

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: P1314768

Luminaire Tested: LDSQA3D17R209730DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314768  
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: LDSQA3D17R209730DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

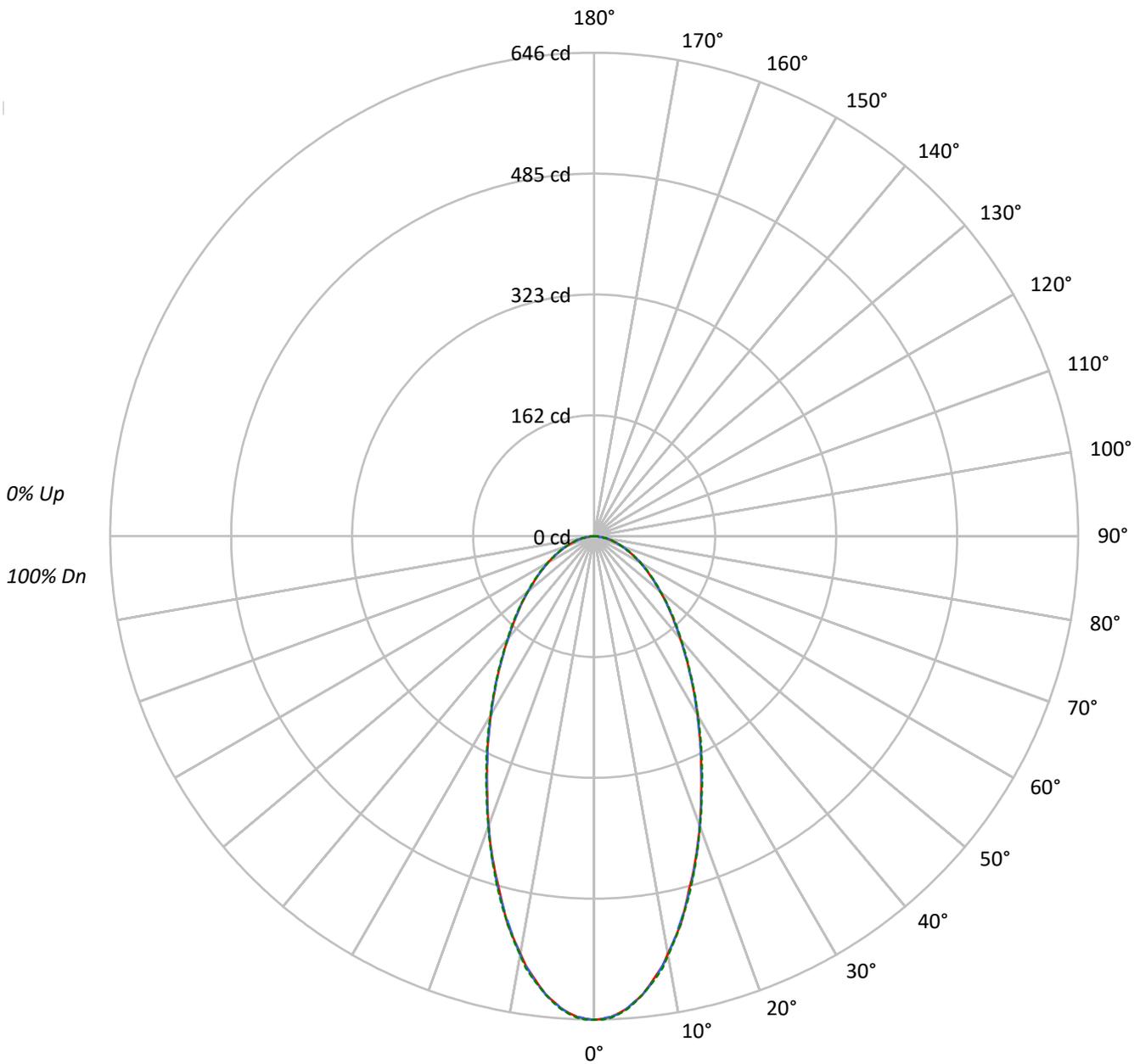
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 773.0 lumens  
Efficiency: N/A  
Efficacy: 36.5 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 (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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**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°	111307	111307	111307
5°	107929	107929	108137
10°	99087	99297	99489
15°	87241	87651	87865
20°	75510	75510	75711
25°	64248	64248	64685
30°	54847	54628	55086
35°	46822	46822	47074
40°	40220	40220	40468
45°	35146	35146	35414
50°	30919	30919	30919
55°	27384	27384	27714
60°	24662	24662	24662
65°	22087	22087	22087
70°	19739	19739	19739
75°	17634	16902	17634
80°	14877	14877	14877
85°	9090	9090	11461

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 35414 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.8	7.5
10°-20°	136.8	17.7
20°-30°	155.8	20.2
30°-40°	139.9	18.1
40°-50°	112.1	14.5
50°-60°	82.4	10.7
60°-70°	53.8	7.0
70°-80°	27.9	3.6
80°-90°	6.5	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°	350.4	45.3
0°-40°	490.3	63.4
0°-60°	684.8	88.6
0°-90°	773.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	773.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	646	646	646	646	646	
5°	624	624	624	624	626	58
15°	489	489	492	492	493	137
25°	338	338	338	339	340	156
35°	223	223	223	223	224	140
45°	144	144	144	144	145	112
55°	91	91	91	91	92	82
65°	54	53	54	54	54	54
75°	26	25	25	26	26	28
85°	5	5	5	6	6	6
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	646.3	646.3	646.3	646.3	646.3
1°	645.1	644.0	645.1	645.1	646.3
2°	642.8	642.8	642.8	641.6	644.0
3°	638.2	638.2	639.3	638.2	639.3
4°	632.4	632.4	632.4	631.3	633.6
5°	624.3	624.3	624.3	624.3	625.5
6°	616.3	615.1	616.3	615.1	616.3
7°	604.7	604.7	605.9	604.7	605.9
8°	593.2	592.0	594.3	593.2	595.5
9°	581.6	580.5	581.6	580.5	583.9
10°	566.6	567.8	567.8	567.8	568.9
12.5°	532.0	529.7	529.7	529.7	532.0
15°	489.3	489.3	491.6	491.6	492.8
17.5°	451.2	450.1	452.4	452.4	452.4
20°	412.0	410.8	412.0	412.0	413.1
22.5°	372.8	373.9	373.9	373.9	375.1
25°	338.1	338.1	338.1	339.3	340.4
27.5°	305.8	304.7	305.8	307.0	308.1
30°	275.8	274.7	274.7	275.8	277.0
32.5°	248.1	247.0	248.1	248.1	249.3
35°	222.7	222.7	222.7	222.7	223.9
37.5°	199.6	199.6	199.6	200.8	200.8
40°	178.9	178.9	178.9	180.0	180.0
42.5°	160.4	160.4	160.4	161.6	162.7
45°	144.3	144.3	144.3	144.3	145.4
47.5°	129.3	129.3	129.3	130.4	130.4
50°	115.4	114.3	115.4	116.6	115.4
52.5°	102.7	102.7	102.7	102.7	103.9
55°	91.2	91.2	91.2	91.2	92.3
57.5°	80.8	80.8	80.8	81.9	81.9
60°	71.6	71.6	71.6	71.6	71.6
62.5°	62.3	62.3	62.3	62.3	62.3
65°	54.2	53.1	54.2	54.2	54.2
67.5°	46.2	46.2	46.2	46.2	46.2
70°	39.2	39.2	39.2	39.2	39.2
72.5°	32.3	32.3	32.3	32.3	32.3
75°	26.5	25.4	25.4	26.5	26.5
77.5°	20.8	19.6	20.8	20.8	20.8
80°	15.0	15.0	15.0	15.0	15.0
82.5°	9.2	9.2	9.2	10.4	10.4
85°	4.6	4.6	4.6	5.8	5.8
87.5°	1.2	1.2	1.2	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)