

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: P1316566

Luminaire Tested: LDSQA3D13R209740DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316566  
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: LDSQA3D13R209740DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

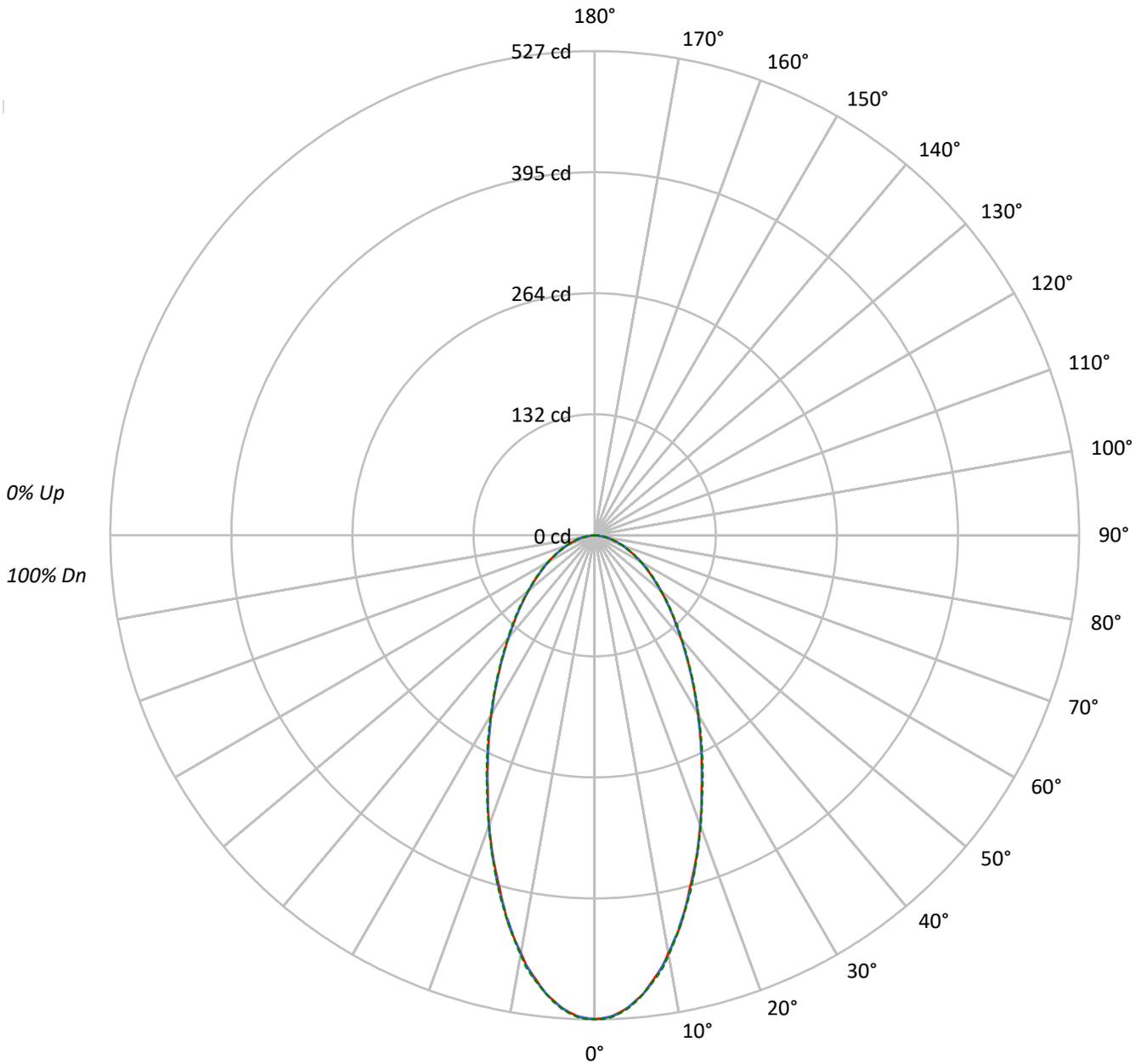
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 630.0 lumens  
Efficiency: N/A  
Efficacy: 43.1 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): 14.6  
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°	90710	90710	90710
5°	87962	87962	88134
10°	80759	80934	81092
15°	71105	71444	71604
20°	61544	61544	61709
25°	52371	52371	52732
30°	44705	44526	44884
35°	38159	38159	38370
40°	32779	32779	32981
45°	28643	28643	28862
50°	25212	25212	25212
55°	22309	22309	22580
60°	20081	20081	20081
65°	18012	18012	18012
70°	16113	16113	16113
75°	14373	13774	14373
80°	12100	12100	12100
85°	7509	7509	9287

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 28862 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.1	7.5
10°-20°	111.5	17.7
20°-30°	127.0	20.2
30°-40°	114.0	18.1
40°-50°	91.4	14.5
50°-60°	67.1	10.7
60°-70°	43.9	7.0
70°-80°	22.7	3.6
80°-90°	5.3	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°	285.6	45.3
0°-40°	399.6	63.4
0°-60°	558.1	88.6
0°-90°	630.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	630.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	527	527	527	527	527	
5°	509	509	509	509	510	47
15°	399	399	401	401	402	111
25°	276	276	276	276	278	127
35°	182	182	182	182	182	114
45°	118	118	118	118	118	91
55°	74	74	74	74	75	67
65°	44	43	44	44	44	44
75°	22	21	21	22	22	23
85°	4	4	4	5	5	5
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	526.7	526.7	526.7	526.7	526.7
1°	525.8	524.8	525.8	525.8	526.7
2°	523.9	523.9	523.9	522.9	524.8
3°	520.1	520.1	521.1	520.1	521.1
4°	515.4	515.4	515.4	514.5	516.4
5°	508.8	508.8	508.8	508.8	509.8
6°	502.3	501.3	502.3	501.3	502.3
7°	492.8	492.8	493.8	492.8	493.8
8°	483.4	482.5	484.4	483.4	485.3
9°	474.0	473.1	474.0	473.1	475.9
10°	461.8	462.8	462.8	462.8	463.7
12.5°	433.6	431.7	431.7	431.7	433.6
15°	398.8	398.8	400.7	400.7	401.6
17.5°	367.8	366.8	368.7	368.7	368.7
20°	335.8	334.8	335.8	335.8	336.7
22.5°	303.8	304.7	304.7	304.7	305.7
25°	275.6	275.6	275.6	276.5	277.5
27.5°	249.2	248.3	249.2	250.2	251.1
30°	224.8	223.9	223.9	224.8	225.7
32.5°	202.2	201.3	202.2	202.2	203.2
35°	181.5	181.5	181.5	181.5	182.5
37.5°	162.7	162.7	162.7	163.7	163.7
40°	145.8	145.8	145.8	146.7	146.7
42.5°	130.7	130.7	130.7	131.7	132.6
45°	117.6	117.6	117.6	117.6	118.5
47.5°	105.3	105.3	105.3	106.3	106.3
50°	94.1	93.1	94.1	95.0	94.1
52.5°	83.7	83.7	83.7	83.7	84.6
55°	74.3	74.3	74.3	74.3	75.2
57.5°	65.8	65.8	65.8	66.8	66.8
60°	58.3	58.3	58.3	58.3	58.3
62.5°	50.8	50.8	50.8	50.8	50.8
65°	44.2	43.3	44.2	44.2	44.2
67.5°	37.6	37.6	37.6	37.6	37.6
70°	32.0	32.0	32.0	32.0	32.0
72.5°	26.3	26.3	26.3	26.3	26.3
75°	21.6	20.7	20.7	21.6	21.6
77.5°	16.9	16.0	16.9	16.9	16.9
80°	12.2	12.2	12.2	12.2	12.2
82.5°	7.5	7.5	7.5	8.5	8.5
85°	3.8	3.8	3.8	4.7	4.7
87.5°	0.9	0.9	0.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)