

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: P1316790

Luminaire Tested: LDSQA3D17R509740DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316790  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R509740DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

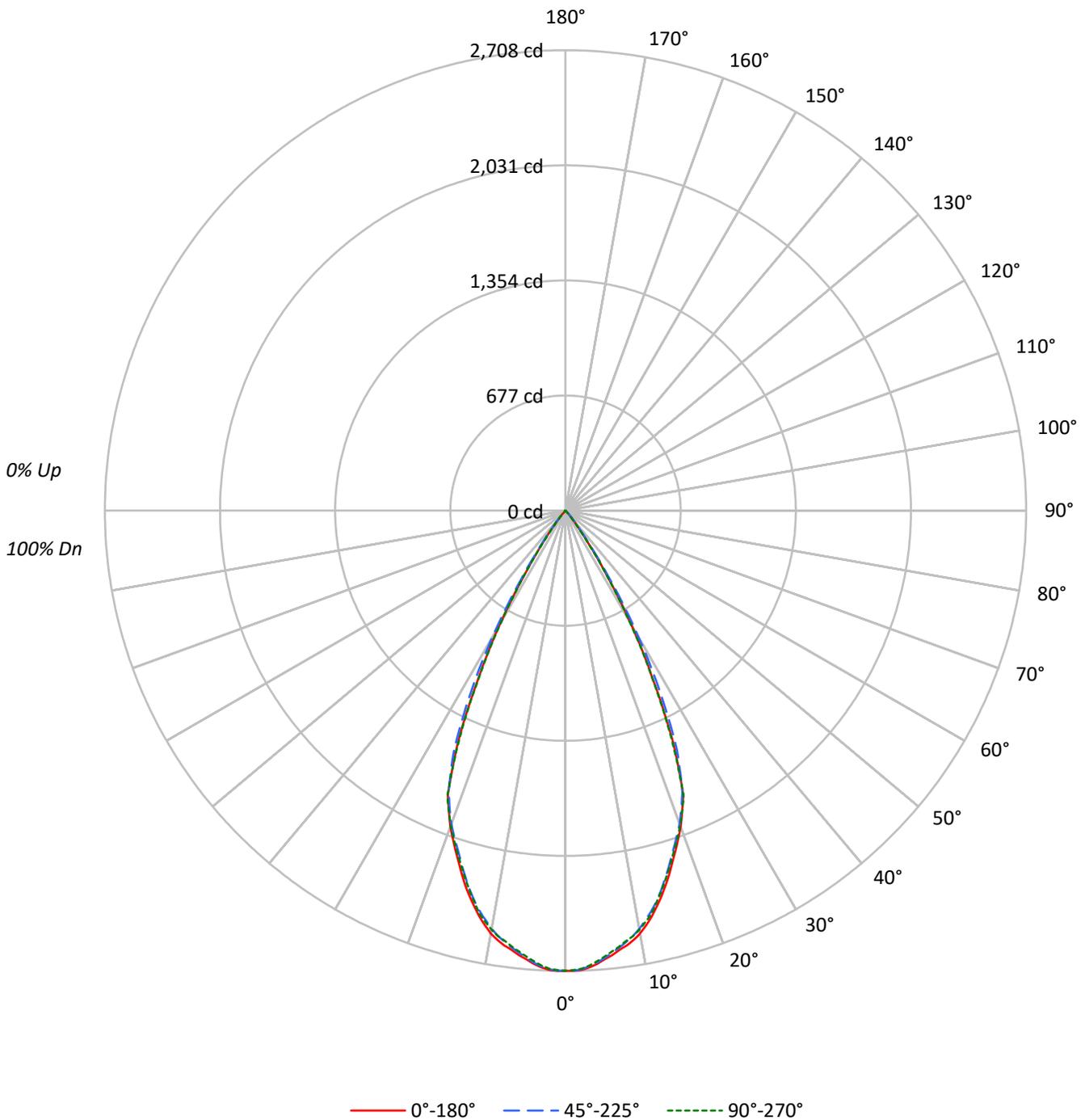
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1743.0 lumens  
Efficiency: N/A  
Efficacy: 82.2 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 (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





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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	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

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

	0°	45°	90°
0°	466155	466155	466155
5°	458030	456733	455436
10°	441728	436936	437811
15°	406359	401242	402347
20°	362867	359440	361493
25°	282399	294256	279320
30°	152987	170826	150243
35°	48230	57397	47179
40°	10657	14861	10094
45°	292	4555	292
50°	0	670	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: 4555 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	248.0	14.2
10°-20°	630.1	36.1
20°-30°	663.6	38.1
30°-40°	189.5	10.9
40°-50°	11.7	0.7
50°-60°	0.1	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
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0°-30°	1541.7	88.4
0°-40°	1731.2	99.3
0°-60°	1743.0	100.0
0°-90°	1743.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1743.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2707	2707	2707	2707	2707	
5°	2649	2647	2642	2639	2634	249
15°	2279	2264	2250	2254	2257	635
25°	1486	1541	1548	1531	1470	650
35°	229	246	273	232	224	179
45°	1	6	19	6	1	7
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°	2706.7	2706.7	2706.7	2706.7	2706.7
1°	2708.0	2709.2	2706.7	2709.2	2703.0
2°	2704.2	2701.7	2699.2	2700.5	2696.8
3°	2690.5	2689.3	2684.3	2685.5	2680.5
4°	2673.1	2669.3	2665.6	2663.1	2658.1
5°	2649.4	2646.9	2641.9	2639.4	2634.4
6°	2629.4	2624.4	2615.7	2613.2	2608.2
7°	2603.2	2600.8	2589.5	2587.0	2584.5
8°	2583.3	2575.8	2562.1	2563.3	2557.1
9°	2557.1	2547.1	2533.4	2533.4	2534.7
10°	2525.9	2511.0	2498.5	2502.3	2503.5
11°	2484.8	2474.8	2456.1	2464.9	2464.9
12°	2439.9	2427.5	2413.7	2421.2	2426.2
13°	2387.6	2377.6	2365.1	2372.6	2370.1
14°	2336.4	2317.7	2309.0	2319.0	2315.2
15°	2279.1	2264.1	2250.4	2254.2	2256.6
17.5°	2125.7	2109.5	2099.6	2100.8	2112.0
20°	1979.9	1973.6	1961.2	1966.1	1972.4
22.5°	1807.8	1810.3	1795.3	1799.1	1814.0
25°	1486.1	1541.0	1548.5	1531.0	1469.9
27.5°	1100.9	1183.2	1208.1	1168.2	1093.4
30°	769.3	791.7	859.0	783.0	755.5
32.5°	451.3	485.0	521.1	468.8	450.1
35°	229.4	245.6	273.0	231.9	224.4
37.5°	106.0	113.5	124.7	106.0	99.7
40°	47.4	56.1	66.1	53.6	44.9
42.5°	15.0	26.2	34.9	23.7	13.7
45°	1.2	6.2	18.7	6.2	1.2
47.5°	0.0	1.2	7.5	1.2	0.0
50°	0.0	0.0	2.5	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)