

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: P1316712

Luminaire Tested: LDSQA3D17R209740DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316712  
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: LDSQA3D17R209740DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

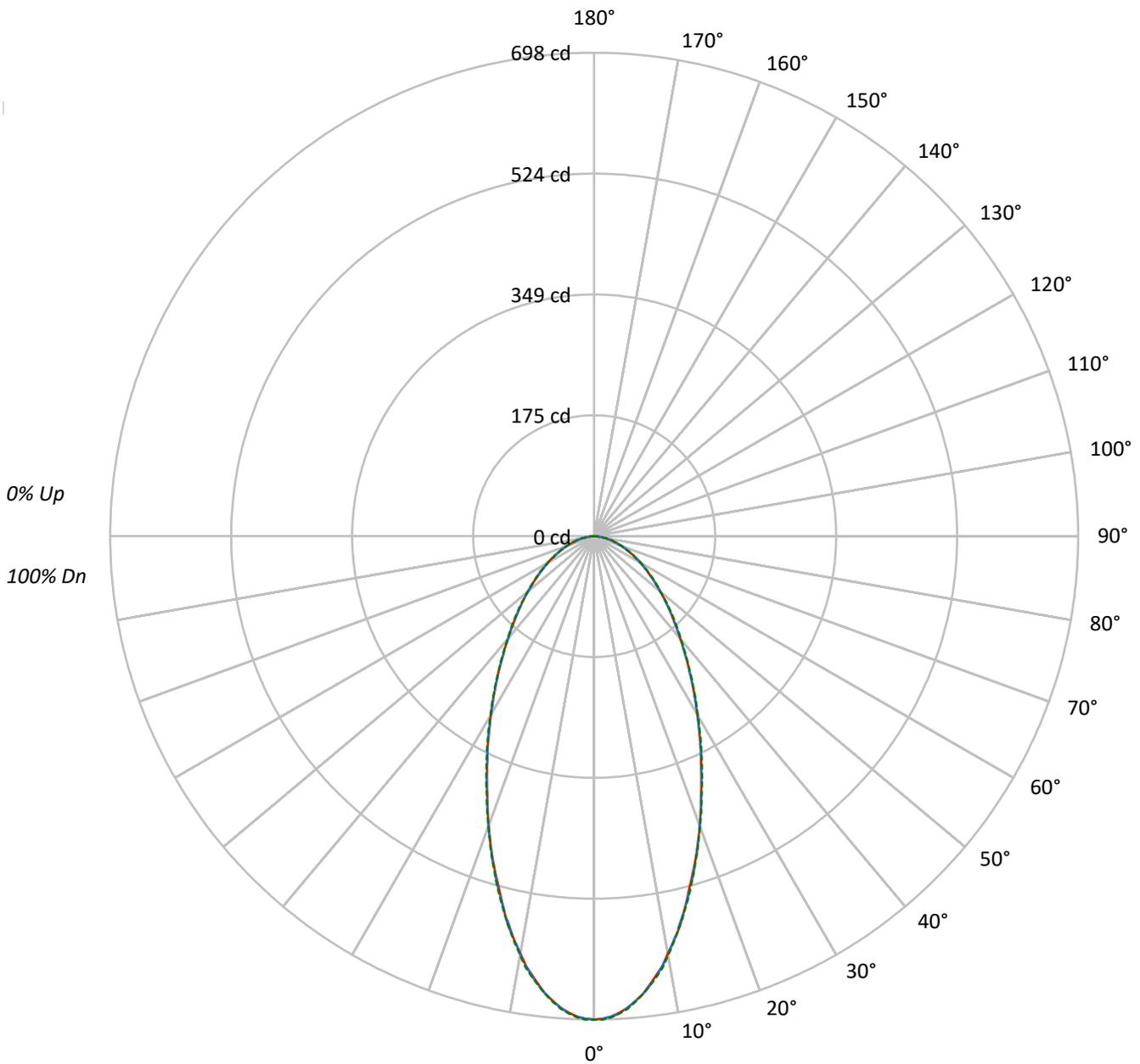
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 835.0 lumens  
Efficiency: N/A  
Efficacy: 39.4 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	46
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°	120229	120229	120229
5°	116591	116591	116815
10°	107044	107254	107481
15°	94248	94694	94908
20°	81558	81558	81796
25°	69417	69417	69873
30°	59242	59003	59501
35°	50585	50585	50837
40°	43435	43435	43728
45°	37947	37947	38263
50°	33411	33411	33411
55°	29576	29576	29936
60°	26626	26626	26626
65°	23880	23880	23880
70°	21350	21350	21350
75°	19097	18232	19097
80°	16067	16067	16067
85°	9880	9880	12251

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 38263 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.4	7.5
10°-20°	147.8	17.7
20°-30°	168.3	20.2
30°-40°	151.1	18.1
40°-50°	121.1	14.5
50°-60°	89.0	10.7
60°-70°	58.2	7.0
70°-80°	30.1	3.6
80°-90°	7.0	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°	378.5	45.3
0°-40°	529.6	63.4
0°-60°	739.7	88.6
0°-90°	835.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	835.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	698	698	698	698	698	
5°	674	674	674	674	676	62
15°	529	529	531	531	532	148
25°	365	365	365	366	368	168
35°	241	241	241	241	242	151
45°	156	156	156	156	157	121
55°	98	98	98	98	100	89
65°	59	57	59	59	59	58
75°	29	27	27	29	29	30
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°	698.1	698.1	698.1	698.1	698.1
1°	696.9	695.6	696.9	696.9	698.1
2°	694.4	694.4	694.4	693.1	695.6
3°	689.4	689.4	690.6	689.4	690.6
4°	683.1	683.1	683.1	681.9	684.4
5°	674.4	674.4	674.4	674.4	675.7
6°	665.7	664.4	665.7	664.4	665.7
7°	653.2	653.2	654.5	653.2	654.5
8°	640.8	639.5	642.0	640.8	643.2
9°	628.3	627.0	628.3	627.0	630.8
10°	612.1	613.3	613.3	613.3	614.6
12.5°	574.7	572.2	572.2	572.2	574.7
15°	528.6	528.6	531.1	531.1	532.3
17.5°	487.4	486.2	488.7	488.7	488.7
20°	445.0	443.8	445.0	445.0	446.3
22.5°	402.7	403.9	403.9	403.9	405.1
25°	365.3	365.3	365.3	366.5	367.7
27.5°	330.4	329.1	330.4	331.6	332.8
30°	297.9	296.7	296.7	297.9	299.2
32.5°	268.0	266.8	268.0	268.0	269.3
35°	240.6	240.6	240.6	240.6	241.8
37.5°	215.7	215.7	215.7	216.9	216.9
40°	193.2	193.2	193.2	194.5	194.5
42.5°	173.3	173.3	173.3	174.5	175.8
45°	155.8	155.8	155.8	155.8	157.1
47.5°	139.6	139.6	139.6	140.9	140.9
50°	124.7	123.4	124.7	125.9	124.7
52.5°	110.9	110.9	110.9	110.9	112.2
55°	98.5	98.5	98.5	98.5	99.7
57.5°	87.3	87.3	87.3	88.5	88.5
60°	77.3	77.3	77.3	77.3	77.3
62.5°	67.3	67.3	67.3	67.3	67.3
65°	58.6	57.3	58.6	58.6	58.6
67.5°	49.9	49.9	49.9	49.9	49.9
70°	42.4	42.4	42.4	42.4	42.4
72.5°	34.9	34.9	34.9	34.9	34.9
75°	28.7	27.4	27.4	28.7	28.7
77.5°	22.4	21.2	22.4	22.4	22.4
80°	16.2	16.2	16.2	16.2	16.2
82.5°	10.0	10.0	10.0	11.2	11.2
85°	5.0	5.0	5.0	6.2	6.2
87.5°	1.2	1.2	1.2	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)