

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: P1309376

Luminaire Tested: LDSQA3D17R209030DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309376  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R209030DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

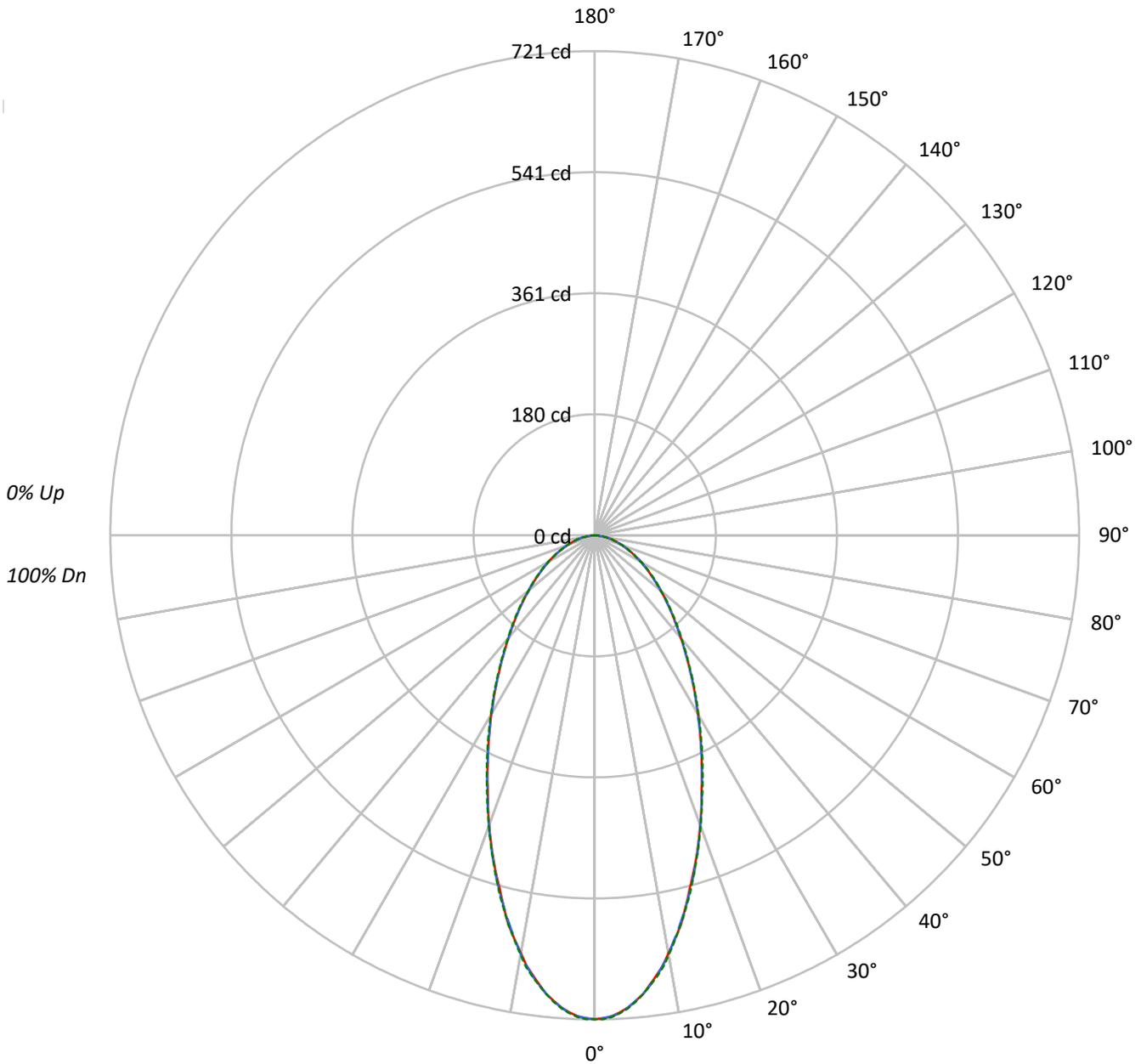
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 862.0 lumens  
Efficiency: N/A  
Efficacy: 40.7 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86  
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

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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	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	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	79	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	70	70	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	52	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	47	47	45
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	40	40	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	37	37	36

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

	0°	45°	90°
0°	124121	124121	124121
5°	120359	120359	120584
10°	110506	110734	110944
15°	97297	97743	97975
20°	84197	84197	84435
25°	71659	71659	72134
30°	61171	60913	61430
35°	52225	52225	52498
40°	44852	44852	45144
45°	39189	39189	39505
50°	34483	34483	34483
55°	30537	30537	30927
60°	27487	27487	27487
65°	24655	24655	24655
70°	22055	22055	22055
75°	19696	18831	19696
80°	16563	16563	16563
85°	10078	10078	12647

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 39505 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.4	7.5
10°-20°	152.6	17.7
20°-30°	173.7	20.2
30°-40°	156.0	18.1
40°-50°	125.0	14.5
50°-60°	91.8	10.7
60°-70°	60.1	7.0
70°-80°	31.1	3.6
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°	390.8	45.3
0°-40°	546.8	63.4
0°-60°	763.6	88.6
0°-90°	862.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	862.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	721	721	721	721	721	
5°	696	696	696	696	698	64
15°	546	546	548	548	550	153
25°	377	377	377	378	380	174
35°	248	248	248	248	250	156
45°	161	161	161	161	162	125
55°	102	102	102	102	103	92
65°	60	59	60	60	60	60
75°	30	28	28	30	30	31
85°	5	5	5	6	6	7
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	720.7	720.7	720.7	720.7	720.7
1°	719.4	718.1	719.4	719.4	720.7
2°	716.8	716.8	716.8	715.5	718.1
3°	711.7	711.7	713.0	711.7	713.0
4°	705.2	705.2	705.2	703.9	706.5
5°	696.2	696.2	696.2	696.2	697.5
6°	687.2	685.9	687.2	685.9	687.2
7°	674.3	674.3	675.6	674.3	675.6
8°	661.5	660.2	662.8	661.5	664.0
9°	648.6	647.3	648.6	647.3	651.2
10°	631.9	633.2	633.2	633.2	634.4
12.5°	593.3	590.7	590.7	590.7	593.3
15°	545.7	545.7	548.2	548.2	549.5
17.5°	503.2	501.9	504.5	504.5	504.5
20°	459.4	458.1	459.4	459.4	460.7
22.5°	415.7	417.0	417.0	417.0	418.2
25°	377.1	377.1	377.1	378.4	379.6
27.5°	341.0	339.7	341.0	342.3	343.6
30°	307.6	306.3	306.3	307.6	308.9
32.5°	276.7	275.4	276.7	276.7	278.0
35°	248.4	248.4	248.4	248.4	249.7
37.5°	222.6	222.6	222.6	223.9	223.9
40°	199.5	199.5	199.5	200.8	200.8
42.5°	178.9	178.9	178.9	180.2	181.5
45°	160.9	160.9	160.9	160.9	162.2
47.5°	144.1	144.1	144.1	145.4	145.4
50°	128.7	127.4	128.7	130.0	128.7
52.5°	114.5	114.5	114.5	114.5	115.8
55°	101.7	101.7	101.7	101.7	103.0
57.5°	90.1	90.1	90.1	91.4	91.4
60°	79.8	79.8	79.8	79.8	79.8
62.5°	69.5	69.5	69.5	69.5	69.5
65°	60.5	59.2	60.5	60.5	60.5
67.5°	51.5	51.5	51.5	51.5	51.5
70°	43.8	43.8	43.8	43.8	43.8
72.5°	36.0	36.0	36.0	36.0	36.0
75°	29.6	28.3	28.3	29.6	29.6
77.5°	23.2	21.9	23.2	23.2	23.2
80°	16.7	16.7	16.7	16.7	16.7
82.5°	10.3	10.3	10.3	11.6	11.6
85°	5.1	5.1	5.1	6.4	6.4
87.5°	1.3	1.3	1.3	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)