

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: P1307163

Luminaire Tested: LDSQA3D13R309024DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307163  
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: LDSQA3D13R309024DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

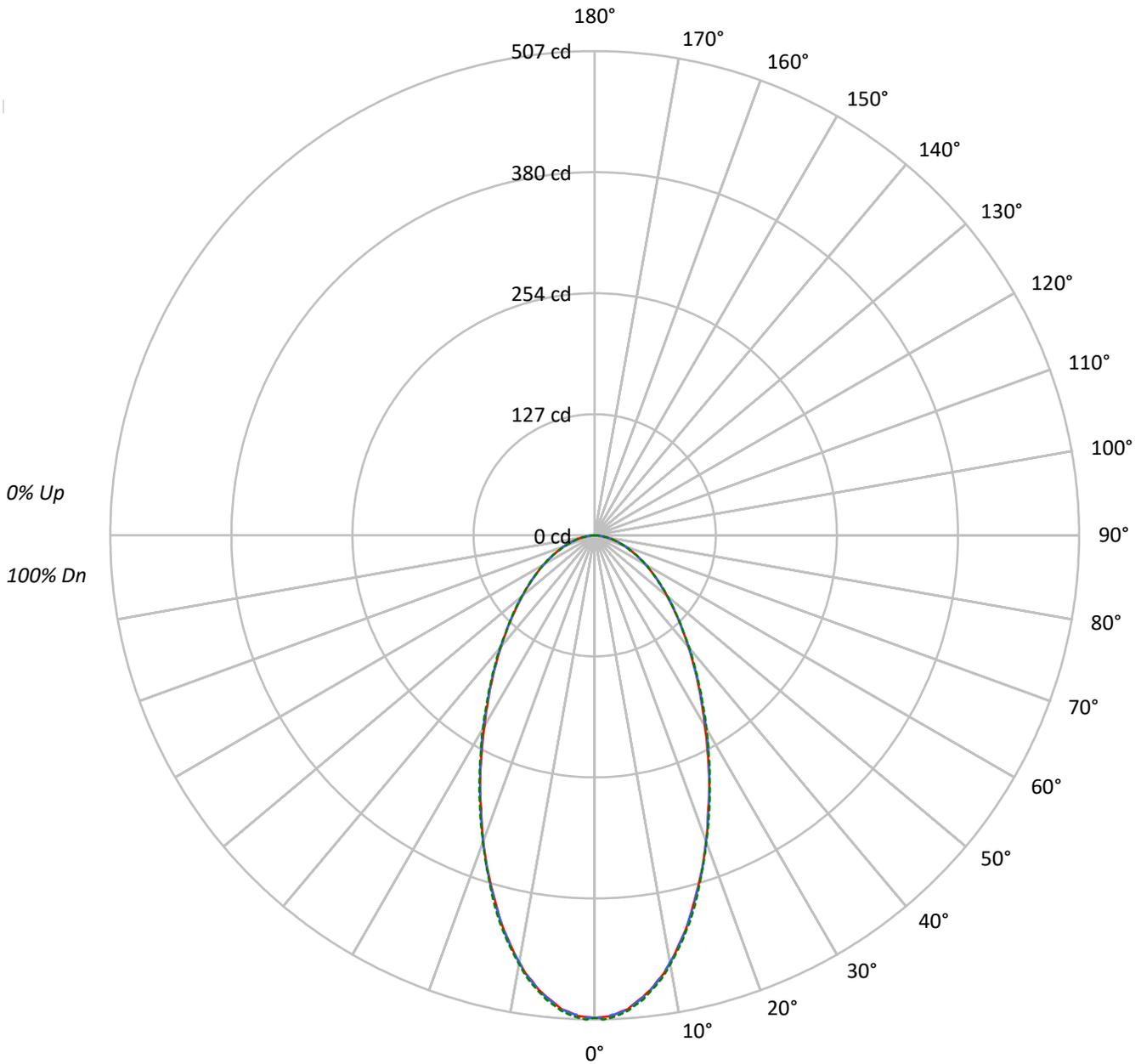
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 649.0 lumens  
Efficiency: N/A  
Efficacy: 44.5 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 (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

TEST NUMBER: P1307163  
CATALOG NUMBER: LDSQA3D13R309024DE010 3LSQPHRLD1MW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1307163

CATALOG NUMBER: LDSQA3D13R309024DE010 3LSQPHRLD1MW

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

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

	0°	45°	90°
0°	87041	87041	87041
5°	84902	85057	85368
10°	79448	79448	79763
15°	71230	71391	71872
20°	62515	62515	62680
25°	53911	53911	54253
30°	45878	46415	46594
35°	39631	39820	40010
40°	34308	34510	34712
45°	29958	30177	30177
50°	26472	26472	26686
55°	23721	23721	23721
60°	21321	21321	21321
65°	19031	19031	19031
70°	17171	17171	17171
75°	15504	14905	14905
80°	13389	12497	12497
85°	8892	8892	8892

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 30177 cd/sqm



TEST NUMBER: P1307163

CATALOG NUMBER: LDSQA3D13R309024DE010 3LSQPHRLD1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.8	7.1
10°-20°	111.6	17.2
20°-30°	130.4	20.1
30°-40°	118.6	18.3
40°-50°	95.8	14.8
50°-60°	70.7	10.9
60°-70°	46.6	7.2
70°-80°	24.1	3.7
80°-90°	5.5	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°	287.7	44.3
0°-40°	406.3	62.6
0°-60°	572.9	88.3
0°-90°	649.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	649.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	505	505	505	505	505	
5°	491	491	492	492	494	46
15°	400	400	400	400	403	112
25°	284	283	284	284	286	130
35°	188	188	189	189	190	118
45°	123	124	124	124	124	96
55°	79	78	79	78	79	71
65°	47	47	47	47	47	47
75°	23	22	22	22	22	25
85°	4	4	4	4	4	6
90°	0	0	0	0	0	



TEST NUMBER: P1307163

CATALOG NUMBER: LDSQA3D13R309024DE010 3LSQPHRLD1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	505.4	505.4	505.4	505.4	505.4
1°	504.5	504.5	505.4	504.5	507.2
2°	503.6	502.7	502.7	502.7	505.4
3°	500.0	500.0	500.9	500.0	502.7
4°	497.4	496.5	497.4	496.5	499.1
5°	491.1	491.1	492.0	492.0	493.8
6°	485.7	485.7	486.6	485.7	488.4
7°	479.4	479.4	479.4	479.4	481.2
8°	471.3	471.3	472.2	472.2	474.0
9°	464.1	463.2	463.2	463.2	465.9
10°	454.3	454.3	454.3	454.3	456.1
11°	444.4	444.4	444.4	444.4	446.2
12°	433.6	433.6	434.5	433.6	436.3
13°	423.7	423.7	423.7	423.7	425.5
14°	412.1	411.2	412.1	412.1	414.8
15°	399.5	400.4	400.4	400.4	403.1
17.5°	370.8	370.8	371.7	369.9	371.7
20°	341.1	340.2	341.1	341.1	342.0
22.5°	310.6	311.5	311.5	311.5	313.3
25°	283.7	282.8	283.7	283.7	285.5
27.5°	255.9	256.8	257.7	256.8	258.6
30°	230.7	232.5	233.4	231.6	234.3
32.5°	208.3	208.3	209.2	210.1	211.0
35°	188.5	187.6	189.4	189.4	190.3
37.5°	169.7	169.7	169.7	170.6	171.5
40°	152.6	152.6	153.5	153.5	154.4
42.5°	137.4	136.5	137.4	137.4	137.4
45°	123.0	123.9	123.9	123.9	123.9
47.5°	110.4	110.4	111.3	110.4	111.3
50°	98.8	98.8	98.8	98.8	99.6
52.5°	88.0	88.0	88.0	88.0	88.9
55°	79.0	78.1	79.0	78.1	79.0
57.5°	70.0	70.0	70.0	70.0	70.0
60°	61.9	61.0	61.9	61.0	61.9
62.5°	53.9	53.9	53.9	53.9	53.9
65°	46.7	46.7	46.7	46.7	46.7
67.5°	40.4	40.4	40.4	39.5	39.5
70°	34.1	34.1	34.1	34.1	34.1
72.5°	28.7	27.8	27.8	27.8	27.8
75°	23.3	22.4	22.4	22.4	22.4
77.5°	18.0	18.0	17.1	17.1	18.0
80°	13.5	12.6	12.6	12.6	12.6
82.5°	8.1	8.1	8.1	8.1	8.1
85°	4.5	4.5	4.5	4.5	4.5
87.5°	0.9	0.9	0.9	1.8	1.8



TEST NUMBER: P1307163

CATALOG NUMBER: LDSQA3D13R309024DE010 3LSQPHRLD1MW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)