

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: P1314846

Luminaire Tested: LDSQA3D17R509730DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314846  
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: LDSQA3D17R509730DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

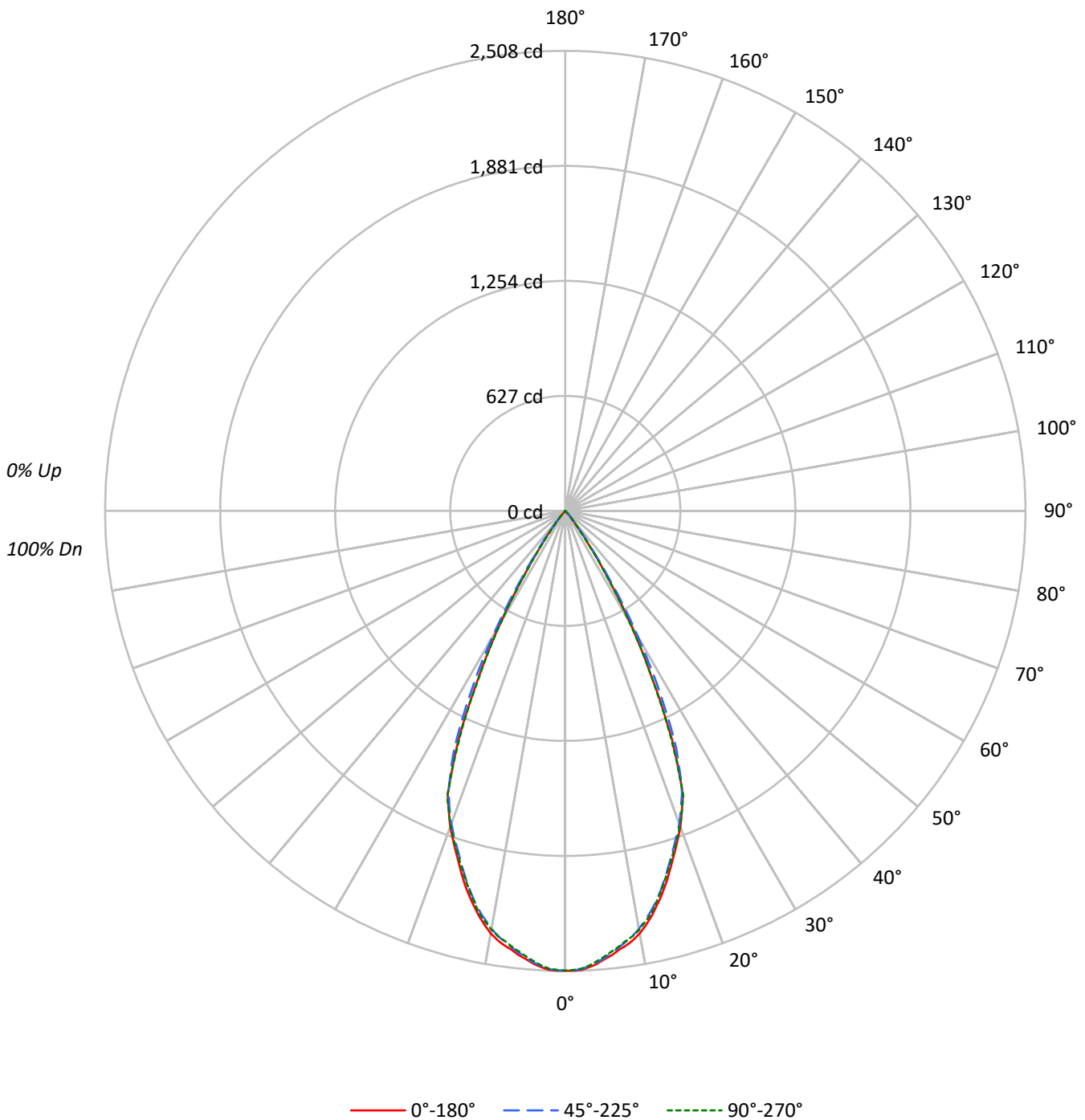
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1614.0 lumens  
Efficiency: N/A  
Efficacy: 76.1 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°	431659	431659	431659
5°	424128	422935	421725
10°	409043	404601	405406
15°	376280	371555	372571
20°	335999	332828	334734
25°	261515	272479	258645
30°	141652	158178	139126
35°	44656	53150	43689
40°	9870	13759	9353
45°	292	4214	292
50°	0	616	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: 4214 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.6	14.2
10°-20°	583.4	36.1
20°-30°	614.5	38.1
30°-40°	175.5	10.9
40°-50°	10.9	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
0°-30°	1427.6	88.4
0°-40°	1603.1	99.3
0°-60°	1614.0	100.0
0°-90°	1614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1614.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2506	2506	2506	2506	2506	
5°	2453	2451	2446	2444	2439	231
15°	2110	2097	2084	2087	2090	588
25°	1376	1427	1434	1418	1361	602
35°	212	227	253	215	208	166
45°	1	6	17	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°	2506.4	2506.4	2506.4	2506.4	2506.4
1°	2507.6	2508.7	2506.4	2508.7	2502.9
2°	2504.1	2501.8	2499.5	2500.6	2497.2
3°	2491.4	2490.2	2485.6	2486.8	2482.2
4°	2475.2	2471.8	2468.3	2466.0	2461.4
5°	2453.3	2451.0	2446.4	2444.1	2439.4
6°	2434.8	2430.2	2422.1	2419.8	2415.2
7°	2410.6	2408.3	2397.9	2395.6	2393.3
8°	2392.1	2385.2	2372.5	2373.6	2367.9
9°	2367.9	2358.6	2345.9	2345.9	2347.1
10°	2339.0	2325.1	2313.6	2317.1	2318.2
11°	2300.9	2291.7	2274.3	2282.4	2282.4
12°	2259.3	2247.8	2235.1	2242.0	2246.6
13°	2210.9	2201.6	2190.1	2197.0	2194.7
14°	2163.5	2146.2	2138.1	2147.4	2143.9
15°	2110.4	2096.6	2083.9	2087.3	2089.6
17.5°	1968.4	1953.4	1944.2	1945.3	1955.7
20°	1833.3	1827.6	1816.0	1820.6	1826.4
22.5°	1674.0	1676.3	1662.5	1665.9	1679.8
25°	1376.2	1427.0	1433.9	1417.7	1361.1
27.5°	1019.4	1095.6	1118.7	1081.8	1012.5
30°	712.3	733.1	795.4	725.0	699.6
32.5°	417.9	449.1	482.6	434.1	416.8
35°	212.4	227.4	252.8	214.7	207.8
37.5°	98.1	105.1	115.4	98.1	92.4
40°	43.9	52.0	61.2	49.6	41.6
42.5°	13.9	24.2	32.3	21.9	12.7
45°	1.2	5.8	17.3	5.8	1.2
47.5°	0.0	1.2	6.9	1.2	0.0
50°	0.0	0.0	2.3	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)