

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: P1309877

Luminaire Tested: LDSQA3D02R309035DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309877  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R309035DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

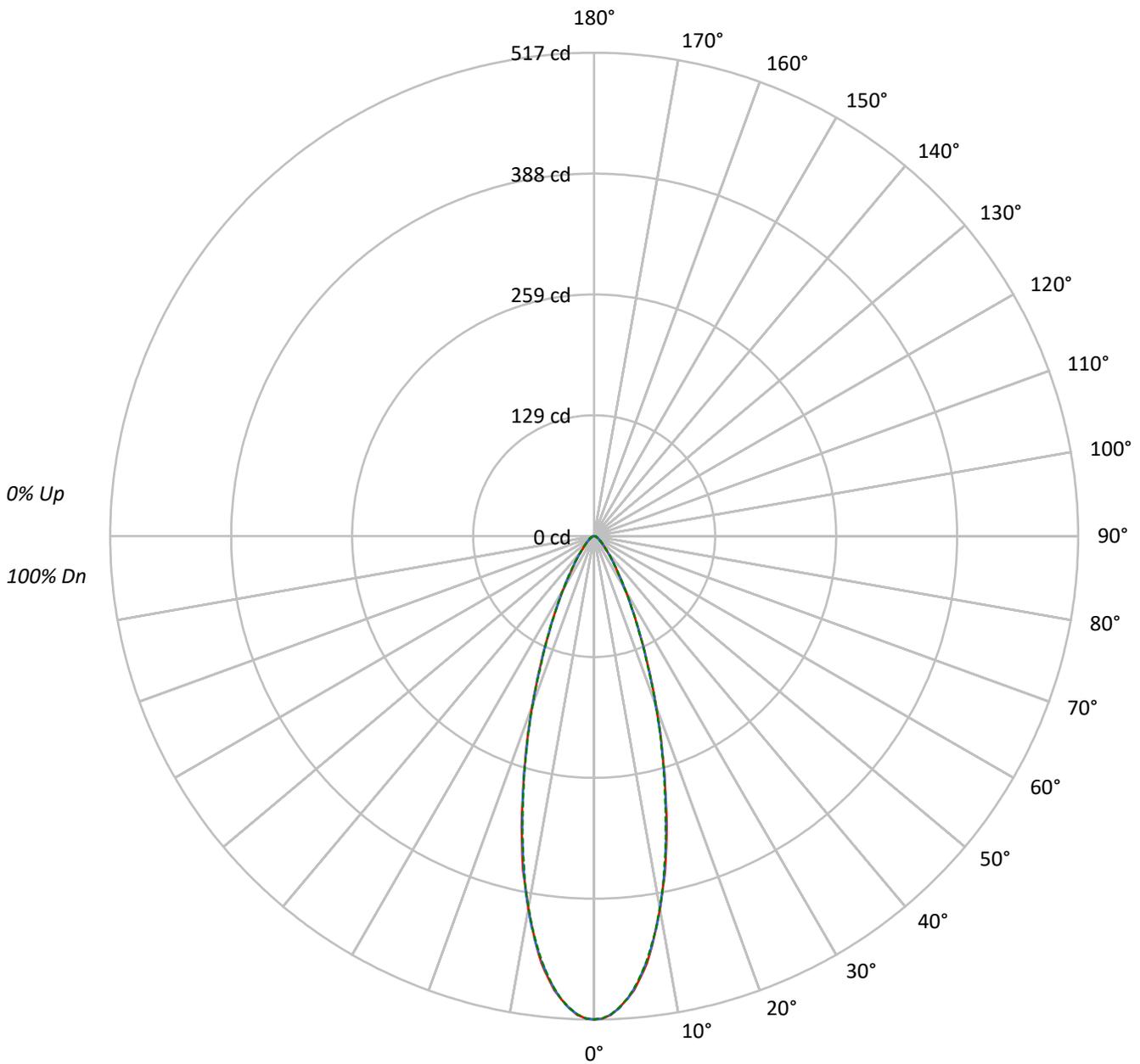
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 227.1 lumens  
Efficiency: N/A  
Efficacy: 63.1 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	84	83
4	99	92	87	83	97	91	86	82	88	84	81	87	83	80	85	82	79	79	79	79	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	71	70
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	71	68	68	68	68	66
8	83	75	69	65	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	62	60
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	59	58

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

	0°	45°	90°
0°	89022	89022	89022
5°	84279	84055	84020
10°	70809	70809	70546
15°	52758	52616	52313
20°	35299	35116	35171
25°	21758	21720	21815
30°	13085	13085	13145
35°	8031	8031	8073
40°	5081	5081	5193
45°	3483	3556	3556
50°	2545	2545	2545
55°	1952	2042	2042
60°	1653	1653	1722
65°	1426	1426	1426
70°	1259	1410	1410
75°	1198	1198	1198
80°	992	992	992
85°	593	593	593

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3556 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.8	19.3
10°-20°	80.9	35.6
20°-30°	53.8	23.7
30°-40°	24.9	10.9
40°-50°	11.5	5.1
50°-60°	6.2	2.7
60°-70°	3.6	1.6
70°-80°	1.9	0.9
80°-90°	0.4	0.2
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
<b>0°-30°</b>	<b>178.5</b>	<b>78.6</b>
<b>0°-40°</b>	<b>203.4</b>	<b>89.6</b>
<b>0°-60°</b>	<b>221.1</b>	<b>97.4</b>
<b>0°-90°</b>	<b>227.1</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>227.1</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	517	517	517	517	517	
5°	488	486	486	488	486	44
15°	296	297	295	295	293	81
25°	114	114	114	114	115	54
35°	38	38	38	38	38	25
45°	14	14	15	15	15	11
55°	6	7	7	7	7	6
65°	4	4	4	4	4	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	516.9	516.9	516.9	516.9	516.9
1°	515.9	515.4	515.9	516.6	515.6
2°	512.4	511.9	511.9	512.9	511.9
3°	505.6	506.1	505.8	506.8	505.1
4°	497.0	496.8	497.8	498.3	496.8
5°	487.5	486.5	486.2	487.5	486.0
6°	474.4	473.7	473.2	474.7	472.7
7°	460.4	459.9	459.1	459.6	458.1
8°	443.0	442.8	442.3	442.8	441.0
9°	423.7	423.7	424.7	424.5	423.4
10°	404.9	405.4	404.9	405.4	403.4
11°	383.8	383.8	384.3	384.0	384.3
12°	365.4	363.4	362.9	362.4	360.9
13°	341.8	340.3	339.8	340.3	339.6
14°	320.2	319.2	316.7	317.2	316.2
15°	295.9	296.9	295.1	295.1	293.4
17.5°	241.9	240.9	241.4	241.6	240.9
20°	192.6	192.1	191.6	191.1	191.9
22.5°	149.7	149.9	149.4	148.9	148.4
25°	114.5	114.3	114.3	114.3	114.8
27.5°	86.9	86.9	86.9	87.2	87.2
30°	65.8	65.3	65.8	66.1	66.1
32.5°	49.2	49.7	50.0	50.0	50.0
35°	38.2	37.9	38.2	38.4	38.4
37.5°	29.1	29.1	29.4	29.4	29.6
40°	22.6	22.6	22.6	22.9	23.1
42.5°	17.8	17.8	18.1	18.1	18.3
45°	14.3	14.3	14.6	14.6	14.6
47.5°	11.6	11.6	11.8	11.8	11.8
50°	9.5	9.5	9.5	9.5	9.5
52.5°	8.0	7.8	8.0	8.0	8.0
55°	6.5	6.8	6.8	6.8	6.8
57.5°	5.5	5.8	5.8	5.8	5.8
60°	4.8	4.8	4.8	5.0	5.0
62.5°	4.0	4.3	4.3	4.3	4.3
65°	3.5	3.5	3.5	3.5	3.5
67.5°	3.0	3.0	3.0	3.0	3.3
70°	2.5	2.5	2.8	2.8	2.8
72.5°	2.3	2.3	2.3	2.3	2.3
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.3	1.3	1.5	1.5	1.3
80°	1.0	1.0	1.0	1.0	1.0
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.3	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0



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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)