

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: P1313847

Luminaire Tested: LDSQA3D17R359727DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313847  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359727DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

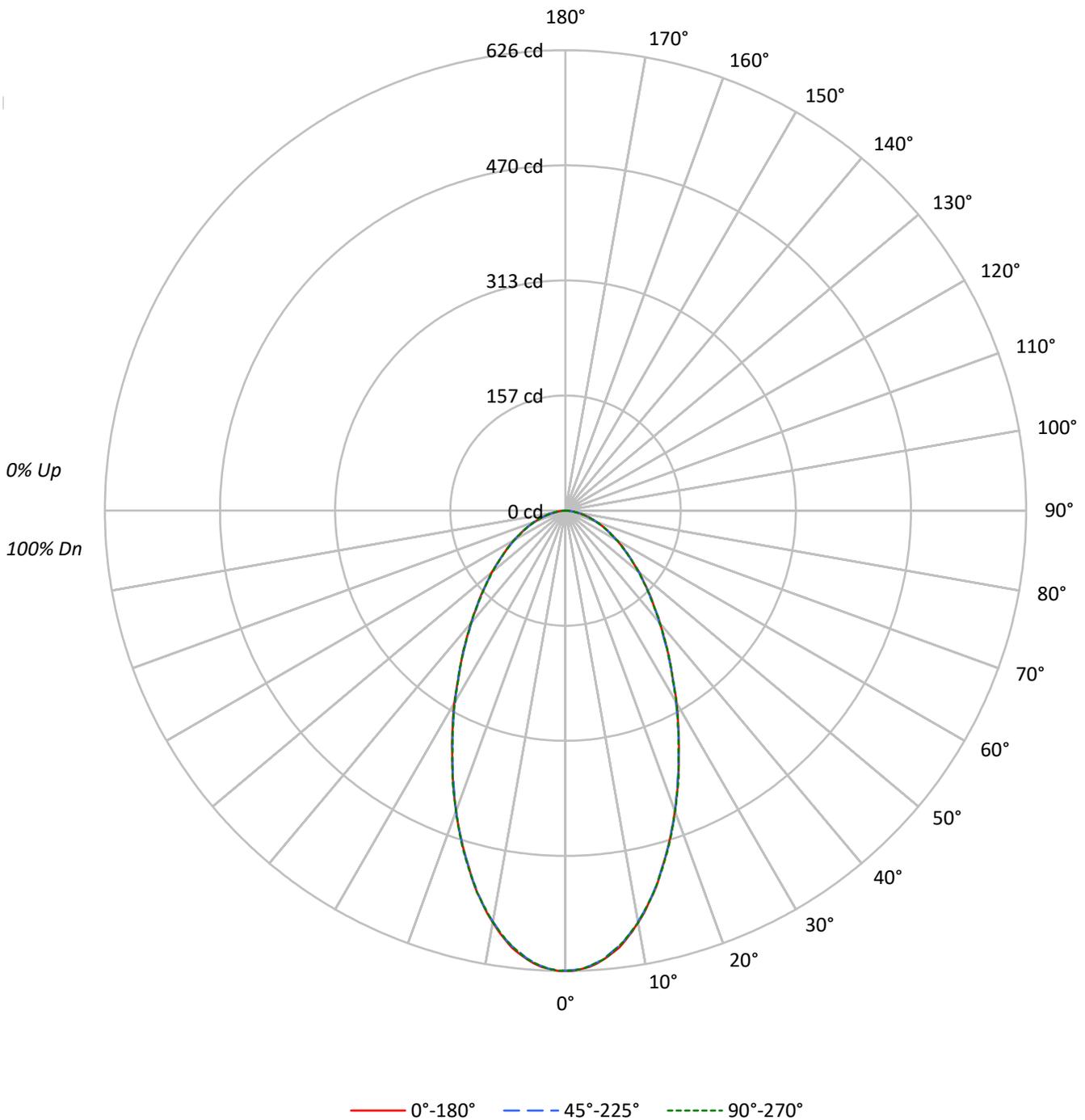
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 836.0 lumens  
Efficiency: N/A  
Efficacy: 39.4 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
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	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	77	73	70	68
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	70	66	62	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	65	60	56	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	52	46	42	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	48	43	39	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	45	40	36	35

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

	0°	45°	90°
0°	107777	107777	107777
5°	105768	105578	105768
10°	99436	99244	99436
15°	90023	90023	90219
20°	79688	79688	79688
25°	69303	69094	69094
30°	60077	59640	59859
35°	51720	51489	51720
40°	44874	44627	44874
45°	39408	39164	39164
50°	34992	34697	34697
55°	30777	30777	30777
60°	27866	27487	27866
65°	25062	25062	25062
70°	22257	22257	22257
75°	20096	19364	20096
80°	17158	17158	17158
85°	10671	10671	10671

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 39408 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.9	6.8
10°-20°	140.8	16.8
20°-30°	167.4	20.0
30°-40°	153.8	18.4
40°-50°	124.9	14.9
50°-60°	92.4	11.1
60°-70°	61.0	7.3
70°-80°	31.7	3.8
80°-90°	7.1	0.9
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°	365.1	43.7
0°-40°	518.9	62.1
0°-60°	736.2	88.1
0°-90°	836.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	836.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	626	626	626	626	626	
5°	612	611	611	611	612	57
15°	505	505	505	505	506	141
25°	365	364	364	365	364	168
35°	246	245	245	246	246	154
45°	162	161	161	161	161	125
55°	102	102	102	102	102	93
65°	62	62	62	62	62	61
75°	30	30	29	30	30	32
85°	5	5	5	5	5	7
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	625.8	625.8	625.8	625.8	625.8
1°	625.8	624.7	624.7	624.7	625.8
2°	623.6	623.6	623.6	623.6	623.6
3°	621.5	620.4	620.4	620.4	620.4
4°	617.1	616.1	616.1	616.1	616.1
5°	611.8	610.7	610.7	610.7	611.8
6°	605.3	604.2	603.1	603.1	604.2
7°	598.8	596.6	596.6	596.6	596.6
8°	589.1	588.0	588.0	588.0	588.0
9°	579.4	577.2	578.3	578.3	578.3
10°	568.6	567.5	567.5	567.5	568.6
11°	557.8	556.7	556.7	555.6	556.7
12°	544.9	544.9	544.9	544.9	544.9
13°	533.0	531.9	531.9	531.9	533.0
14°	520.0	519.0	519.0	519.0	519.0
15°	504.9	504.9	504.9	504.9	506.0
17.5°	470.4	469.3	470.4	470.4	471.5
20°	434.8	433.7	434.8	434.8	434.8
22.5°	399.2	399.2	398.1	399.2	400.3
25°	364.7	363.6	363.6	364.7	363.6
27.5°	332.3	331.2	331.2	331.2	331.2
30°	302.1	299.9	299.9	301.0	301.0
32.5°	270.8	270.8	271.9	270.8	270.8
35°	246.0	244.9	244.9	246.0	246.0
37.5°	221.2	220.1	220.1	221.2	221.2
40°	199.6	199.6	198.5	199.6	199.6
42.5°	179.1	179.1	179.1	179.1	179.1
45°	161.8	160.8	160.8	160.8	160.8
47.5°	144.6	144.6	144.6	143.5	144.6
50°	130.6	129.5	129.5	129.5	129.5
52.5°	115.4	115.4	115.4	115.4	115.4
55°	102.5	102.5	102.5	102.5	102.5
57.5°	91.7	90.6	90.6	90.6	90.6
60°	80.9	80.9	79.8	80.9	80.9
62.5°	70.1	70.1	70.1	70.1	70.1
65°	61.5	61.5	61.5	61.5	61.5
67.5°	52.9	52.9	52.9	52.9	52.9
70°	44.2	44.2	44.2	44.2	44.2
72.5°	37.8	36.7	36.7	36.7	36.7
75°	30.2	30.2	29.1	30.2	30.2
77.5°	22.7	22.7	22.7	22.7	22.7
80°	17.3	17.3	17.3	16.2	17.3
82.5°	10.8	10.8	10.8	10.8	10.8
85°	5.4	5.4	5.4	5.4	5.4
87.5°	1.1	1.1	1.1	2.2	2.2



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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)