

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: P1306633

Luminaire Tested: LDSQA3D02R209024DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306633  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R209024DE010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

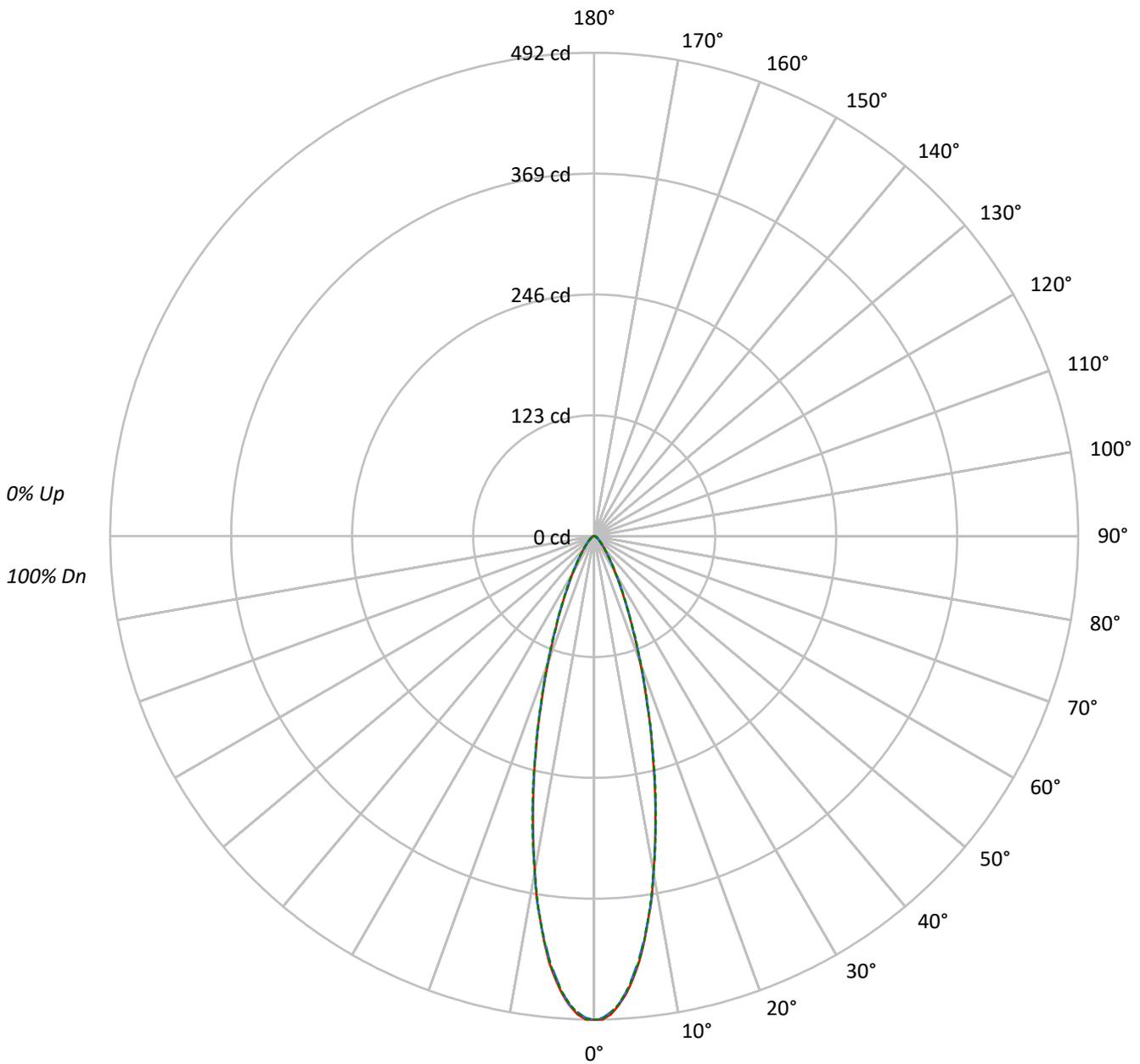
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 173.0 lumens  
Efficiency: N/A  
Efficacy: 48.1 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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



0% Up  
100% Dn

— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	73	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	71	67	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	68	65	62	61

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

	0°	45°	90°
0°	84785	84785	84785
5°	78211	77762	78021
10°	60701	60771	60771
15°	41026	41222	41222
20°	24907	25237	25347
25°	14613	14822	14784
30°	8531	8690	8750
35°	5214	5340	5340
40°	3395	3440	3485
45°	2363	2411	2460
50°	1742	1795	1795
55°	1351	1411	1411
60°	1171	1171	1274
65°	1060	1060	1141
70°	957	957	957
75°	865	865	865
80°	595	595	893
85°	395	395	790

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 2460 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.7	22.9
10°-20°	63.6	36.7
20°-30°	36.8	21.3
30°-40°	16.5	9.5
40°-50°	7.8	4.5
50°-60°	4.3	2.5
60°-70°	2.6	1.5
70°-80°	1.4	0.8
80°-90°	0.3	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°	140.1	81.0
0°-40°	156.6	90.5
0°-60°	168.7	97.5
0°-90°	173.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	173.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	492	492	492	492	492	
5°	452	451	450	451	451	40
15°	230	230	231	230	231	63
25°	77	77	78	77	78	36
35°	25	25	25	26	25	16
45°	10	10	10	10	10	8
55°	4	4	5	5	5	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
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°	492.3	492.3	492.3	492.3	492.3
1°	492.1	490.8	490.3	489.9	491.2
2°	487.1	485.6	484.7	485.2	485.4
3°	478.3	477.4	477.4	476.8	477.2
4°	466.9	465.1	465.1	465.4	465.4
5°	452.4	450.9	449.8	450.7	451.3
6°	436.3	434.3	433.5	433.7	435.2
7°	416.4	413.9	414.3	415.4	415.4
8°	394.0	393.8	394.3	393.8	394.3
9°	373.4	370.3	372.9	370.8	371.9
10°	347.1	346.9	347.5	348.2	347.5
12.5°	287.2	288.3	288.7	287.8	289.8
15°	230.1	230.1	231.2	230.1	231.2
17.5°	179.0	178.8	179.7	178.8	180.1
20°	135.9	137.5	137.7	137.7	138.3
22.5°	102.6	102.6	103.4	103.6	103.2
25°	76.9	76.9	78.0	77.3	77.8
27.5°	56.9	57.3	58.2	58.6	58.6
30°	42.9	43.1	43.7	44.0	44.0
32.5°	32.3	32.7	33.2	33.4	33.6
35°	24.8	25.0	25.4	25.6	25.4
37.5°	19.0	19.2	19.6	19.8	19.8
40°	15.1	15.1	15.3	15.5	15.5
42.5°	11.8	12.1	12.1	12.3	12.3
45°	9.7	9.7	9.9	9.9	10.1
47.5°	7.8	7.8	8.0	8.2	8.2
50°	6.5	6.5	6.7	6.7	6.7
52.5°	5.4	5.4	5.6	5.6	5.6
55°	4.5	4.5	4.7	4.7	4.7
57.5°	3.9	3.9	4.1	4.1	4.1
60°	3.4	3.4	3.4	3.4	3.7
62.5°	3.0	3.0	3.0	3.0	3.0
65°	2.6	2.6	2.6	2.6	2.8
67.5°	2.2	2.2	2.2	2.2	2.4
70°	1.9	1.9	1.9	1.9	1.9
72.5°	1.5	1.5	1.5	1.7	1.7
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.6	0.6	0.6	0.9	0.9
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)