

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: P1312776

Luminaire Tested: LDSQA3D17R559050DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312776  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R559050DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

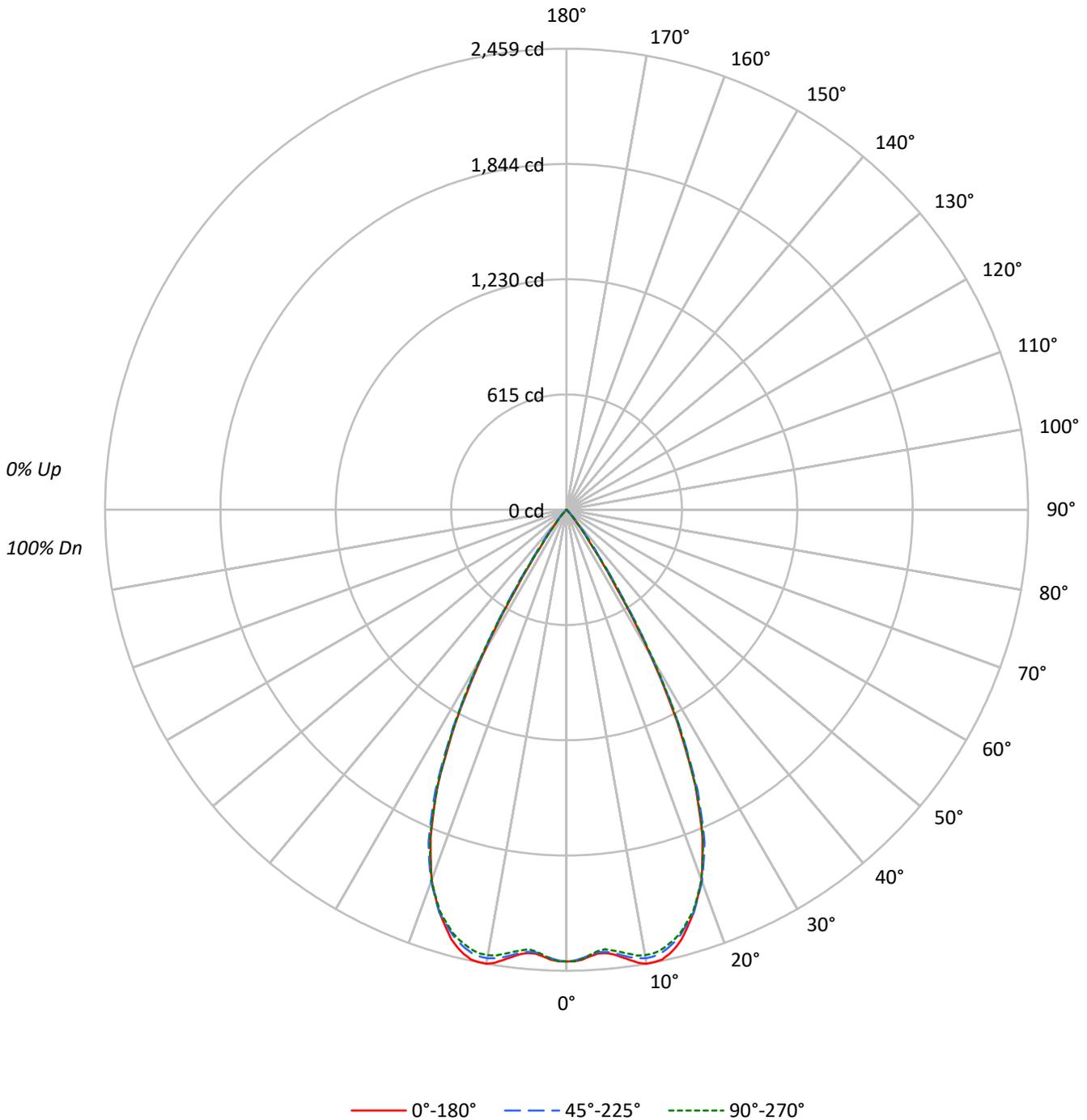
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1832.0 lumens  
Efficiency: N/A  
Efficacy: 86.4 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
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			
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	58

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

	0°	45°	90°
0°	415005	415005	415005
5°	410263	409053	406857
10°	430011	424852	421897
15°	422869	418358	416861
20°	385172	386730	385428
25°	309021	313829	309021
30°	177368	181843	183235
35°	50564	60929	52057
40°	12972	18660	13287
45°	1364	6503	1023
50°	0	1125	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: 6503 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.8	12.5
10°-20°	652.9	35.6
20°-30°	719.1	39.3
30°-40°	214.7	11.7
40°-50°	16.5	0.9
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°	1600.7	87.4
0°-40°	1815.4	99.1
0°-60°	1832.0	100.0
0°-90°	1832.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1832.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2410	2410	2410	2410	2410	
5°	2373	2369	2366	2356	2353	230
15°	2372	2355	2346	2337	2338	657
25°	1626	1626	1652	1649	1626	712
35°	240	256	290	264	248	199
45°	6	14	27	14	4	11
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°	2409.7	2409.7	2409.7	2409.7	2409.7
1°	2408.3	2408.3	2405.5	2404.1	2408.3
2°	2401.3	2401.3	2394.2	2392.8	2397.1
3°	2385.8	2384.4	2378.8	2374.5	2377.4
4°	2373.1	2370.3	2366.1	2359.1	2360.5
5°	2373.1	2368.9	2366.1	2356.3	2353.4
6°	2384.4	2381.6	2376.0	2366.1	2363.3
7°	2404.1	2398.5	2392.8	2380.2	2377.4
8°	2425.2	2421.0	2409.7	2397.1	2391.4
9°	2446.3	2436.4	2422.4	2409.7	2408.3
10°	2458.9	2444.9	2429.4	2413.9	2412.5
11°	2457.5	2444.9	2426.6	2412.5	2411.1
12°	2451.9	2433.6	2418.2	2401.3	2402.7
13°	2432.2	2415.3	2399.9	2387.2	2384.4
14°	2405.5	2390.0	2376.0	2363.3	2364.7
15°	2371.7	2354.9	2346.4	2336.6	2338.0
17.5°	2252.2	2247.9	2252.2	2240.9	2245.1
20°	2101.6	2097.4	2110.1	2104.5	2103.0
22.5°	1892.0	1897.7	1921.6	1914.5	1901.9
25°	1626.2	1626.2	1651.5	1648.7	1626.2
27.5°	1280.1	1290.0	1305.4	1312.5	1295.6
30°	891.9	914.4	914.4	928.4	921.4
32.5°	498.0	545.8	557.1	564.1	536.0
35°	240.5	256.0	289.8	264.5	247.6
37.5°	115.4	122.4	156.1	126.6	118.2
40°	57.7	66.1	83.0	68.9	59.1
42.5°	23.9	35.2	43.6	35.2	23.9
45°	5.6	14.1	26.7	14.1	4.2
47.5°	0.0	1.4	12.7	2.8	0.0
50°	0.0	0.0	4.2	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)