

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: P1308030

Luminaire Tested: LDSQA3D09R609027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308030  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R609027DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

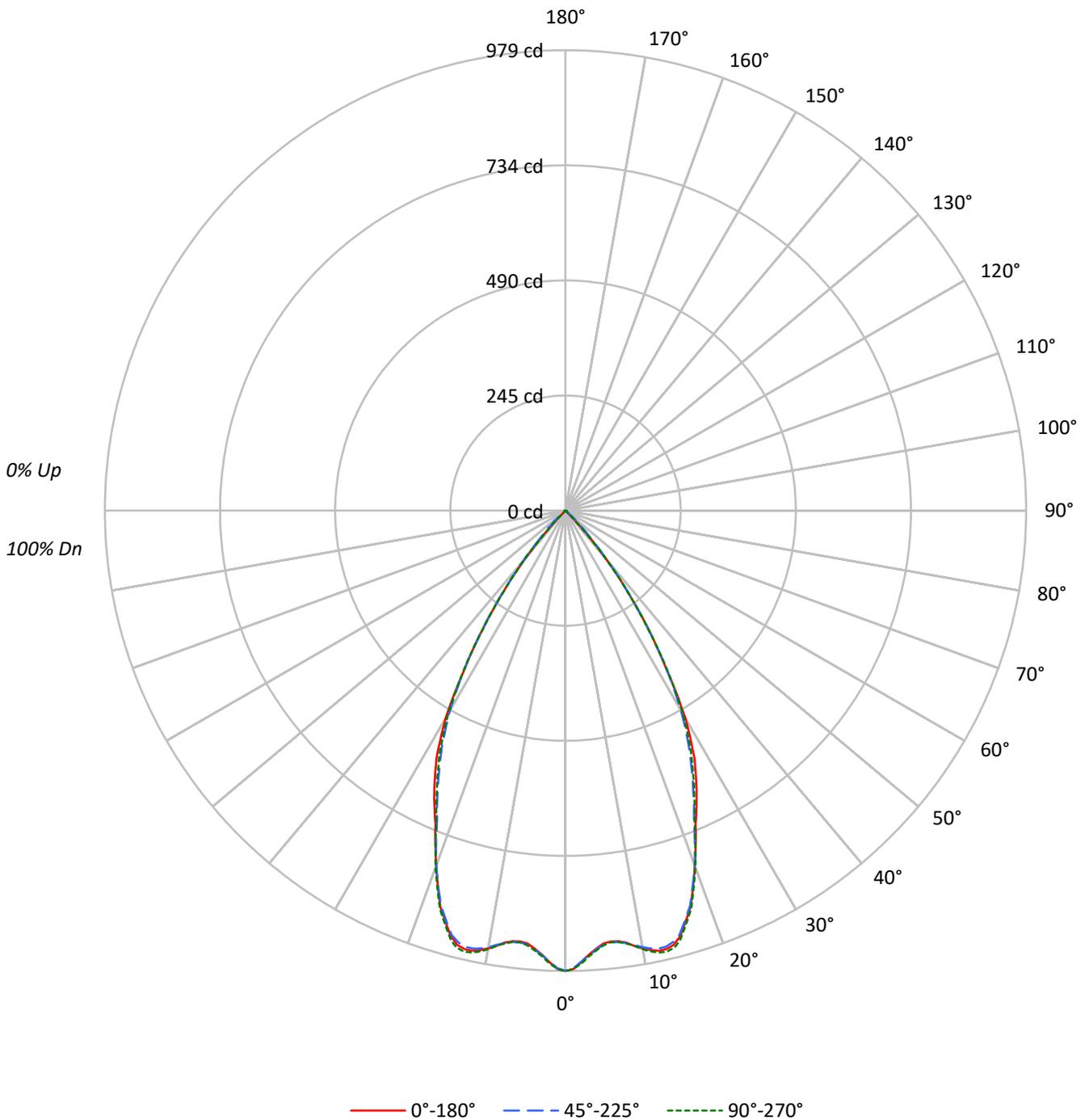
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 873.0 lumens  
Efficiency: N/A  
Efficacy: 78.6 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9  
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				
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	100	100	100	100
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94	94	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82	82	82	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76	76	76	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71	71	71	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67	67	67	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55	55	55	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52	52	52	52

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

	0°	45°	90°
0°	168572	168572	168572
5°	159759	160226	160468
10°	165314	164841	165663
15°	167333	166602	168295
20°	147335	147207	147958
25°	125380	121750	122776
30°	101183	97663	99294
35°	64041	64629	63893
40°	29946	31183	30396
45°	1827	10985	2168
50°	911	2572	911
55°	1021	1021	1021
60°	930	930	930
65°	815	1100	815
70°	1007	1007	1007
75°	932	932	932
80°	694	694	694
85°	1383	1383	1383

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 10985 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.2	10.2
10°-20°	256.9	29.4
20°-30°	296.2	33.9
30°-40°	190.2	21.8
40°-50°	33.1	3.8
50°-60°	3.1	0.4
60°-70°	2.4	0.3
70°-80°	1.5	0.2
80°-90°	0.5	0.1
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°	642.3	73.6
0°-40°	832.4	95.4
0°-60°	868.7	99.5
0°-90°	873.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	873.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	979	979	979	979	979	
5°	924	926	927	929	928	89
15°	938	935	934	940	944	257
25°	660	652	641	641	646	301
35°	305	303	307	301	304	190
45°	8	22	45	27	9	25
55°	3	3	3	3	3	3
65°	2	3	3	3	2	2
75°	1	1	1	1	1	1
85°	1	1	1	1	1	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	978.8	978.8	978.8	978.8	978.8
1°	974.7	974.0	973.3	974.0	974.7
2°	961.0	960.3	959.6	962.4	963.7
3°	946.0	946.7	947.3	948.7	949.4
4°	933.7	935.0	935.7	937.1	937.8
5°	924.1	926.2	926.8	928.9	928.2
6°	921.4	922.8	923.4	924.1	922.8
7°	922.8	923.4	924.1	925.5	924.1
8°	927.5	928.2	928.9	929.6	929.6
9°	937.1	935.7	935.0	937.8	937.1
10°	945.3	943.2	942.6	946.7	947.3
11°	952.1	949.4	948.7	953.5	954.9
12°	956.9	952.8	952.1	958.3	961.0
13°	956.9	951.4	951.4	958.3	962.4
14°	951.4	945.3	945.3	952.8	957.6
15°	938.5	935.0	934.4	940.5	943.9
17.5°	883.8	879.7	880.4	887.2	887.9
20°	803.9	801.9	803.2	804.6	807.3
22.5°	722.6	721.3	713.7	715.8	717.2
25°	659.8	652.3	640.7	641.3	646.1
27.5°	593.5	586.0	569.6	573.0	577.8
30°	508.8	502.7	491.1	493.1	499.3
32.5°	399.6	411.9	400.9	404.3	402.3
35°	304.6	302.6	307.4	301.2	303.9
37.5°	214.5	215.1	217.2	211.7	211.7
40°	133.2	136.6	138.7	135.9	135.2
42.5°	56.0	76.5	80.6	76.5	56.7
45°	7.5	22.5	45.1	26.6	8.9
47.5°	3.4	4.8	23.9	4.8	3.4
50°	3.4	3.4	9.6	3.4	3.4
52.5°	3.4	3.4	3.4	3.4	3.4
55°	3.4	3.4	3.4	3.4	3.4
57.5°	3.4	3.4	3.4	3.4	3.4
60°	2.7	2.7	2.7	2.7	2.7
62.5°	2.7	2.7	2.7	2.7	2.7
65°	2.0	2.7	2.7	2.7	2.0
67.5°	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.7	0.7
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)