

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: P1315456

Luminaire Tested: LDSQA3D09R309735DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315456  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R309735DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

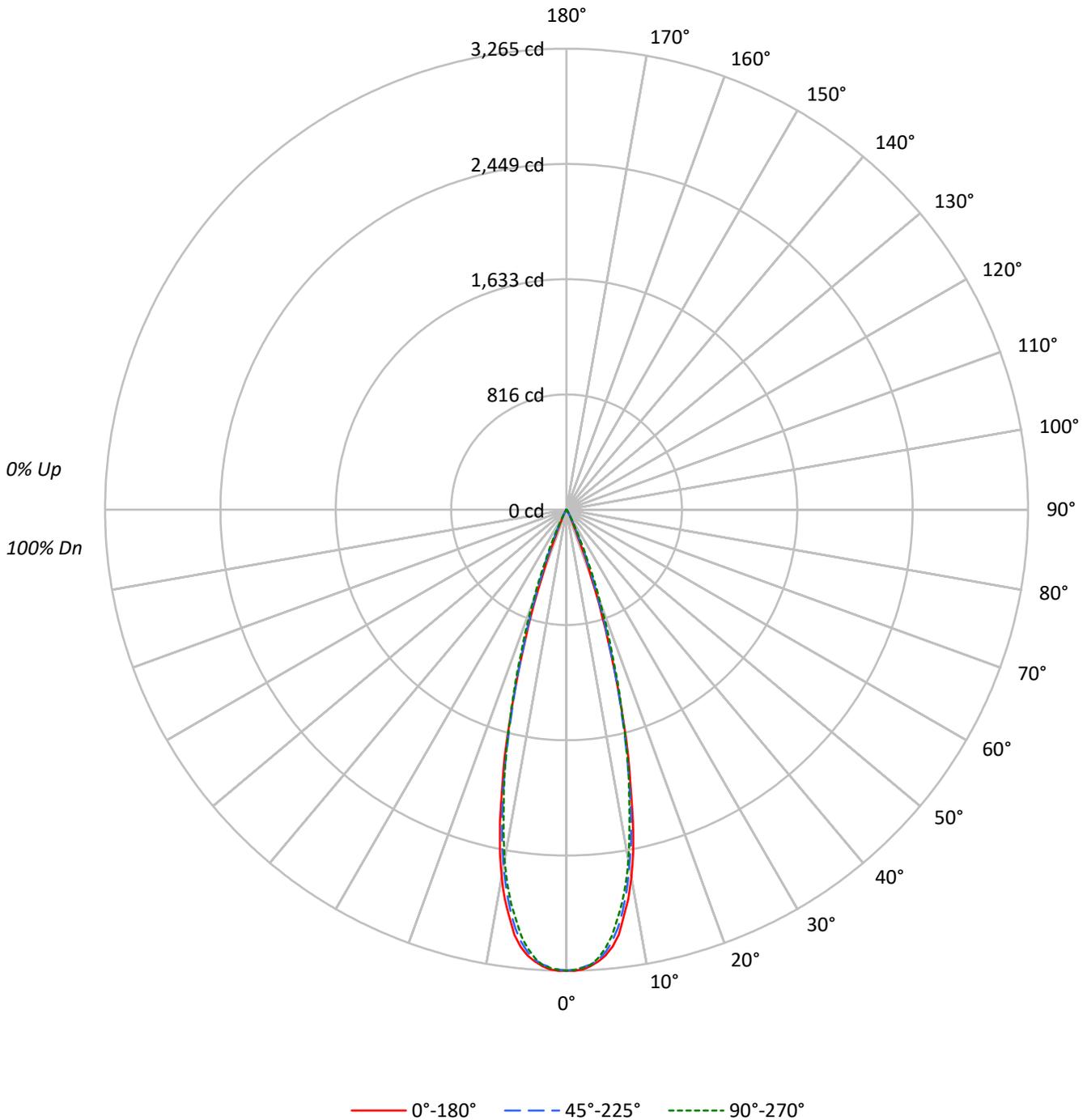
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 791.0 lumens  
Efficiency: N/A  
Efficacy: 71.3 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
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 (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





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									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	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	99	99	97	97	97	97	97	97	97	97	97	97	100															
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97	97	97	97	97	97	97	97	97	97	97	97															
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	94	93	92	92	92	92	92	92	92	92	92	92	94															
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92	92	92	92	92	92	92	92	92	92	92	92															
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	88	87	87	87	87	87	87	87	87	87	87	87	89															
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	87	87	87	87	87	87	87	87	87	87	87	87	87															
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	84	84	84	84	84	84	84	84	84	84	84	84	84															
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	82	82	82	82	82	82	82	82	82	82	82	82	82															
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	80	80	80	80	80	80	80	80	80	80	80	80	80															
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78	78	78	78	78	78	78	78	78	78	78	78															
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76	76	76	76	76	76	76	76	76	76	76	76															

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

	0°	45°	90°
0°	562221	562221	562221
5°	547737	543969	539491
10°	462241	448059	440784
15°	278555	270781	275774
20°	94497	109104	125855
25°	17368	27212	32134
30°	5966	6642	7457
35°	1724	2144	2292
40°	450	764	607
45°	170	170	170
50°	188	0	188
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 52.5°  
 Luminance: 198 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.3	35.7
10°-20°	412.6	52.2
20°-30°	87.3	11.0
30°-40°	8.0	1.0
40°-50°	0.8	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	782.1	98.9
0°-40°	790.2	99.9
0°-60°	791.0	100.0
0°-90°	791.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	791.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3264	3264	3264	3264	3264	
5°	3168	3162	3146	3137	3121	286
15°	1562	1557	1519	1554	1547	412
25°	91	102	143	168	169	67
35°	8	10	10	12	11	7
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3264.5	3264.5	3264.5	3264.5	3264.5
1°	3265.2	3261.8	3257.0	3263.8	3259.0
2°	3258.4	3250.2	3243.3	3250.2	3248.1
3°	3237.9	3231.1	3226.3	3229.7	3229.7
4°	3207.2	3199.7	3195.6	3196.3	3186.1
5°	3168.3	3162.2	3146.5	3137.0	3120.6
6°	3111.1	3096.0	3077.0	3061.3	3040.1
7°	3033.3	3010.1	2982.8	2955.6	2929.0
8°	2908.5	2897.6	2860.8	2842.4	2815.8
9°	2791.2	2764.6	2725.1	2695.1	2680.7
10°	2643.2	2603.7	2562.1	2538.2	2520.5
11°	2468.0	2427.7	2394.3	2359.5	2332.3
12°	2262.0	2227.9	2189.7	2166.6	2134.5
13°	2017.9	2013.1	1970.1	1962.6	1958.6
14°	1808.5	1789.4	1747.2	1758.7	1761.5
15°	1562.3	1556.9	1518.7	1554.2	1546.7
17.5°	978.6	980.6	1004.5	1060.4	1078.2
20°	515.6	531.2	595.3	662.9	686.7
22.5°	208.7	243.5	308.9	354.6	385.3
25°	91.4	102.3	143.2	168.4	169.1
27.5°	51.8	52.5	68.9	71.6	73.0
30°	30.0	30.7	33.4	35.5	37.5
32.5°	16.4	17.7	18.4	21.1	21.1
35°	8.2	10.2	10.2	12.3	10.9
37.5°	4.8	5.5	6.1	6.1	5.5
40°	2.0	2.7	3.4	3.4	2.7
42.5°	0.7	1.4	1.4	1.4	2.0
45°	0.7	0.7	0.7	0.7	0.7
47.5°	0.7	0.7	0.0	0.7	0.7
50°	0.7	0.0	0.0	0.0	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)