

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: P1307320

Luminaire Tested: LDSQA3D17R309024DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307320  
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: LDSQA3D17R309024DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

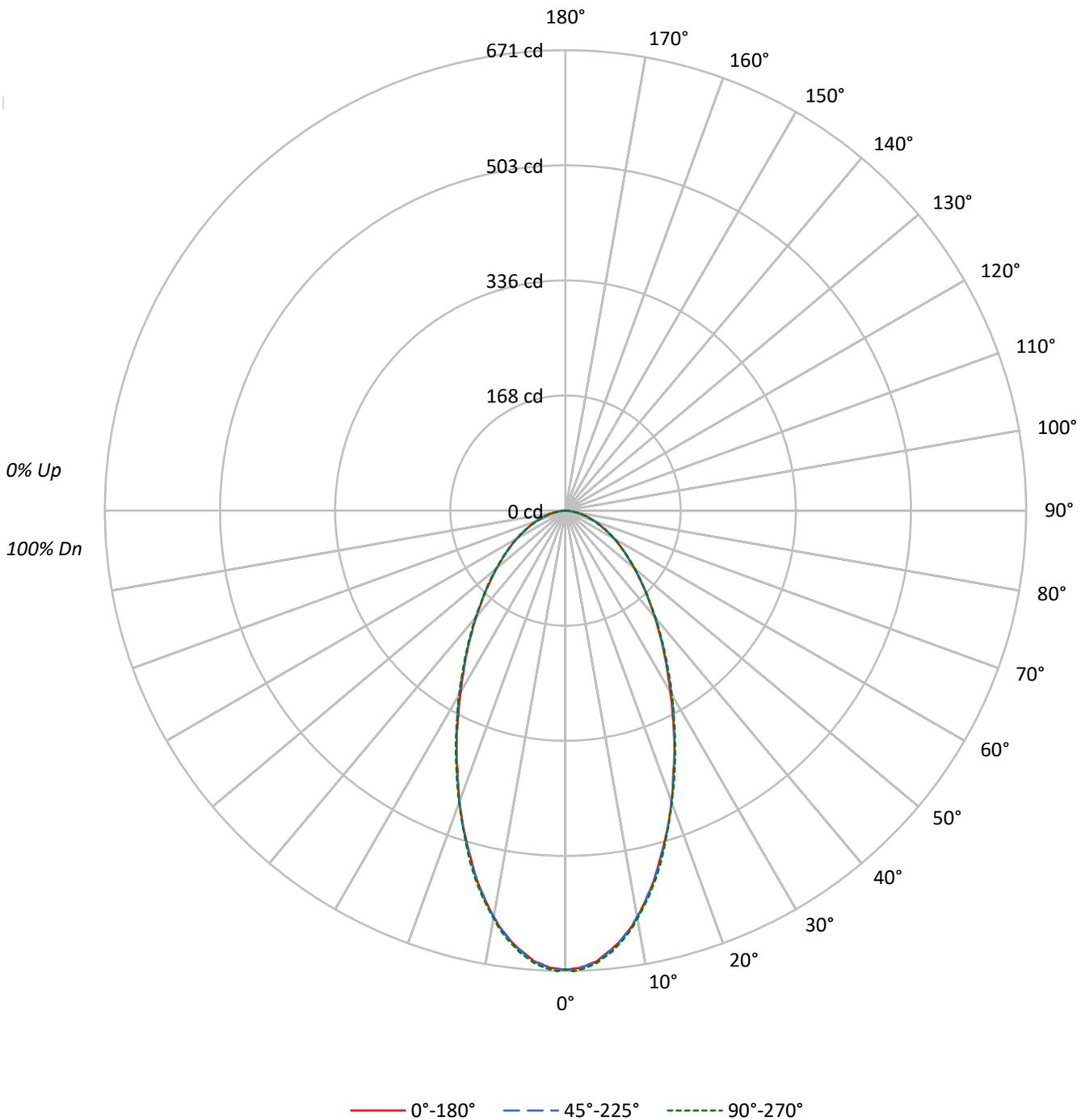
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 859.0 lumens  
Efficiency: N/A  
Efficacy: 40.5 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): 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

TEST NUMBER: P1307320  
CATALOG NUMBER: LDSQA3D17R309024DE010 3LSQPHRLD1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1307320

CATALOG NUMBER: LDSQA3D17R309024DE010 3LSQPHRLD1MW

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

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

	0°	45°	90°
0°	115217	115217	115217
5°	112372	112580	112977
10°	105138	105138	105557
15°	94284	94498	95122
20°	82749	82749	82969
25°	71355	71355	71811
30°	60734	61430	61668
35°	52456	52708	52961
40°	45414	45684	45953
45°	39652	39944	39944
50°	35019	35019	35340
55°	31407	31407	31407
60°	28245	28245	28245
65°	25184	25184	25184
70°	22760	22760	22760
75°	20561	19763	19763
80°	17654	16464	16464
85°	11659	11659	11659

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 39944 cd/sqm



TEST NUMBER: P1307320

CATALOG NUMBER: LDSQA3D17R309024DE010 3LSQPHRLD1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.6	7.1
10°-20°	147.7	17.2
20°-30°	172.5	20.1
30°-40°	157.0	18.3
40°-50°	126.8	14.8
50°-60°	93.6	10.9
60°-70°	61.7	7.2
70°-80°	31.9	3.7
80°-90°	7.2	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°	380.8	44.3
0°-40°	537.8	62.6
0°-60°	758.2	88.3
0°-90°	859.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	859.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	669	669	669	669	669	
5°	650	650	651	651	654	61
15°	529	530	530	530	534	148
25°	376	374	376	376	378	172
35°	250	248	251	251	252	156
45°	163	164	164	164	164	126
55°	105	103	105	103	105	94
65°	62	62	62	62	62	62
75°	31	30	30	30	30	33
85°	6	6	6	6	6	7
90°	0	0	0	0	0	



TEST NUMBER: P1307320

CATALOG NUMBER: LDSQA3D17R309024DE010 3LSQPHRLD1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	669.0	669.0	669.0	669.0	669.0
1°	667.8	667.8	669.0	667.8	671.4
2°	666.6	665.4	665.4	665.4	669.0
3°	661.8	661.8	663.0	661.8	665.4
4°	658.3	657.1	658.3	657.1	660.7
5°	650.0	650.0	651.2	651.2	653.5
6°	642.8	642.8	644.0	642.8	646.4
7°	634.5	634.5	634.5	634.5	636.9
8°	623.8	623.8	625.0	625.0	627.4
9°	614.3	613.1	613.1	613.1	616.7
10°	601.2	601.2	601.2	601.2	603.6
11°	588.2	588.2	588.2	588.2	590.6
12°	573.9	573.9	575.1	573.9	577.5
13°	560.8	560.8	560.8	560.8	563.2
14°	545.4	544.2	545.4	545.4	549.0
15°	528.8	530.0	530.0	530.0	533.5
17.5°	490.7	490.7	491.9	489.6	491.9
20°	451.5	450.3	451.5	451.5	452.7
22.5°	411.1	412.3	412.3	412.3	414.7
25°	375.5	374.3	375.5	375.5	377.9
27.5°	338.6	339.8	341.0	339.8	342.2
30°	305.4	307.8	308.9	306.6	310.1
32.5°	275.7	275.7	276.9	278.0	279.2
35°	249.5	248.3	250.7	250.7	251.9
37.5°	224.6	224.6	224.6	225.8	227.0
40°	202.0	202.0	203.2	203.2	204.4
42.5°	181.8	180.6	181.8	181.8	181.8
45°	162.8	164.0	164.0	164.0	164.0
47.5°	146.2	146.2	147.3	146.2	147.3
50°	130.7	130.7	130.7	130.7	131.9
52.5°	116.4	116.4	116.4	116.4	117.6
55°	104.6	103.4	104.6	103.4	104.6
57.5°	92.7	92.7	92.7	92.7	92.7
60°	82.0	80.8	82.0	80.8	82.0
62.5°	71.3	71.3	71.3	71.3	71.3
65°	61.8	61.8	61.8	61.8	61.8
67.5°	53.5	53.5	53.5	52.3	52.3
70°	45.2	45.2	45.2	45.2	45.2
72.5°	38.0	36.8	36.8	36.8	36.8
75°	30.9	29.7	29.7	29.7	29.7
77.5°	23.8	23.8	22.6	22.6	23.8
80°	17.8	16.6	16.6	16.6	16.6
82.5°	10.7	10.7	10.7	10.7	10.7
85°	5.9	5.9	5.9	5.9	5.9
87.5°	1.2	1.2	1.2	2.4	2.4



TEST NUMBER: P1307320  
CATALOG NUMBER: LDSQA3D17R309024DE010 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)