

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: P1315628

Luminaire Tested: LDSQA3D13R309735DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315628  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R309735DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

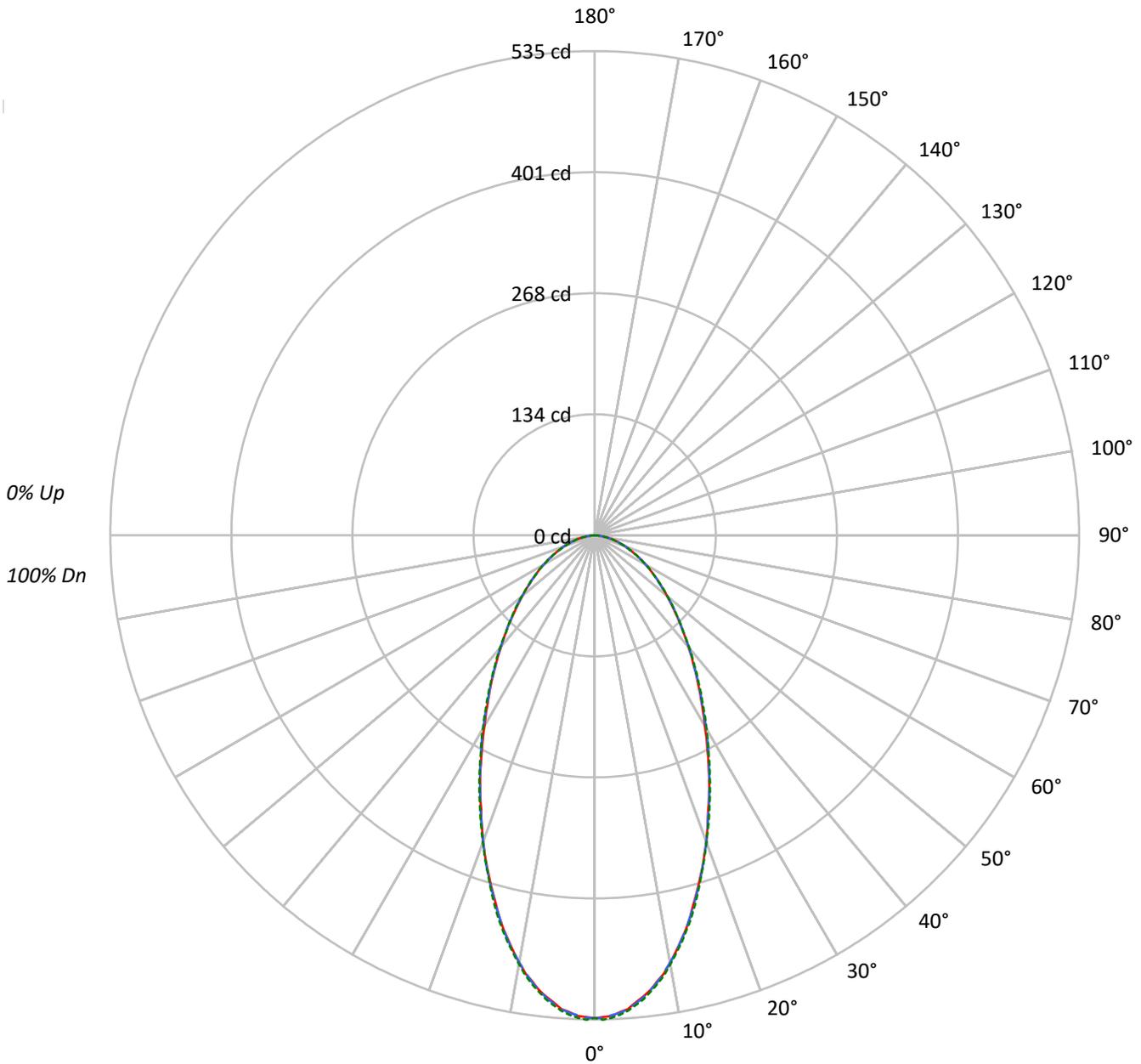
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 685.0 lumens  
Efficiency: N/A  
Efficacy: 46.9 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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



— 0°-180°    - - 45°-225°    - · - · 90°-270°



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	88	
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	77	
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	70	68	
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	60	
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	54	
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	49	
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	45	
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	41	
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	38	
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	35	

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

	0°	45°	90°
0°	91881	91881	91881
5°	89604	89777	90088
10°	83855	83855	84187
15°	75188	75349	75848
20°	65998	65998	66162
25°	56894	56894	57255
30°	48424	49000	49179
35°	41839	42028	42238
40°	36219	36421	36646
45°	31614	31858	31858
50°	27918	27918	28186
55°	25042	25042	25042
60°	22527	22527	22527
65°	20090	20090	20090
70°	18128	18128	18128
75°	16369	15770	15770
80°	14083	13191	13191
85°	9287	9287	9287

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 31858 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.3	7.1
10°-20°	117.8	17.2
20°-30°	137.6	20.1
30°-40°	125.2	18.3
40°-50°	101.1	14.8
50°-60°	74.7	10.9
60°-70°	49.2	7.2
70°-80°	25.4	3.7
80°-90°	5.8	0.8
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°	303.7	44.3
0°-40°	428.8	62.6
0°-60°	604.6	88.3
0°-90°	685.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	685.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	534	534	534	534	534	
5°	518	518	519	519	521	48
15°	422	423	423	423	425	118
25°	299	298	299	299	301	137
35°	199	198	200	200	201	125
45°	130	131	131	131	131	101
55°	83	82	83	82	83	75
65°	49	49	49	49	49	49
75°	25	24	24	24	24	26
85°	5	5	5	5	5	6
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	533.5	533.5	533.5	533.5	533.5
1°	532.5	532.5	533.5	532.5	535.4
2°	531.6	530.6	530.6	530.6	533.5
3°	527.8	527.8	528.7	527.8	530.6
4°	524.9	524.0	524.9	524.0	526.8
5°	518.3	518.3	519.3	519.3	521.1
6°	512.6	512.6	513.6	512.6	515.5
7°	506.0	506.0	506.0	506.0	507.9
8°	497.5	497.5	498.4	498.4	500.3
9°	489.9	488.9	488.9	488.9	491.8
10°	479.5	479.5	479.5	479.5	481.4
11°	469.0	469.0	469.0	469.0	470.9
12°	457.7	457.7	458.6	457.7	460.5
13°	447.2	447.2	447.2	447.2	449.1
14°	434.9	434.0	434.9	434.9	437.8
15°	421.7	422.6	422.6	422.6	425.4
17.5°	391.3	391.3	392.3	390.4	392.3
20°	360.1	359.1	360.1	360.1	361.0
22.5°	327.8	328.8	328.8	328.8	330.7
25°	299.4	298.5	299.4	299.4	301.3
27.5°	270.0	271.0	271.9	271.0	272.9
30°	243.5	245.4	246.4	244.5	247.3
32.5°	219.8	219.8	220.8	221.7	222.7
35°	199.0	198.0	199.9	199.9	200.9
37.5°	179.1	179.1	179.1	180.0	181.0
40°	161.1	161.1	162.0	162.0	163.0
42.5°	145.0	144.0	145.0	145.0	145.0
45°	129.8	130.8	130.8	130.8	130.8
47.5°	116.5	116.5	117.5	116.5	117.5
50°	104.2	104.2	104.2	104.2	105.2
52.5°	92.9	92.9	92.9	92.9	93.8
55°	83.4	82.4	83.4	82.4	83.4
57.5°	73.9	73.9	73.9	73.9	73.9
60°	65.4	64.4	65.4	64.4	65.4
62.5°	56.9	56.9	56.9	56.9	56.9
65°	49.3	49.3	49.3	49.3	49.3
67.5°	42.6	42.6	42.6	41.7	41.7
70°	36.0	36.0	36.0	36.0	36.0
72.5°	30.3	29.4	29.4	29.4	29.4
75°	24.6	23.7	23.7	23.7	23.7
77.5°	19.0	19.0	18.0	18.0	19.0
80°	14.2	13.3	13.3	13.3	13.3
82.5°	8.5	8.5	8.5	8.5	8.5
85°	4.7	4.7	4.7	4.7	4.7
87.5°	0.9	0.9	0.9	1.9	1.9



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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)