

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: P1310194

Luminaire Tested: LDSQA3D09R309035DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310194  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R309035DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

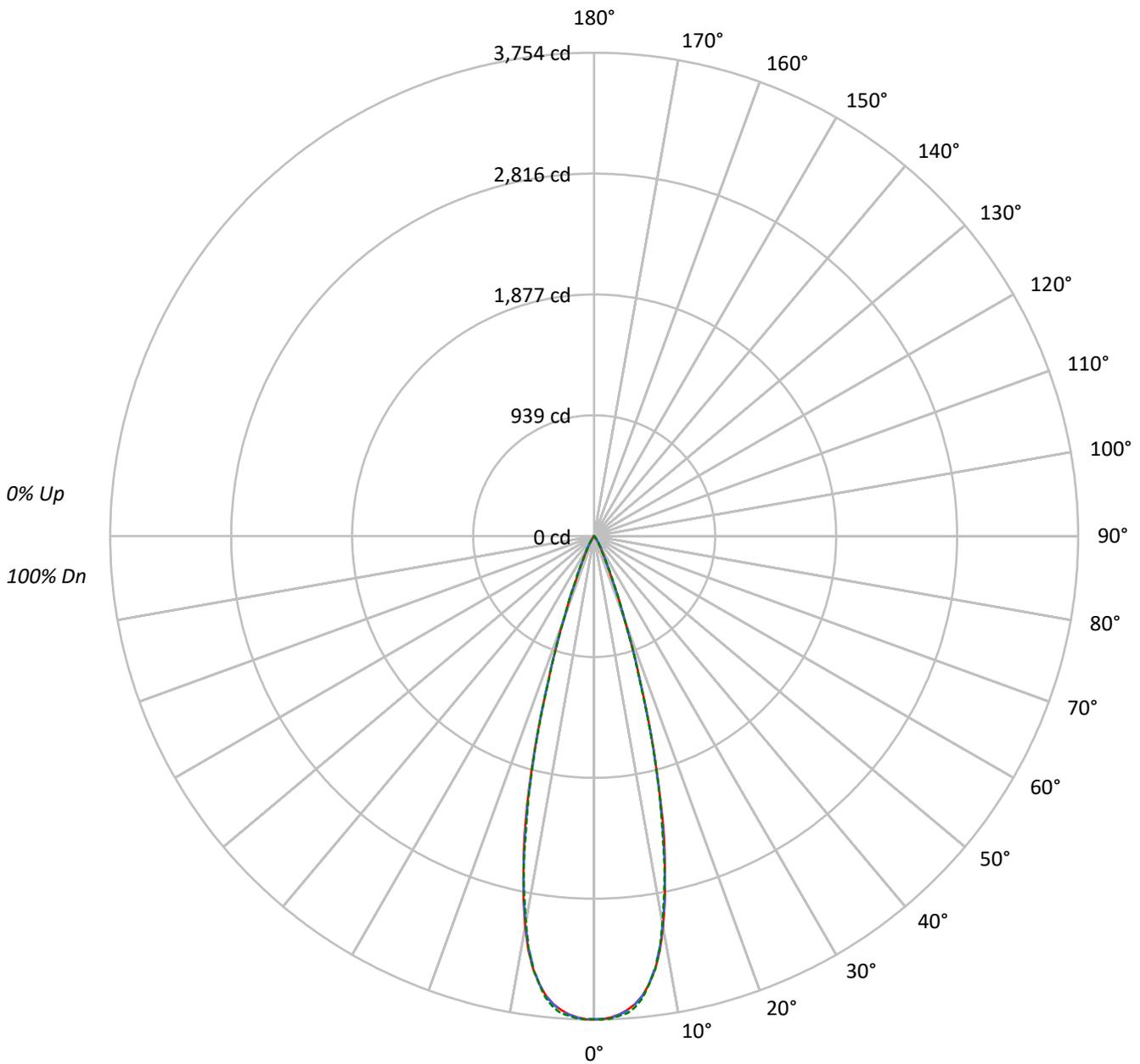
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 968.0 lumens  
Efficiency: N/A  
Efficacy: 87.2 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
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 (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°-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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	97	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	91	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	88	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	86	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	83	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	81	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	79	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	75	75

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

	0°	45°	90°
0°	646093	646093	646093
5°	630340	631118	634627
10°	538349	535848	532683
15°	332223	328336	329530
20°	125562	126258	126112
25°	38632	42338	40343
30°	15571	19767	16168
35°	4583	8389	4752
40°	1866	3395	1866
45°	365	1096	365
50°	0	214	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: 1096 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	330.9	34.2
10°-20°	489.9	50.6
20°-30°	121.5	12.6
30°-40°	22.8	2.4
40°-50°	2.9	0.3
50°-60°	0.0	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°	942.3	97.3
0°-40°	965.1	99.7
0°-60°	968.0	100.0
0°-90°	968.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	968.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3752	3752	3752	3752	3752	
5°	3646	3645	3651	3657	3671	331
15°	1863	1845	1842	1856	1848	492
25°	203	217	223	222	212	117
35°	22	29	40	29	23	18
45°	2	2	4	3	2	2
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°	3751.5	3751.5	3751.5	3751.5	3751.5
1°	3753.0	3749.9	3749.9	3745.4	3753.7
2°	3739.4	3736.4	3741.7	3737.9	3748.4
3°	3719.1	3715.3	3722.8	3725.1	3730.4
4°	3689.0	3686.0	3694.2	3698.8	3713.1
5°	3646.1	3644.6	3650.6	3656.6	3670.9
6°	3587.3	3585.1	3588.8	3596.4	3605.4
7°	3502.3	3497.7	3500.8	3502.3	3504.5
8°	3394.6	3387.8	3384.1	3392.3	3396.9
9°	3256.1	3248.6	3240.3	3237.3	3247.8
10°	3078.4	3067.1	3064.1	3056.6	3046.0
11°	2872.1	2863.1	2860.8	2847.3	2841.3
12°	2635.7	2631.2	2636.5	2628.2	2625.2
13°	2409.1	2380.5	2376.7	2360.9	2352.7
14°	2141.1	2114.8	2114.0	2105.7	2117.0
15°	1863.3	1845.2	1841.5	1855.8	1848.2
17.5°	1188.0	1200.0	1197.0	1189.5	1176.7
20°	685.1	676.8	688.9	691.9	688.1
22.5°	365.1	368.1	370.4	379.4	385.5
25°	203.3	216.8	222.8	222.1	212.3
27.5°	126.5	134.8	146.1	138.5	130.2
30°	78.3	85.1	99.4	85.8	81.3
32.5°	42.2	53.5	64.0	53.5	43.7
35°	21.8	28.6	39.9	29.4	22.6
37.5°	14.3	16.6	25.6	16.6	14.3
40°	8.3	10.5	15.1	10.5	8.3
42.5°	3.8	6.0	8.3	6.0	3.8
45°	1.5	2.3	4.5	3.0	1.5
47.5°	0.0	0.8	2.3	0.8	0.0
50°	0.0	0.0	0.8	0.0	0.0
52.5°	0.0	0.0	0.0	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)