

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: P1308492

Luminaire Tested: LDSQA3D20R559027D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308492  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R559027D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

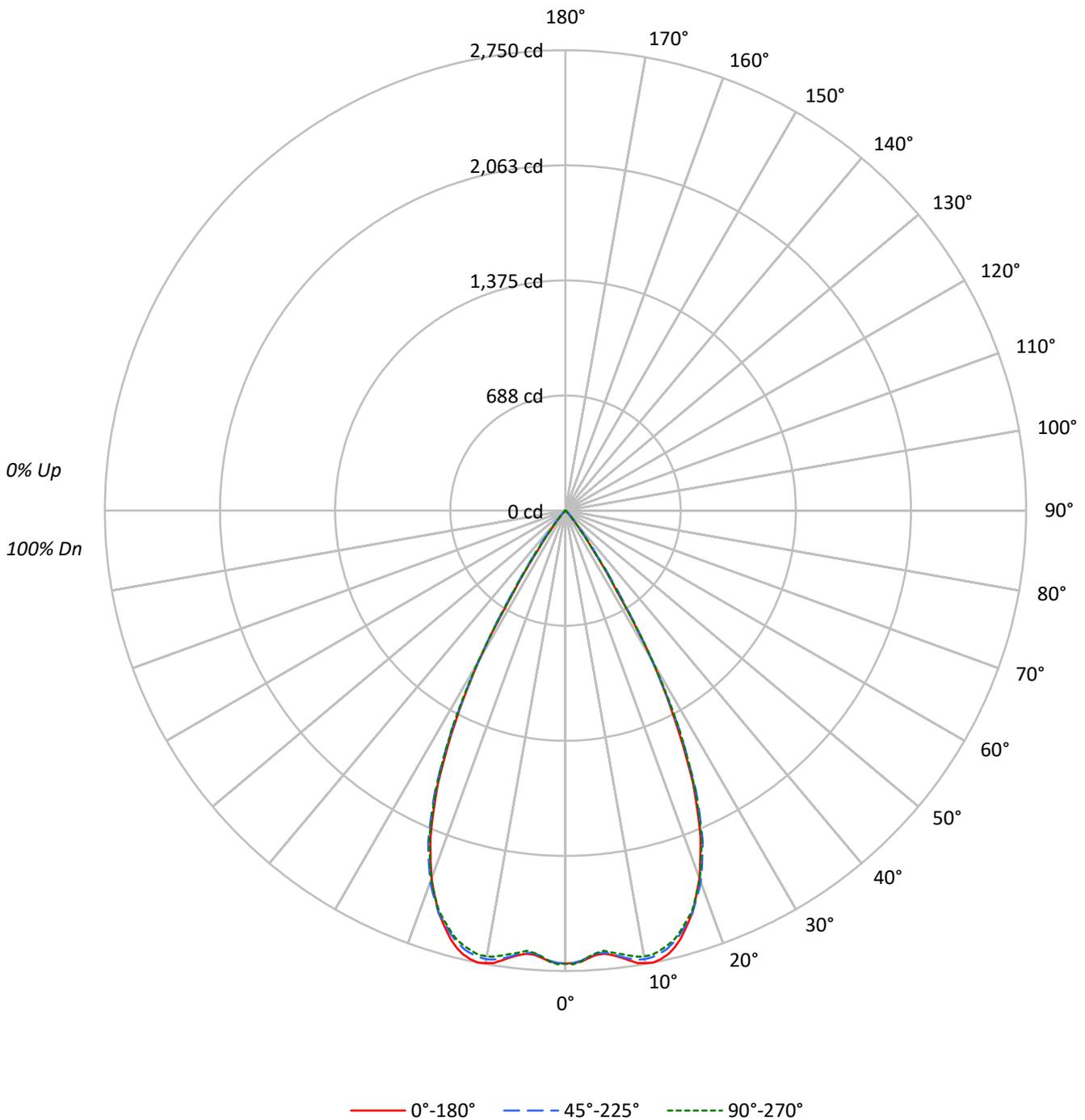
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2075.0 lumens  
Efficiency: N/A  
Efficacy: 72.0 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
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 (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	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	111	109	107	112	109	107	105	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	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

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

	0°	45°	90°
0°	466017	466017	466017
5°	459326	458514	456335
10°	480097	475952	472927
15°	472597	468389	466410
20°	428535	432878	429689
25°	342694	349877	346590
30°	205508	205508	208033
35°	59373	70327	61371
40°	17019	23067	17019
45°	3848	8841	3848
50°	1688	2947	1259
55°	1411	1411	1411
60°	1619	1619	1619
65°	1304	1304	1304
70°	1611	1611	1611
75°	1065	1065	1065
80°	1587	1587	1587
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 8841 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.5	12.4
10°-20°	731.3	35.2
20°-30°	805.7	38.8
30°-40°	246.4	11.9
40°-50°	24.4	1.2
50°-60°	4.5	0.2
60°-70°	3.6	0.2
70°-80°	2.0	0.1
80°-90°	0.7	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°	1793.4	86.4
0°-40°	2039.9	98.3
0°-60°	2068.7	99.7
0°-90°	2075.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2075.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2706	2706	2706	2706	2706	
5°	2657	2657	2652	2644	2640	258
15°	2651	2646	2627	2616	2616	735
25°	1803	1821	1841	1859	1824	795
35°	282	297	334	308	292	232
45°	16	24	36	24	16	19
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2705.9	2705.9	2705.9	2705.9	2705.9
1°	2702.7	2704.3	2702.7	2699.5	2710.6
2°	2696.4	2694.8	2690.1	2688.5	2693.2
3°	2675.9	2675.9	2669.6	2666.4	2668.0
4°	2660.1	2660.1	2650.6	2647.5	2649.1
5°	2656.9	2656.9	2652.2	2644.3	2639.6
6°	2669.6	2672.7	2661.7	2653.8	2653.8
7°	2688.5	2690.1	2682.2	2671.1	2668.0
8°	2712.2	2713.7	2701.1	2688.5	2682.2
9°	2735.8	2732.7	2715.3	2702.7	2698.0
10°	2745.3	2743.7	2721.6	2709.0	2704.3
11°	2750.0	2742.1	2716.9	2705.9	2704.3
12°	2739.0	2732.7	2705.9	2694.8	2690.1
13°	2720.1	2710.6	2688.5	2677.5	2671.1
14°	2690.1	2680.6	2660.1	2647.5	2649.1
15°	2650.6	2645.9	2627.0	2615.9	2615.9
17.5°	2519.7	2522.8	2518.1	2513.4	2510.2
20°	2338.2	2350.9	2361.9	2355.6	2344.5
22.5°	2106.3	2128.4	2141.0	2144.2	2123.7
25°	1803.4	1820.7	1841.2	1858.6	1823.9
27.5°	1426.3	1442.1	1461.0	1472.0	1467.3
30°	1033.4	1035.0	1033.4	1053.9	1046.1
32.5°	574.3	621.6	629.5	643.7	593.2
35°	282.4	296.6	334.5	307.7	291.9
37.5°	135.7	145.2	181.4	148.3	142.0
40°	75.7	82.0	102.6	85.2	75.7
42.5°	36.3	47.3	55.2	48.9	36.3
45°	15.8	23.7	36.3	23.7	15.8
47.5°	6.3	9.5	22.1	9.5	6.3
50°	6.3	4.7	11.0	4.7	4.7
52.5°	4.7	4.7	6.3	4.7	4.7
55°	4.7	4.7	4.7	4.7	4.7
57.5°	4.7	4.7	4.7	4.7	4.7
60°	4.7	4.7	4.7	4.7	4.7
62.5°	3.2	4.7	4.7	4.7	3.2
65°	3.2	3.2	3.2	3.2	3.2
67.5°	3.2	3.2	3.2	3.2	3.2
70°	3.2	3.2	3.2	3.2	3.2
72.5°	1.6	3.2	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6
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)