

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: P1314039

Luminaire Tested: LDSQA3D20R559727D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314039  
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: LDSQA3D20R559727D010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

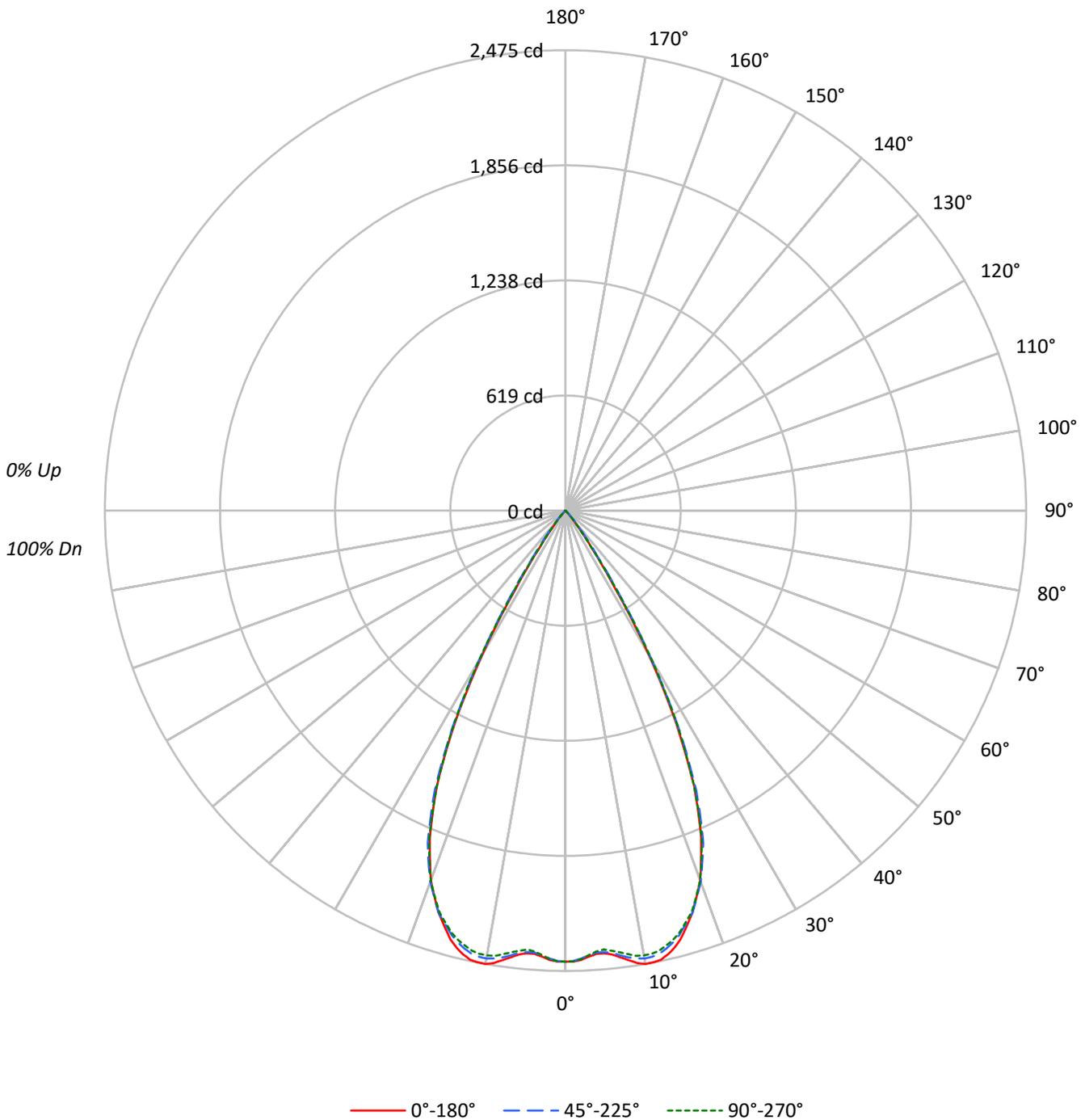
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1844.0 lumens  
Efficiency: N/A  
Efficacy: 64.0 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): 28.8  
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°	417726	417726	417726
5°	412960	411732	409537
10°	432844	427633	424660
15°	425651	421104	419589
20°	387701	389259	387958
25°	311036	315881	311036
30°	178522	183036	184428
35°	50900	61328	52393
40°	13062	18773	13377
45°	1388	6552	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: 6552 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.3	12.5
10°-20°	657.1	35.6
20°-30°	723.8	39.3
30°-40°	216.1	11.7
40°-50°	16.6	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°	1611.2	87.4
0°-40°	1827.3	99.1
0°-60°	1844.0	100.0
0°-90°	1844.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1844.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2426	2426	2426	2426	2426	
5°	2389	2384	2382	2372	2369	232
15°	2387	2370	2362	2352	2353	662
25°	1637	1637	1662	1660	1637	717
35°	242	258	292	266	249	200
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°	2425.5	2425.5	2425.5	2425.5	2425.5
1°	2424.1	2424.1	2421.2	2419.8	2424.1
2°	2417.0	2417.0	2409.9	2408.5	2412.8
3°	2401.4	2400.0	2394.3	2390.1	2392.9
4°	2388.7	2385.9	2381.6	2374.5	2375.9
5°	2388.7	2384.4	2381.6	2371.7	2368.9
6°	2400.0	2397.2	2391.5	2381.6	2378.8
7°	2419.8	2414.2	2408.5	2395.8	2392.9
8°	2441.1	2436.8	2425.5	2412.8	2407.1
9°	2462.3	2452.4	2438.2	2425.5	2424.1
10°	2475.1	2460.9	2445.3	2429.7	2428.3
11°	2473.6	2460.9	2442.5	2428.3	2426.9
12°	2468.0	2449.6	2434.0	2417.0	2418.4
13°	2448.2	2431.2	2415.6	2402.8	2400.0
14°	2421.2	2405.7	2391.5	2378.8	2380.2
15°	2387.3	2370.3	2361.8	2351.9	2353.3
17.5°	2266.9	2262.7	2266.9	2255.6	2259.8
20°	2115.4	2111.2	2123.9	2118.2	2116.8
22.5°	1904.4	1910.1	1934.2	1927.1	1914.3
25°	1636.8	1636.8	1662.3	1659.5	1636.8
27.5°	1288.5	1298.4	1314.0	1321.1	1304.1
30°	897.7	920.4	920.4	934.5	927.4
32.5°	501.2	549.4	560.7	567.8	539.5
35°	242.1	257.7	291.7	266.2	249.2
37.5°	116.1	123.2	157.2	127.4	118.9
40°	58.1	66.5	83.5	69.4	59.5
42.5°	24.1	35.4	43.9	35.4	24.1
45°	5.7	14.2	26.9	14.2	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)