

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: P1311699

Luminaire Tested: LDSQA3D17R559040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

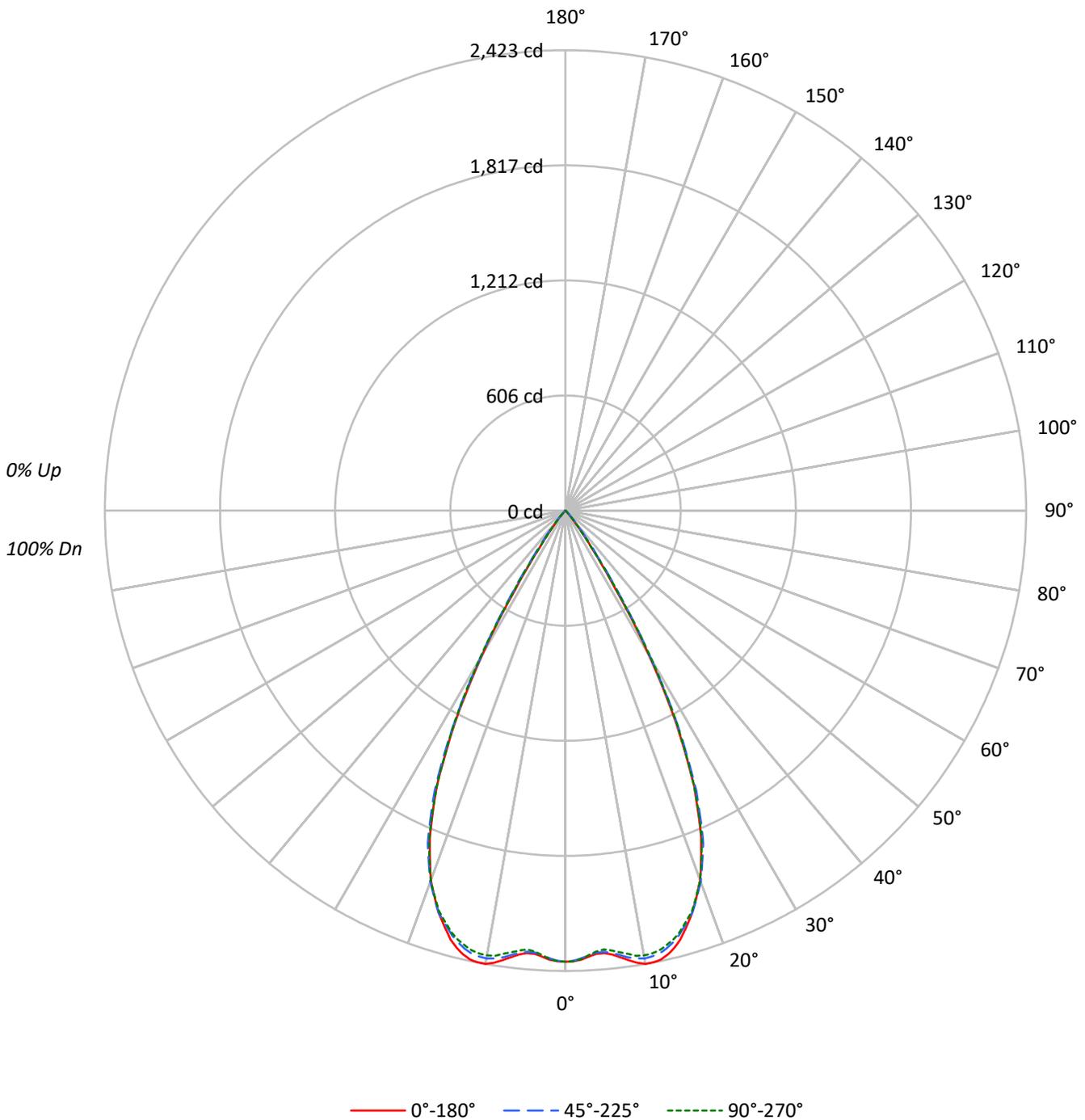
Test Method: LM-79-2019  
Report Number: P1311699  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R559040DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1805.0 lumens  
Efficiency: N/A  
Efficacy: 85.1 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 (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	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	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

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

	0°	45°	90°
0°	408891	408891	408891
5°	404229	403019	400875
10°	423680	418591	415688
15°	416647	412189	410709
20°	379509	381030	379765
25°	304461	309211	304461
30°	174743	179158	180530
35°	49828	60025	51279
40°	12770	18390	13085
45°	1340	6406	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: 6406 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.4	12.5
10°-20°	643.2	35.6
20°-30°	708.5	39.3
30°-40°	211.5	11.7
40°-50°	16.2	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°	1577.2	87.4
0°-40°	1788.7	99.1
0°-60°	1805.0	100.0
0°-90°	1805.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1805.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2374	2374	2374	2374	2374	
5°	2338	2334	2331	2322	2319	227
15°	2337	2320	2312	2302	2304	648
25°	1602	1602	1627	1624	1602	702
35°	237	252	286	261	244	196
45°	6	14	26	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°	2374.2	2374.2	2374.2	2374.2	2374.2
1°	2372.8	2372.8	2370.0	2368.7	2372.8
2°	2365.9	2365.9	2359.0	2357.6	2361.7
3°	2350.6	2349.3	2343.7	2339.5	2342.3
4°	2338.2	2335.4	2331.2	2324.3	2325.7
5°	2338.2	2334.0	2331.2	2321.5	2318.8
6°	2349.3	2346.5	2340.9	2331.2	2328.5
7°	2368.7	2363.1	2357.6	2345.1	2342.3
8°	2389.4	2385.3	2374.2	2361.7	2356.2
9°	2410.2	2400.5	2386.7	2374.2	2372.8
10°	2422.7	2408.8	2393.6	2378.4	2377.0
11°	2421.3	2408.8	2390.8	2377.0	2375.6
12°	2415.8	2397.8	2382.5	2365.9	2367.3
13°	2396.4	2379.7	2364.5	2352.0	2349.3
14°	2370.0	2354.8	2340.9	2328.5	2329.8
15°	2336.8	2320.1	2311.8	2302.1	2303.5
17.5°	2219.0	2214.8	2219.0	2207.9	2212.0
20°	2070.7	2066.5	2079.0	2073.4	2072.1
22.5°	1864.2	1869.7	1893.3	1886.3	1873.9
25°	1602.2	1602.2	1627.2	1624.4	1602.2
27.5°	1261.2	1271.0	1286.2	1293.1	1276.5
30°	878.7	900.9	900.9	914.8	907.8
32.5°	490.6	537.8	548.9	555.8	528.1
35°	237.0	252.2	285.5	260.6	243.9
37.5°	113.7	120.6	153.8	124.7	116.4
40°	56.8	65.1	81.8	67.9	58.2
42.5°	23.6	34.6	43.0	34.6	23.6
45°	5.5	13.9	26.3	13.9	4.2
47.5°	0.0	1.4	12.5	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)