

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: P1313517

Luminaire Tested: LDSQA3D09R309727DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313517  
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: LDSQA3D09R309727DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

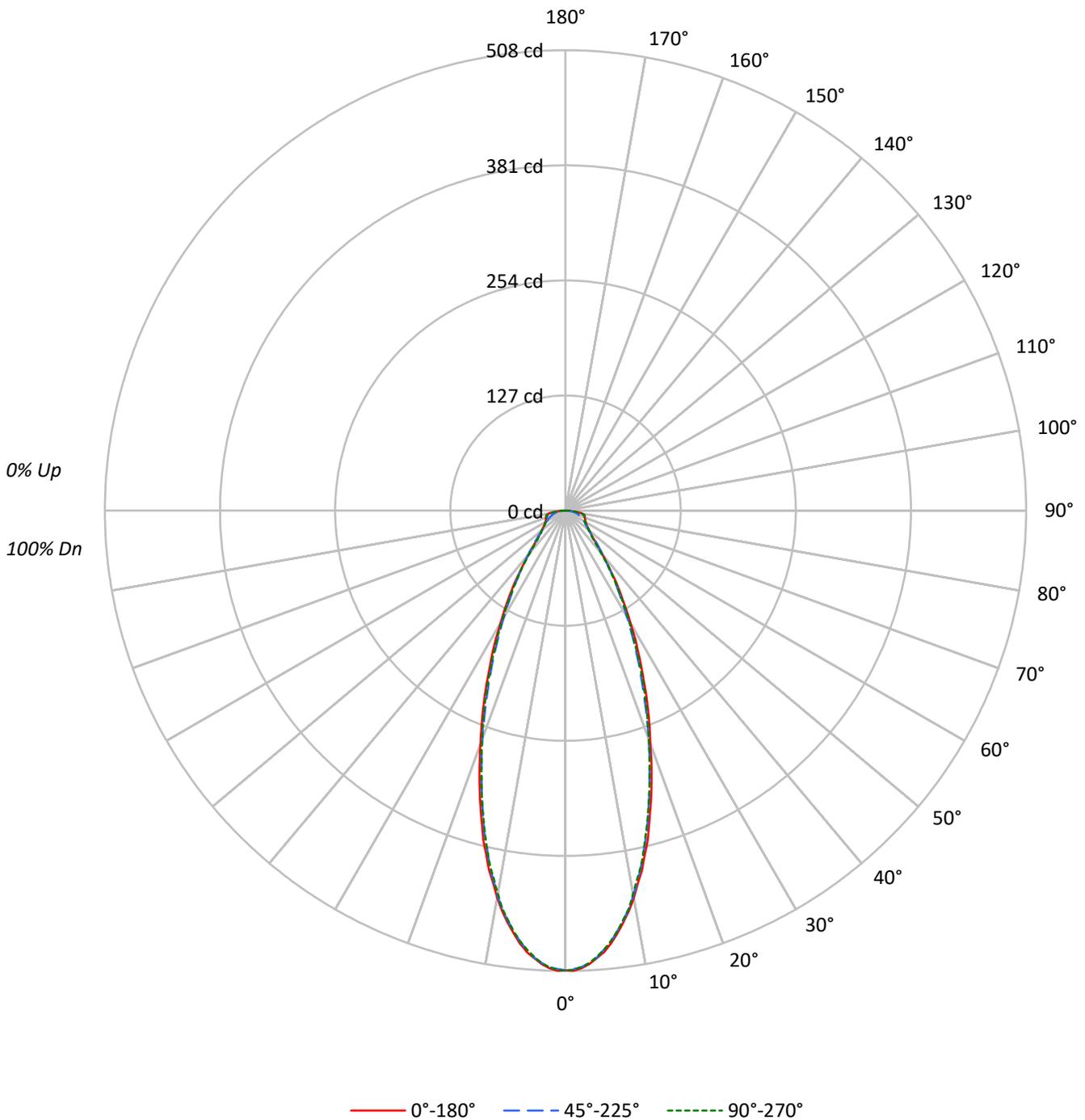
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 400.0 lumens  
Efficiency: N/A  
Efficacy: 36.0 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





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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43

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

	0°	45°	90°
0°	87351	87351	87351
5°	84521	84089	84089
10°	75845	75426	75093
15°	63563	62583	62476
20°	50181	49173	49173
25°	38423	36903	37606
30°	28517	27046	27662
35°	20604	19700	19826
40°	14186	14456	13782
45°	10595	11033	10156
50°	9190	9029	9029
55°	8648	8287	8467
60°	8852	8232	8646
65°	9740	8232	9495
70°	11430	8308	11128
75°	14706	8983	14240
80°	18249	9720	17059
85°	14623	9683	13239

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 18249 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.7	11.2
10°-20°	97.3	24.3
20°-30°	90.6	22.7
30°-40°	60.1	15.0
40°-50°	35.0	8.8
50°-60°	25.5	6.4
60°-70°	21.5	5.4
70°-80°	17.8	4.5
80°-90°	7.4	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°	232.6	58.1
0°-40°	292.7	73.2
0°-60°	353.2	88.3
0°-90°	400.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	400.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	507	507	507	507	507	
5°	489	488	486	486	486	45
15°	356	353	351	350	350	99
25°	202	198	194	195	198	93
35°	98	96	94	94	94	62
45°	44	44	45	43	42	35
55°	29	28	28	28	28	26
65°	24	21	20	21	23	24
75°	22	16	14	16	21	23
85°	7	9	5	8	7	9
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	507.2	507.2	507.2	507.2	507.2
1°	507.9	507.2	506.0	506.6	506.6
2°	505.4	504.8	504.2	504.2	504.2
3°	501.1	500.5	499.9	499.9	499.9
4°	495.0	494.4	494.4	493.8	493.8
5°	488.9	488.3	486.4	486.4	486.4
6°	480.3	479.7	478.4	477.8	477.8
7°	469.9	469.9	468.0	467.4	468.0
8°	458.8	458.2	457.0	456.4	456.4
9°	447.2	445.4	445.4	443.5	444.8
10°	433.7	432.5	431.3	430.1	429.4
11°	418.4	417.8	416.0	414.7	414.1
12°	405.5	402.5	401.3	399.4	400.6
13°	389.0	387.2	384.1	383.5	384.1
14°	374.9	371.2	368.8	367.6	367.0
15°	356.5	352.9	351.0	350.4	350.4
17.5°	315.5	313.0	308.1	308.1	308.1
20°	273.8	271.4	268.3	267.7	268.3
22.5°	237.7	233.4	228.5	229.1	232.8
25°	202.2	198.5	194.2	194.8	197.9
27.5°	172.1	167.2	163.0	164.2	166.0
30°	143.4	140.3	136.0	137.2	139.1
32.5°	118.8	117.0	112.1	113.3	115.2
35°	98.0	96.2	93.7	94.3	94.3
37.5°	78.4	78.4	77.8	77.2	76.6
40°	63.1	64.3	64.3	62.5	61.3
42.5°	51.5	52.7	53.9	51.5	49.6
45°	43.5	44.1	45.3	42.9	41.7
47.5°	38.0	38.0	39.2	37.4	36.8
50°	34.3	34.3	33.7	33.1	33.7
52.5°	31.2	30.6	30.0	30.6	30.6
55°	28.8	28.2	27.6	28.2	28.2
57.5°	27.0	26.3	25.7	25.7	26.3
60°	25.7	24.5	23.9	24.5	25.1
62.5°	24.5	22.7	22.1	22.7	23.9
65°	23.9	21.4	20.2	21.4	23.3
67.5°	23.3	20.2	18.4	20.2	22.7
70°	22.7	19.0	16.5	19.0	22.1
72.5°	22.1	17.8	15.3	17.8	22.1
75°	22.1	16.5	13.5	16.5	21.4
77.5°	20.8	15.3	11.6	15.3	20.2
80°	18.4	14.1	9.8	13.5	17.2
82.5°	13.5	12.3	7.4	11.6	12.9
85°	7.4	8.6	4.9	8.0	6.7
87.5°	1.2	1.8	1.2	3.7	2.5



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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)