

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: P1309410

Luminaire Tested: LDSQA3D17R309030DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309410  
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: LDSQA3D17R309030DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

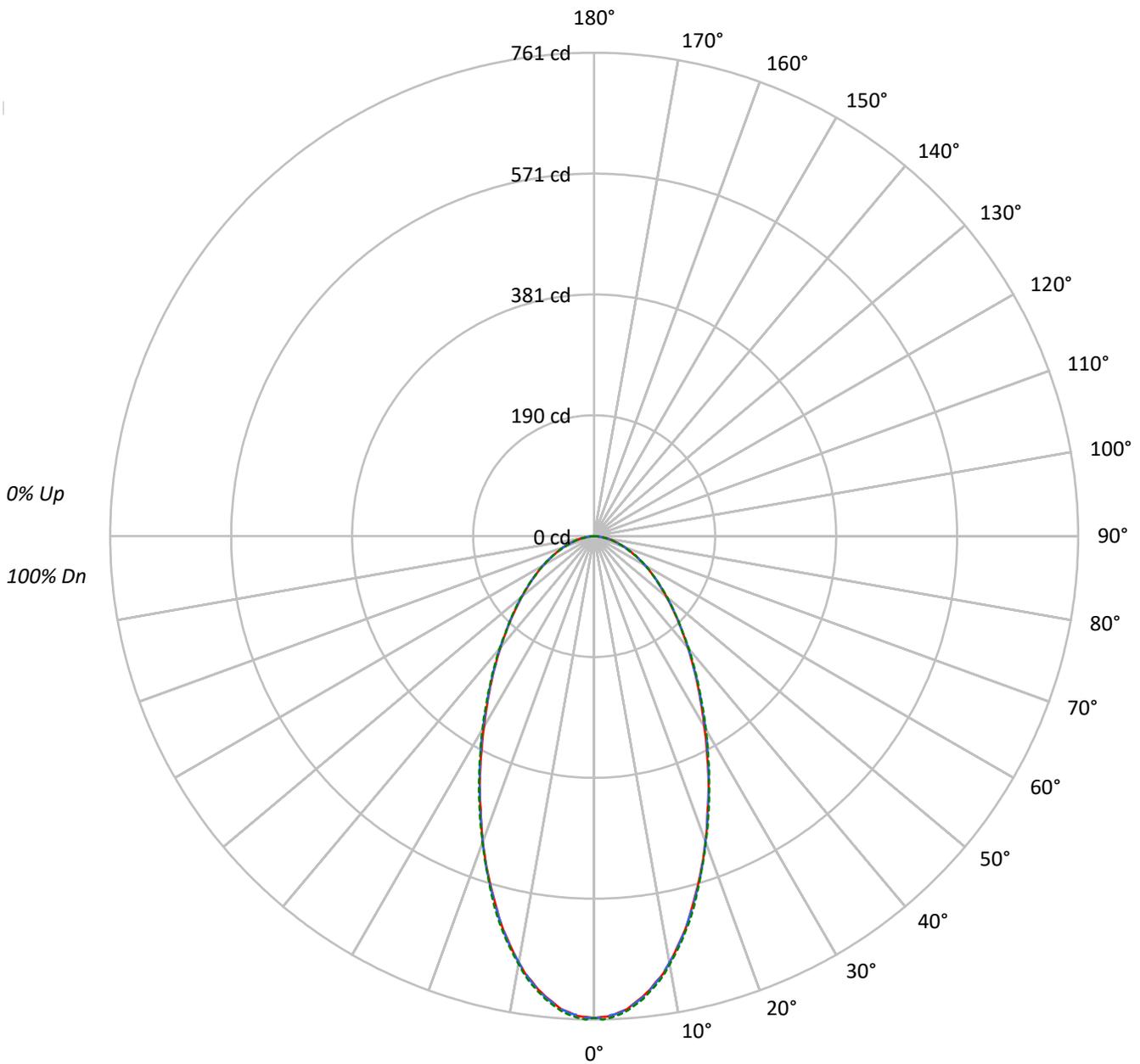
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 974.0 lumens  
Efficiency: N/A  
Efficacy: 45.9 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): 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



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



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CATALOG NUMBER: LDSQA3D17R309030DE010 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	50	30	10
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	74	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°	130631	130631	130631
5°	127413	127638	128104
10°	119215	119215	119687
15°	106907	107139	107852
20°	93837	93837	94075
25°	80894	80894	81407
30°	68867	69663	69921
35°	59478	59773	60046
40°	51484	51799	52091
45°	44961	45278	45278
50°	39707	39707	40082
55°	35611	35611	35611
60°	32033	32033	32033
65°	28567	28567	28567
70°	25782	25782	25782
75°	23290	22425	22425
80°	20034	18745	18745
85°	13239	13239	13239

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 45278 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.7	7.1
10°-20°	167.5	17.2
20°-30°	195.6	20.1
30°-40°	178.0	18.3
40°-50°	143.8	14.8
50°-60°	106.2	10.9
60°-70°	69.9	7.2
70°-80°	36.2	3.7
80°-90°	8.2	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°	431.8	44.3
0°-40°	609.8	62.6
0°-60°	859.7	88.3
0°-90°	974.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	974.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	758	758	758	758	758	
5°	737	737	738	738	741	69
15°	600	601	601	601	605	167
25°	426	424	426	426	428	195
35°	283	282	284	284	286	177
45°	185	186	186	186	186	143
55°	119	117	119	117	119	106
65°	70	70	70	70	70	70
75°	35	34	34	34	34	37
85°	7	7	7	7	7	8
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	758.5	758.5	758.5	758.5	758.5
1°	757.2	757.2	758.5	757.2	761.2
2°	755.8	754.5	754.5	754.5	758.5
3°	750.5	750.5	751.8	750.5	754.5
4°	746.4	745.1	746.4	745.1	749.1
5°	737.0	737.0	738.3	738.3	741.0
6°	728.9	728.9	730.2	728.9	732.9
7°	719.5	719.5	719.5	719.5	722.2
8°	707.3	707.3	708.7	708.7	711.4
9°	696.6	695.2	695.2	695.2	699.3
10°	681.7	681.7	681.7	681.7	684.4
11°	666.9	666.9	666.9	666.9	669.6
12°	650.7	650.7	652.1	650.7	654.8
13°	635.9	635.9	635.9	635.9	638.6
14°	618.4	617.1	618.4	618.4	622.5
15°	599.6	600.9	600.9	600.9	604.9
17.5°	556.4	556.4	557.8	555.1	557.8
20°	512.0	510.6	512.0	512.0	513.3
22.5°	466.2	467.5	467.5	467.5	470.2
25°	425.7	424.4	425.7	425.7	428.4
27.5°	384.0	385.3	386.7	385.3	388.0
30°	346.3	349.0	350.3	347.6	351.6
32.5°	312.6	312.6	313.9	315.3	316.6
35°	282.9	281.6	284.3	284.3	285.6
37.5°	254.6	254.6	254.6	256.0	257.3
40°	229.0	229.0	230.4	230.4	231.7
42.5°	206.1	204.8	206.1	206.1	206.1
45°	184.6	185.9	185.9	185.9	185.9
47.5°	165.7	165.7	167.1	165.7	167.1
50°	148.2	148.2	148.2	148.2	149.6
52.5°	132.0	132.0	132.0	132.0	133.4
55°	118.6	117.2	118.6	117.2	118.6
57.5°	105.1	105.1	105.1	105.1	105.1
60°	93.0	91.6	93.0	91.6	93.0
62.5°	80.8	80.8	80.8	80.8	80.8
65°	70.1	70.1	70.1	70.1	70.1
67.5°	60.6	60.6	60.6	59.3	59.3
70°	51.2	51.2	51.2	51.2	51.2
72.5°	43.1	41.8	41.8	41.8	41.8
75°	35.0	33.7	33.7	33.7	33.7
77.5°	26.9	26.9	25.6	25.6	26.9
80°	20.2	18.9	18.9	18.9	18.9
82.5°	12.1	12.1	12.1	12.1	12.1
85°	6.7	6.7	6.7	6.7	6.7
87.5°	1.3	1.3	1.3	2.7	2.7



TEST NUMBER: P1309410

CATALOG NUMBER: LDSQA3D17R309030DE010 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)