

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: P1315819

Luminaire Tested: LDSQA3D17R509735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

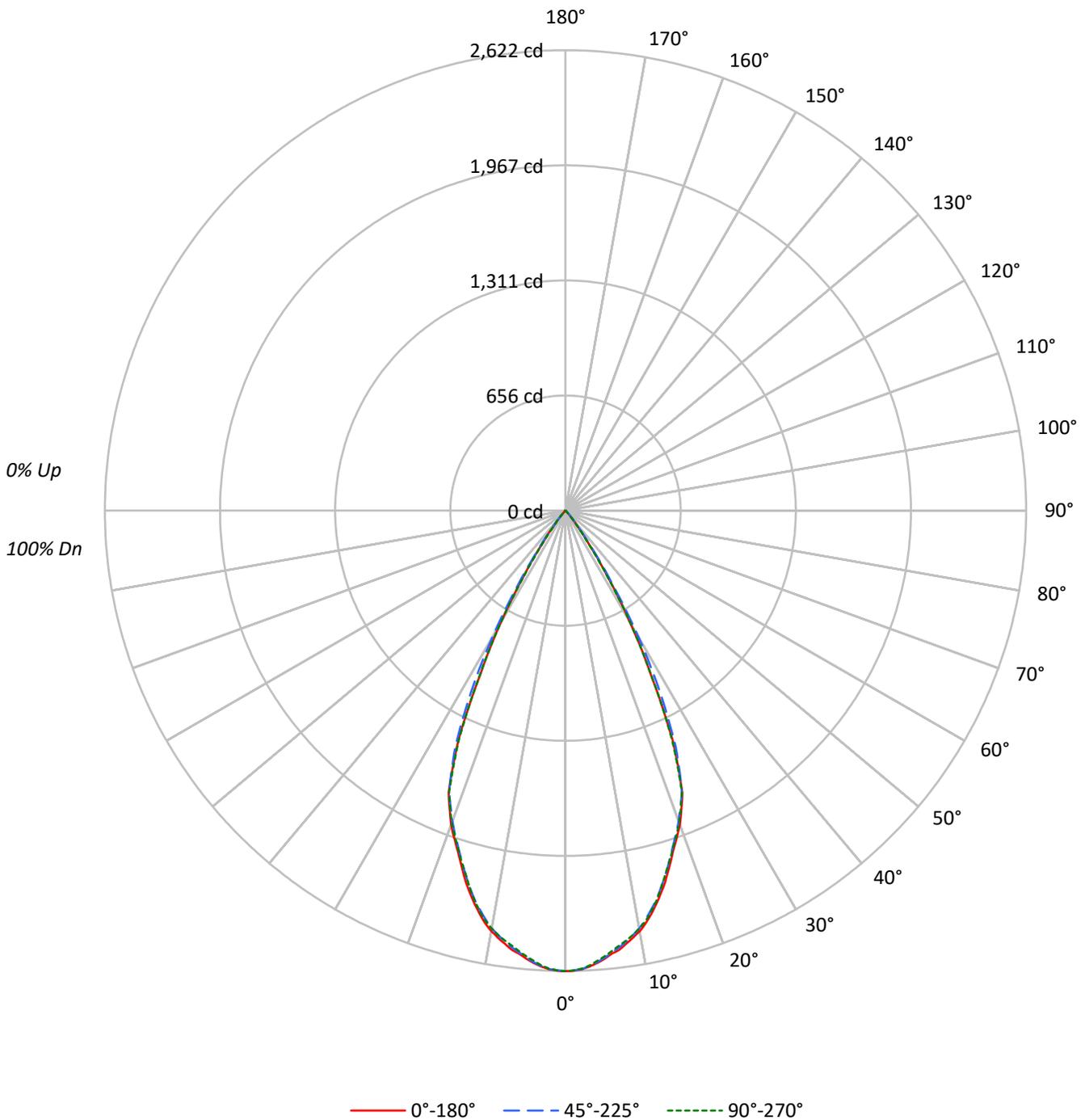
Test Method: LM-79-2019  
Report Number: P1315819  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R509735DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1690.0 lumens  
Efficiency: N/A  
Efficacy: 79.7 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
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 (A<sub>in</sub>): 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				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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

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

	0°	45°	90°
0°	451637	451637	451637
5°	442782	441952	440707
10°	425464	422526	422736
15°	390562	386942	386514
20°	348920	345181	346941
25°	274246	282228	271966
30°	146723	164382	147200
35°	47915	55988	45140
40°	11871	14838	11331
45°	1461	5261	1461
50°	965	1608	965
55°	1081	1081	1081
60°	827	827	827
65°	978	978	978
70°	604	604	604
75°	799	799	799
80°	1190	1190	1190
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 5261 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.8	14.2
10°-20°	606.5	35.9
20°-30°	637.9	37.7
30°-40°	183.8	10.9
40°-50°	14.9	0.9
50°-60°	3.2	0.2
60°-70°	2.3	0.1
70°-80°	1.3	0.1
80°-90°	0.3	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°	1484.1	87.8
0°-40°	1668.0	98.7
0°-60°	1686.1	99.8
0°-90°	1690.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1690.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2622	2622	2622	2622	2622	
5°	2561	2560	2556	2559	2549	240
15°	2190	2176	2170	2170	2168	610
25°	1443	1479	1485	1468	1431	625
35°	228	236	266	228	215	176
45°	6	12	22	12	6	11
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
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°	2622.4	2622.4	2622.4	2622.4	2622.4
1°	2621.2	2623.6	2618.8	2627.2	2620.0
2°	2615.2	2616.4	2614.0	2620.0	2610.4
3°	2600.8	2603.2	2598.4	2603.2	2594.8
4°	2584.0	2584.0	2579.2	2582.8	2572.0
5°	2561.2	2560.0	2556.4	2558.8	2549.2
6°	2537.2	2536.0	2530.0	2530.0	2522.8
7°	2519.2	2510.8	2506.1	2504.9	2497.7
8°	2490.5	2488.1	2478.5	2478.5	2473.7
9°	2461.7	2459.3	2448.5	2450.9	2447.3
10°	2432.9	2424.5	2416.1	2417.3	2417.3
11°	2394.5	2387.3	2375.3	2380.1	2382.5
12°	2348.9	2340.5	2329.7	2339.3	2338.1
13°	2298.5	2291.3	2282.9	2290.1	2287.7
14°	2245.7	2234.9	2227.7	2232.5	2230.1
15°	2190.5	2176.1	2170.2	2170.2	2167.8
17.5°	2035.8	2027.4	2021.4	2017.8	2026.2
20°	1903.8	1896.6	1883.4	1887.0	1893.0
22.5°	1738.3	1737.1	1729.9	1723.9	1731.1
25°	1443.2	1479.2	1485.2	1468.4	1431.2
27.5°	1048.5	1132.5	1162.5	1122.9	1054.5
30°	737.8	777.4	826.6	748.6	740.2
32.5°	445.1	455.9	501.5	447.5	435.5
35°	227.9	236.3	266.3	227.9	214.7
37.5°	106.8	111.6	123.6	106.8	99.6
40°	52.8	58.8	66.0	55.2	50.4
42.5°	22.8	30.0	38.4	28.8	20.4
45°	6.0	12.0	21.6	12.0	6.0
47.5°	3.6	4.8	12.0	4.8	3.6
50°	3.6	3.6	6.0	3.6	3.6
52.5°	3.6	3.6	3.6	3.6	3.6
55°	3.6	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	3.6	3.6	3.6
60°	2.4	3.6	2.4	3.6	2.4
62.5°	2.4	2.4	2.4	2.4	2.4
65°	2.4	2.4	2.4	2.4	2.4
67.5°	2.4	2.4	2.4	2.4	2.4
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2
82.5°	0.0	1.2	0.0	1.2	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)