	141.2	159.9	164.6	159.9	145.0
42.5°	51.0	89.8	108.0	91.7	59.9
45°	1.9	21.0	63.1	27.1	6.5
47.5°	0.0	0.5	28.5	0.9	0.0
50°	0.0	0.0	6.1	0.0	0.0
52.5°	0.0	0.0	0.5	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)