

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: P1310573

Luminaire Tested: LDSQA3D17R509035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310573  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R509035DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

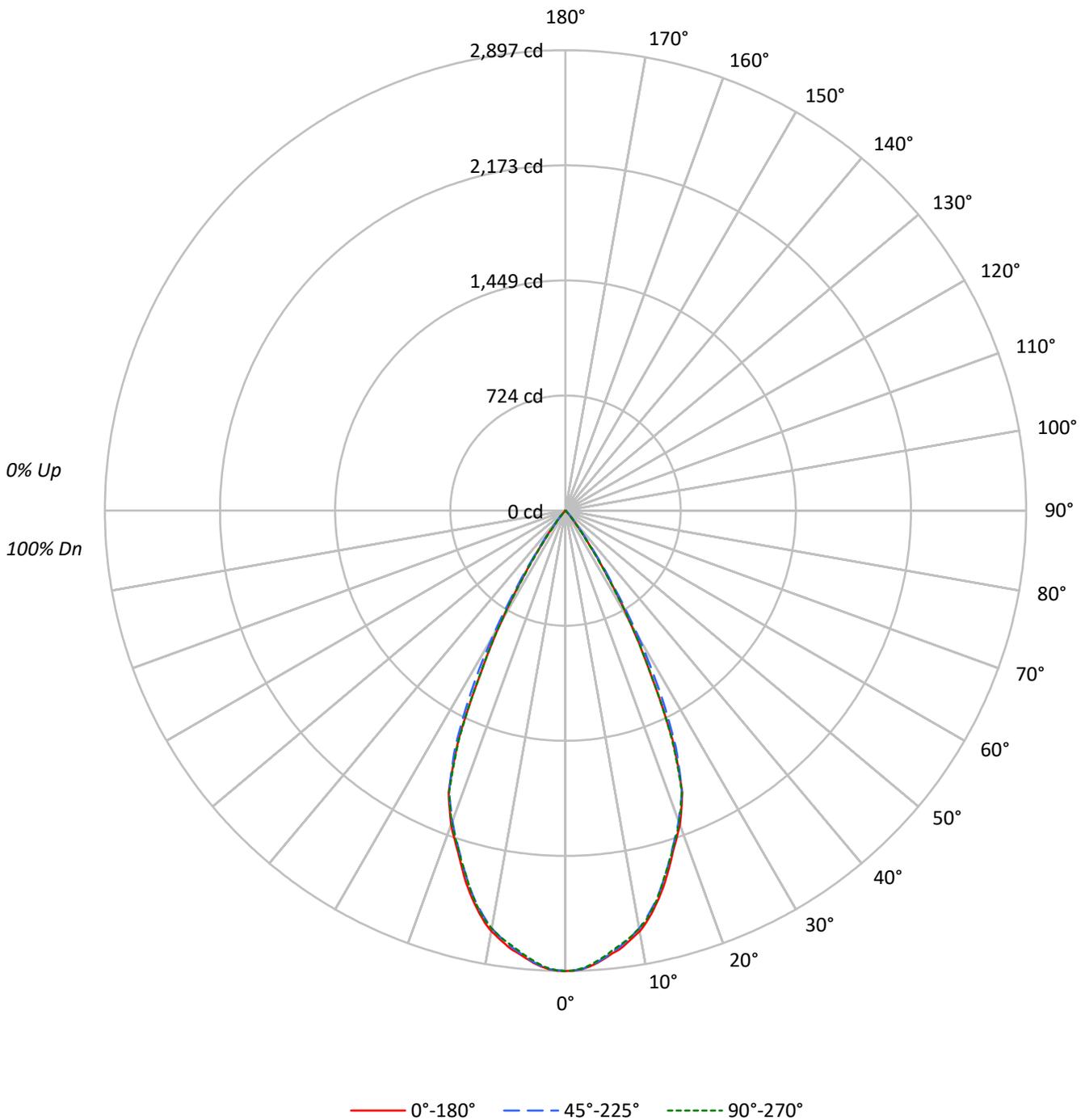
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1867.0 lumens  
Efficiency: N/A  
Efficacy: 88.1 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 (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				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	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

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

	0°	45°	90°
0°	498946	498946	498946
5°	489165	488249	486866
10°	470024	466771	466998
15°	431481	427452	426988
20°	385465	381341	383284
25°	302960	311777	300451
30°	162075	181584	162612
35°	52940	61854	49870
40°	13107	16389	12523
45°	1607	5821	1607
50°	1072	1768	1072
55°	1201	1201	1201
60°	930	930	930
65°	1100	1100	1100
70°	655	655	655
75°	865	865	865
80°	1289	1289	1289
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 5821 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	264.9	14.2
10°-20°	670.0	35.9
20°-30°	704.7	37.7
30°-40°	203.1	10.9
40°-50°	16.5	0.9
50°-60°	3.6	0.2
60°-70°	2.6	0.1
70°-80°	1.4	0.1
80°-90°	0.4	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°	1639.6	87.8
0°-40°	1842.6	98.7
0°-60°	1862.7	99.8
0°-90°	1867.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1867.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2897	2897	2897	2897	2897	
5°	2830	2828	2824	2827	2816	266
15°	2420	2404	2397	2397	2395	674
25°	1594	1634	1641	1622	1581	691
35°	252	261	294	252	237	195
45°	7	13	24	13	7	12
55°	4	4	4	4	4	3
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
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°	2897.1	2897.1	2897.1	2897.1	2897.1
1°	2895.7	2898.4	2893.1	2902.4	2894.4
2°	2889.1	2890.4	2887.8	2894.4	2883.8
3°	2873.2	2875.9	2870.6	2875.9	2866.6
4°	2854.7	2854.7	2849.4	2853.3	2841.4
5°	2829.5	2828.2	2824.2	2826.8	2816.2
6°	2803.0	2801.7	2795.0	2795.0	2787.1
7°	2783.1	2773.8	2768.5	2767.2	2759.2
8°	2751.3	2748.6	2738.0	2738.0	2732.7
9°	2719.5	2716.8	2704.9	2707.6	2703.6
10°	2687.7	2678.4	2669.1	2670.4	2670.4
11°	2645.3	2637.3	2624.1	2629.4	2632.0
12°	2594.9	2585.6	2573.7	2584.3	2583.0
13°	2539.2	2531.3	2522.0	2530.0	2527.3
14°	2480.9	2469.0	2461.1	2466.4	2463.7
15°	2420.0	2404.1	2397.4	2397.4	2394.8
17.5°	2249.0	2239.7	2233.1	2229.1	2238.4
20°	2103.2	2095.3	2080.7	2084.7	2091.3
22.5°	1920.3	1919.0	1911.1	1904.4	1912.4
25°	1594.3	1634.1	1640.7	1622.1	1581.1
27.5°	1158.3	1251.1	1284.2	1240.5	1164.9
30°	815.0	858.8	913.1	827.0	817.7
32.5°	491.7	503.6	554.0	494.3	481.1
35°	251.8	261.1	294.2	251.8	237.2
37.5°	118.0	123.3	136.5	118.0	110.0
40°	58.3	64.9	72.9	61.0	55.7
42.5°	25.2	33.1	42.4	31.8	22.5
45°	6.6	13.3	23.9	13.3	6.6
47.5°	4.0	5.3	13.3	5.3	4.0
50°	4.0	4.0	6.6	4.0	4.0
52.5°	4.0	4.0	4.0	4.0	4.0
55°	4.0	4.0	4.0	4.0	4.0
57.5°	4.0	4.0	4.0	4.0	4.0
60°	2.7	4.0	2.7	4.0	2.7
62.5°	2.7	2.7	2.7	2.7	2.7
65°	2.7	2.7	2.7	2.7	2.7
67.5°	2.7	2.7	2.7	2.7	2.7
70°	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3
82.5°	0.0	1.3	0.0	1.3	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)