

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: P1317668

Luminaire Tested: LDSQA3D17R459827DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317668  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R459827DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

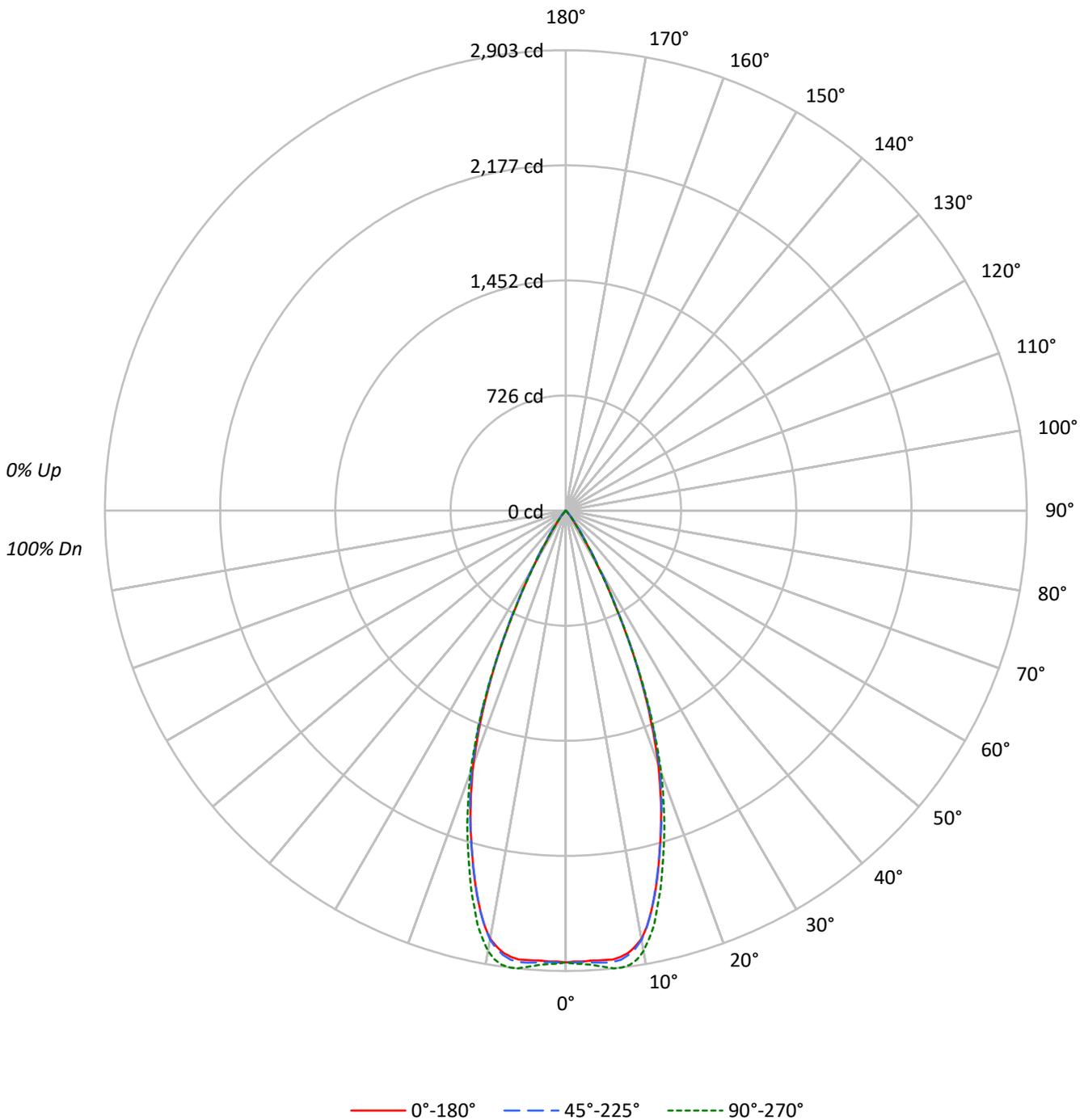
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1473.0 lumens  
Efficiency: N/A  
Efficacy: 72.2 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

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

	0°	45°	90°
0°	490662	490662	490662
5°	491793	494628	499556
10°	479467	480429	493073
15°	404505	404701	417984
20°	312246	316663	321887
25°	193713	193922	195176
30°	79904	84916	78612
35°	24872	30380	23947
40°	7621	10589	7149
45°	536	3994	536
50°	0	589	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: 3994 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	271.2	18.4
10°-20°	630.5	42.8
20°-30°	462.5	31.4
30°-40°	99.4	6.7
40°-50°	9.5	0.6
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°	1364.1	92.6
0°-40°	1463.5	99.4
0°-60°	1473.0	100.0
0°-90°	1473.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1473.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2849	2849	2849	2849	2849	
5°	2845	2852	2861	2881	2890	269
15°	2269	2264	2270	2306	2344	625
25°	1019	1016	1020	1020	1027	457
35°	118	127	144	124	114	93
45°	2	7	16	7	2	6
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°	2849.0	2849.0	2849.0	2849.0	2849.0
1°	2843.6	2850.1	2850.1	2854.5	2856.7
2°	2845.8	2850.1	2849.0	2856.7	2860.0
3°	2842.5	2850.1	2852.3	2861.1	2866.6
4°	2843.6	2850.1	2856.7	2869.8	2877.5
5°	2844.7	2852.3	2861.1	2880.8	2889.6
6°	2845.8	2851.2	2861.1	2886.3	2902.7
7°	2834.8	2842.5	2853.4	2885.2	2902.7
8°	2817.3	2821.7	2830.4	2872.0	2892.8
9°	2784.4	2783.3	2796.5	2842.5	2866.6
10°	2741.7	2728.6	2747.2	2793.2	2819.5
11°	2672.8	2658.5	2674.9	2724.2	2749.4
12°	2583.0	2583.0	2586.3	2630.1	2673.8
13°	2487.7	2476.8	2483.3	2532.6	2563.3
14°	2382.6	2371.6	2378.2	2415.4	2463.6
15°	2268.7	2264.3	2269.8	2305.9	2344.3
17.5°	1998.3	1988.4	2008.1	2044.3	2064.0
20°	1703.7	1720.2	1727.8	1750.8	1756.3
22.5°	1365.4	1382.9	1393.9	1397.1	1400.4
25°	1019.4	1016.1	1020.5	1020.5	1027.1
27.5°	670.1	670.1	682.1	674.5	666.8
30°	401.8	418.3	427.0	412.8	395.3
32.5°	219.0	235.4	249.6	228.8	213.5
35°	118.3	127.0	144.5	123.7	113.9
37.5°	64.6	72.3	83.2	70.1	64.6
40°	33.9	41.6	47.1	41.6	31.8
42.5°	10.9	20.8	27.4	20.8	9.9
45°	2.2	6.6	16.4	6.6	2.2
47.5°	0.0	1.1	7.7	1.1	0.0
50°	0.0	0.0	2.2	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)