

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: P1316743

Luminaire Tested: LDSQA3D17R309740DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316743  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R309740DE010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

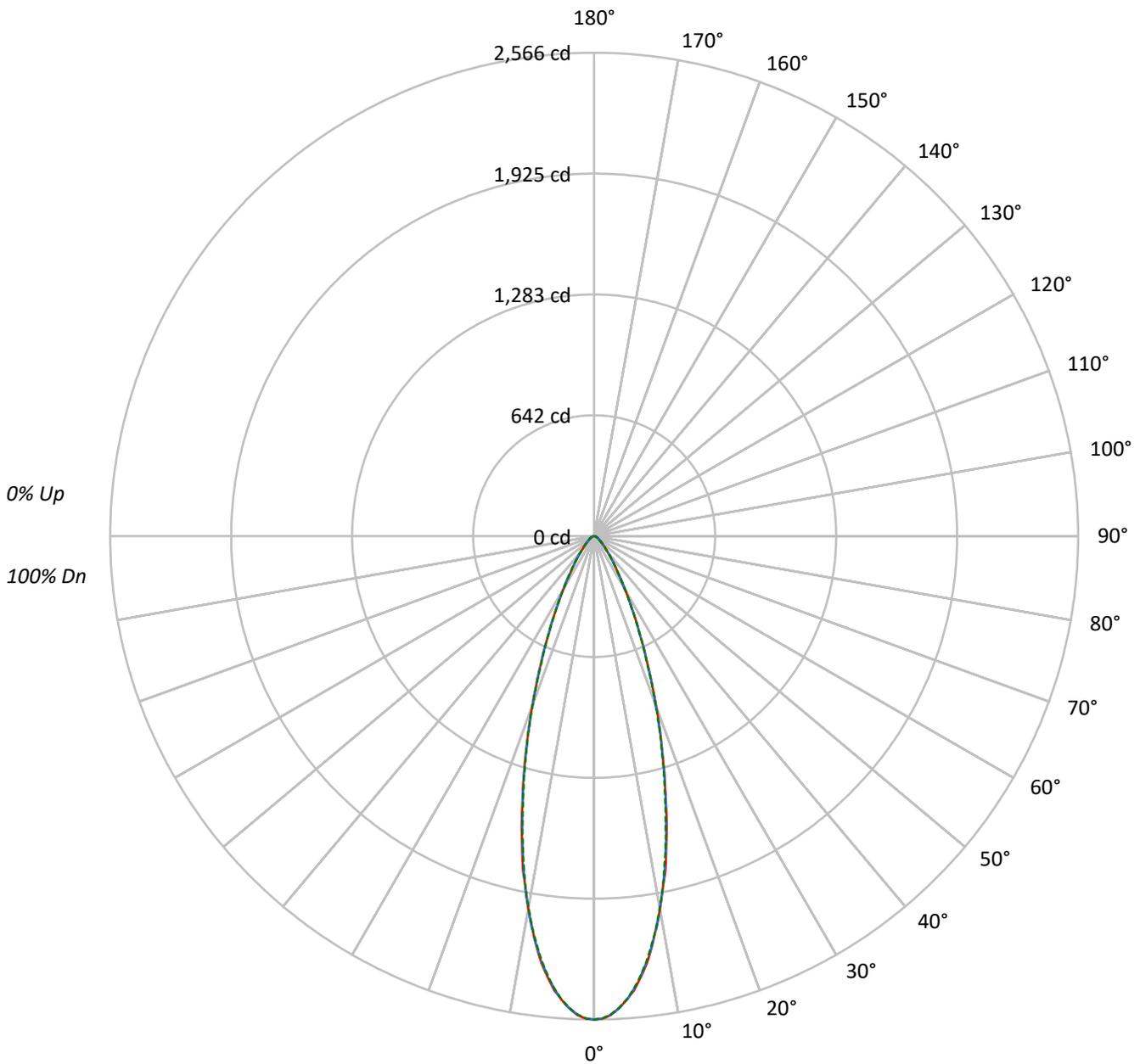
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1127.0 lumens  
Efficiency: N/A  
Efficacy: 53.2 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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



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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	59	58

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

	0°	45°	90°
0°	441958	441958	441958
5°	418423	417351	417126
10°	351525	351525	350214
15°	261902	261224	259673
20°	175285	174368	174607
25°	108049	107821	108277
30°	64969	64969	65208
35°	39841	39841	40115
40°	25225	25225	25787
45°	17317	17609	17609
50°	12700	12700	12700
55°	9728	10119	10119
60°	8163	8163	8577
65°	7131	7131	7131
70°	6294	6899	6899
75°	5789	5789	5789
80°	4959	4959	4959
85°	2371	2371	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 17609 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.5	19.3
10°-20°	401.7	35.6
20°-30°	267.0	23.7
30°-40°	123.4	11.0
40°-50°	57.3	5.1
50°-60°	30.6	2.7
60°-70°	17.9	1.6
70°-80°	9.5	0.8
80°-90°	2.0	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°	886.2	78.6
0°-40°	1009.7	89.6
0°-60°	1097.6	97.4
0°-90°	1127.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1127.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2566	2566	2566	2566	2566	
5°	2420	2415	2414	2420	2413	218
15°	1469	1474	1465	1465	1456	403
25°	569	567	567	567	570	267
35°	190	188	190	191	191	123
45°	71	71	72	72	72	57
55°	32	34	34	34	34	30
65°	18	18	18	18	18	17
75°	9	9	9	9	9	9
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2566.2	2566.2	2566.2	2566.2	2566.2
1°	2561.2	2558.7	2561.2	2564.9	2559.9
2°	2543.7	2541.2	2541.2	2546.2	2541.2
3°	2510.1	2512.6	2511.3	2516.3	2507.6
4°	2467.7	2466.4	2471.4	2473.9	2466.4
5°	2420.3	2415.3	2414.1	2420.3	2412.8
6°	2355.5	2351.7	2349.2	2356.7	2346.7
7°	2285.6	2283.1	2279.4	2281.9	2274.4
8°	2199.6	2198.3	2195.8	2198.3	2189.6
9°	2103.6	2103.6	2108.6	2107.3	2102.3
10°	2010.1	2012.5	2010.1	2012.5	2002.6
11°	1905.3	1905.3	1907.8	1906.6	1907.8
12°	1814.3	1804.3	1801.8	1799.3	1791.8
13°	1697.1	1689.6	1687.1	1689.6	1685.8
14°	1589.8	1584.8	1572.4	1574.9	1569.9
15°	1468.9	1473.9	1465.1	1465.1	1456.4
17.5°	1200.8	1195.8	1198.3	1199.5	1195.8
20°	956.4	953.9	951.4	948.9	952.7
22.5°	743.2	744.4	741.9	739.4	736.9
25°	568.6	567.4	567.4	567.4	569.8
27.5°	431.4	431.4	431.4	432.7	432.7
30°	326.7	324.2	326.7	327.9	327.9
32.5°	244.4	246.9	248.1	248.1	248.1
35°	189.5	188.3	189.5	190.8	190.8
37.5°	144.6	144.6	145.9	145.9	147.1
40°	112.2	112.2	112.2	113.5	114.7
42.5°	88.5	88.5	89.8	89.8	91.0
45°	71.1	71.1	72.3	72.3	72.3
47.5°	57.4	57.4	58.6	58.6	58.6
50°	47.4	47.4	47.4	47.4	47.4
52.5°	39.9	38.7	39.9	39.9	39.9
55°	32.4	33.7	33.7	33.7	33.7
57.5°	27.4	28.7	28.7	28.7	28.7
60°	23.7	23.7	23.7	24.9	24.9
62.5°	20.0	21.2	21.2	21.2	21.2
65°	17.5	17.5	17.5	17.5	17.5
67.5°	15.0	15.0	15.0	15.0	16.2
70°	12.5	12.5	13.7	13.7	13.7
72.5°	11.2	11.2	11.2	11.2	11.2
75°	8.7	8.7	8.7	8.7	8.7
77.5°	6.2	6.2	7.5	7.5	6.2
80°	5.0	5.0	5.0	5.0	5.0
82.5°	3.7	3.7	3.7	3.7	3.7
85°	1.2	1.2	1.2	1.2	1.2
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)