

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: P1314950

Luminaire Tested: LDSQA3D20R309730D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314950  
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: LDSQA3D20R309730D010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

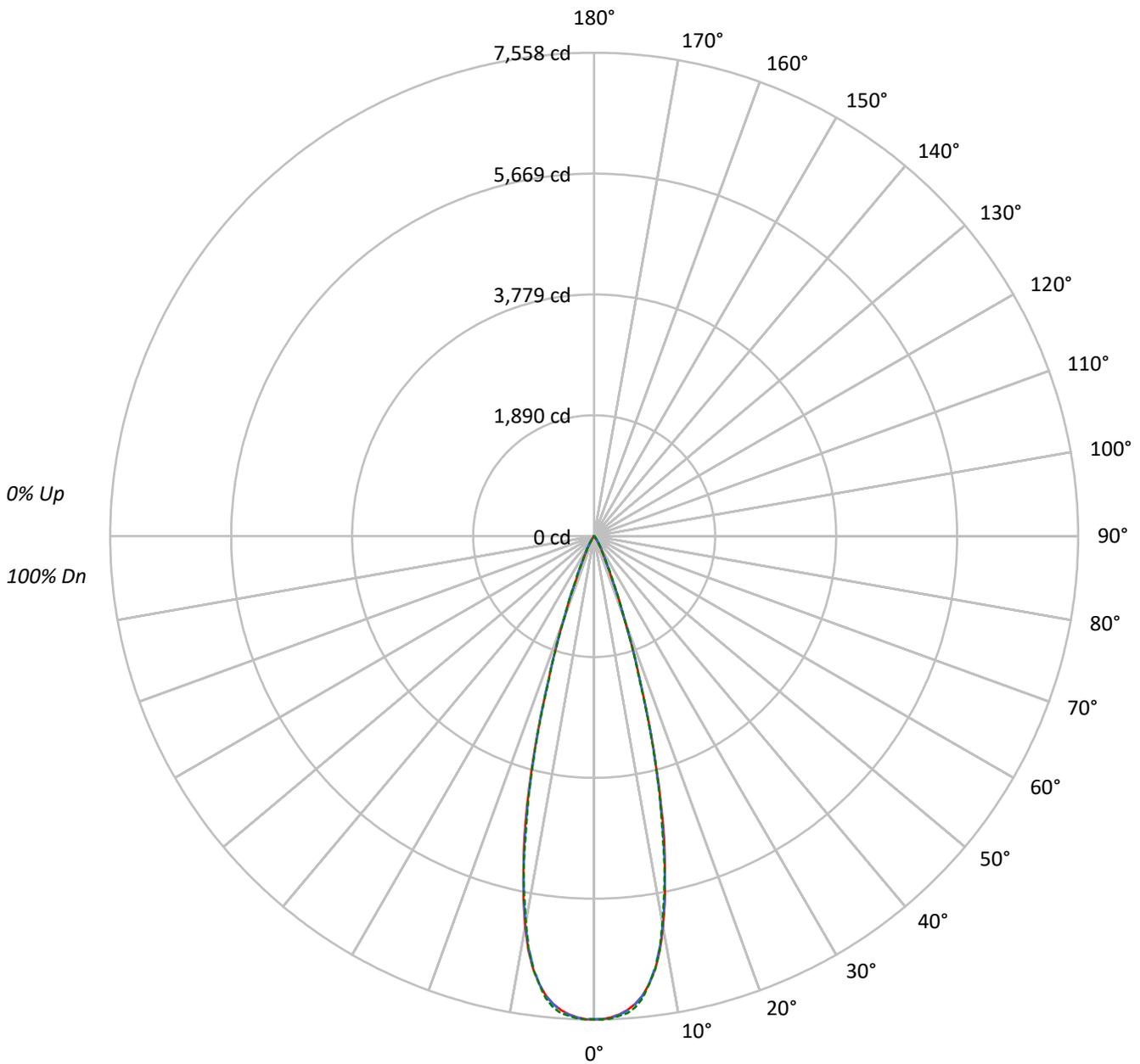
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1949.0 lumens  
Efficiency: N/A  
Efficacy: 67.7 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): 28.8  
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	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	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	99	99	99	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	92	92	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	89	89	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	87	87	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	84	84	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	82	82	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	80	80	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	78	78	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	76	76	76	75

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

	0°	45°	90°
0°	1300849	1300849	1300849
5°	1269133	1270706	1277777
10°	1083938	1078901	1072536
15°	668903	661075	663500
20°	252810	254203	253928
25°	77778	85265	81236
30°	31341	39793	32554
35°	9251	16883	9566
40°	3755	6812	3755
45°	731	2216	731
50°	0	402	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: 2216 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	666.2	34.2
10°-20°	986.4	50.6
20°-30°	244.7	12.6
30°-40°	45.9	2.4
40°-50°	5.8	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°	1897.2	97.3
0°-40°	1943.2	99.7
0°-60°	1949.0	100.0
0°-90°	1949.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1949.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7553	7553	7553	7553	7553	
5°	7341	7338	7350	7362	7391	667
15°	3752	3715	3708	3736	3721	991
25°	409	437	449	447	428	236
35°	44	58	80	59	46	37
45°	3	4	9	6	3	3
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°	7553.3	7553.3	7553.3	7553.3	7553.3
1°	7556.3	7550.3	7550.3	7541.2	7557.8
2°	7529.0	7523.0	7533.6	7526.0	7547.2
3°	7488.1	7480.5	7495.7	7500.2	7510.8
4°	7427.5	7421.4	7438.1	7447.2	7476.0
5°	7341.1	7338.0	7350.2	7362.3	7391.1
6°	7222.8	7218.3	7225.9	7241.0	7259.2
7°	7051.6	7042.5	7048.5	7051.6	7056.1
8°	6834.8	6821.2	6813.6	6830.2	6839.3
9°	6555.9	6540.7	6524.1	6518.0	6539.2
10°	6198.2	6175.4	6169.4	6154.2	6133.0
11°	5782.8	5764.6	5760.1	5732.8	5720.7
12°	5306.9	5297.8	5308.4	5291.7	5285.6
13°	4850.6	4793.0	4785.4	4753.6	4736.9
14°	4311.0	4257.9	4256.4	4239.7	4262.5
15°	3751.6	3715.3	3707.7	3736.5	3721.3
17.5°	2392.0	2416.2	2410.1	2395.0	2369.2
20°	1379.4	1362.7	1387.0	1393.0	1385.5
22.5°	735.2	741.2	745.8	764.0	776.1
25°	409.3	436.6	448.7	447.2	427.5
27.5°	254.7	271.3	294.1	278.9	262.2
30°	157.6	171.3	200.1	172.8	163.7
32.5°	84.9	107.6	128.8	107.6	87.9
35°	44.0	57.6	80.3	59.1	45.5
37.5°	28.8	33.3	51.5	33.3	28.8
40°	16.7	21.2	30.3	21.2	16.7
42.5°	7.6	12.1	16.7	12.1	7.6
45°	3.0	4.5	9.1	6.1	3.0
47.5°	0.0	1.5	4.5	1.5	0.0
50°	0.0	0.0	1.5	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)