

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: P1307968

Luminaire Tested: LDSQA3D09R309027DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307968  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R309027DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

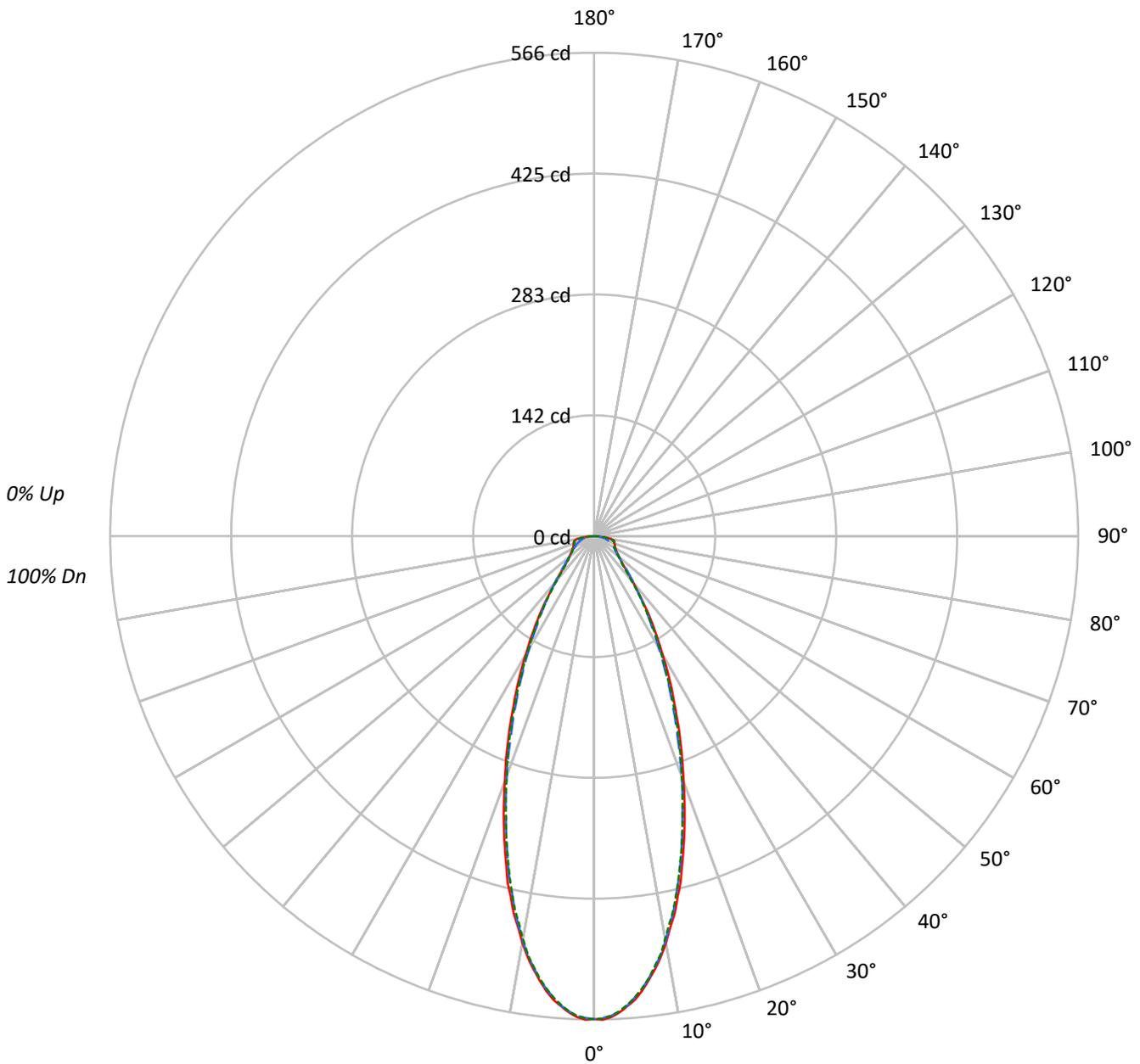
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 446.0 lumens  
Efficiency: N/A  
Efficacy: 40.2 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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% Up  
100% Dn

— 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	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	74	74	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	58	58	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	54	54	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	48	48	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	45	45	45	43

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

	0°	45°	90°
0°	97409	97409	97409
5°	94237	93770	93770
10°	84572	84100	83732
15°	70873	69786	69661
20°	55954	54836	54836
25°	42832	41141	41920
30°	31779	30148	30844
35°	22980	21971	22118
40°	15827	16120	15355
45°	11813	12300	11301
50°	10262	10074	10074
55°	9638	9218	9428
60°	9886	9162	9644
65°	10840	9169	10595
70°	12740	9265	12387
75°	16369	9981	15903
80°	20332	10811	18943
85°	16203	10868	14820

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 20332 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.9	11.2
10°-20°	108.5	24.3
20°-30°	101.0	22.7
30°-40°	67.0	15.0
40°-50°	39.0	8.8
50°-60°	28.4	6.4
60°-70°	24.0	5.4
70°-80°	19.9	4.5
80°-90°	8.3	1.9
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°	259.3	58.2
0°-40°	326.4	73.2
0°-60°	393.8	88.3
0°-90°	446.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	446.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	566	566	566	566	566	
5°	545	544	542	542	542	50
15°	398	393	391	391	391	110
25°	225	221	216	217	221	104
35°	109	107	104	105	105	69
45°	48	49	50	48	46	39
55°	32	31	31	31	31	29
65°	27	24	22	24	26	27
75°	25	18	15	18	24	25
85°	8	10	6	9	8	9
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	565.6	565.6	565.6	565.6	565.6
1°	566.3	565.6	564.2	564.9	564.9
2°	563.5	562.8	562.2	562.2	562.2
3°	558.7	558.1	557.4	557.4	557.4
4°	551.9	551.2	551.2	550.5	550.5
5°	545.1	544.4	542.4	542.4	542.4
6°	535.5	534.8	533.5	532.8	532.8
7°	523.9	523.9	521.9	521.2	521.9
8°	511.6	510.9	509.6	508.9	508.9
9°	498.6	496.6	496.6	494.5	495.9
10°	483.6	482.2	480.9	479.5	478.8
11°	466.5	465.8	463.8	462.4	461.7
12°	452.2	448.8	447.4	445.4	446.7
13°	433.7	431.7	428.3	427.6	428.3
14°	418.0	413.9	411.2	409.8	409.2
15°	397.5	393.4	391.4	390.7	390.7
17.5°	351.8	349.0	343.6	343.6	343.6
20°	305.3	302.6	299.2	298.5	299.2
22.5°	265.0	260.2	254.8	255.5	259.6
25°	225.4	221.3	216.5	217.2	220.6
27.5°	191.9	186.5	181.7	183.1	185.1
30°	159.8	156.4	151.6	153.0	155.1
32.5°	132.5	130.5	125.0	126.4	128.4
35°	109.3	107.2	104.5	105.2	105.2
37.5°	87.4	87.4	86.7	86.1	85.4
40°	70.4	71.7	71.7	69.7	68.3
42.5°	57.4	58.7	60.1	57.4	55.3
45°	48.5	49.2	50.5	47.8	46.4
47.5°	42.3	42.3	43.7	41.7	41.0
50°	38.3	38.3	37.6	36.9	37.6
52.5°	34.8	34.2	33.5	34.2	34.2
55°	32.1	31.4	30.7	31.4	31.4
57.5°	30.1	29.4	28.7	28.7	29.4
60°	28.7	27.3	26.6	27.3	28.0
62.5°	27.3	25.3	24.6	25.3	26.6
65°	26.6	23.9	22.5	23.9	26.0
67.5°	26.0	22.5	20.5	22.5	25.3
70°	25.3	21.2	18.4	21.2	24.6
72.5°	24.6	19.8	17.1	19.8	24.6
75°	24.6	18.4	15.0	18.4	23.9
77.5°	23.2	17.1	13.0	17.1	22.5
80°	20.5	15.7	10.9	15.0	19.1
82.5°	15.0	13.7	8.2	13.0	14.3
85°	8.2	9.6	5.5	8.9	7.5
87.5°	1.4	2.0	1.4	4.1	2.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)