

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: P1314542

Luminaire Tested: LDSQA3D09R559730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314542  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R559730DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

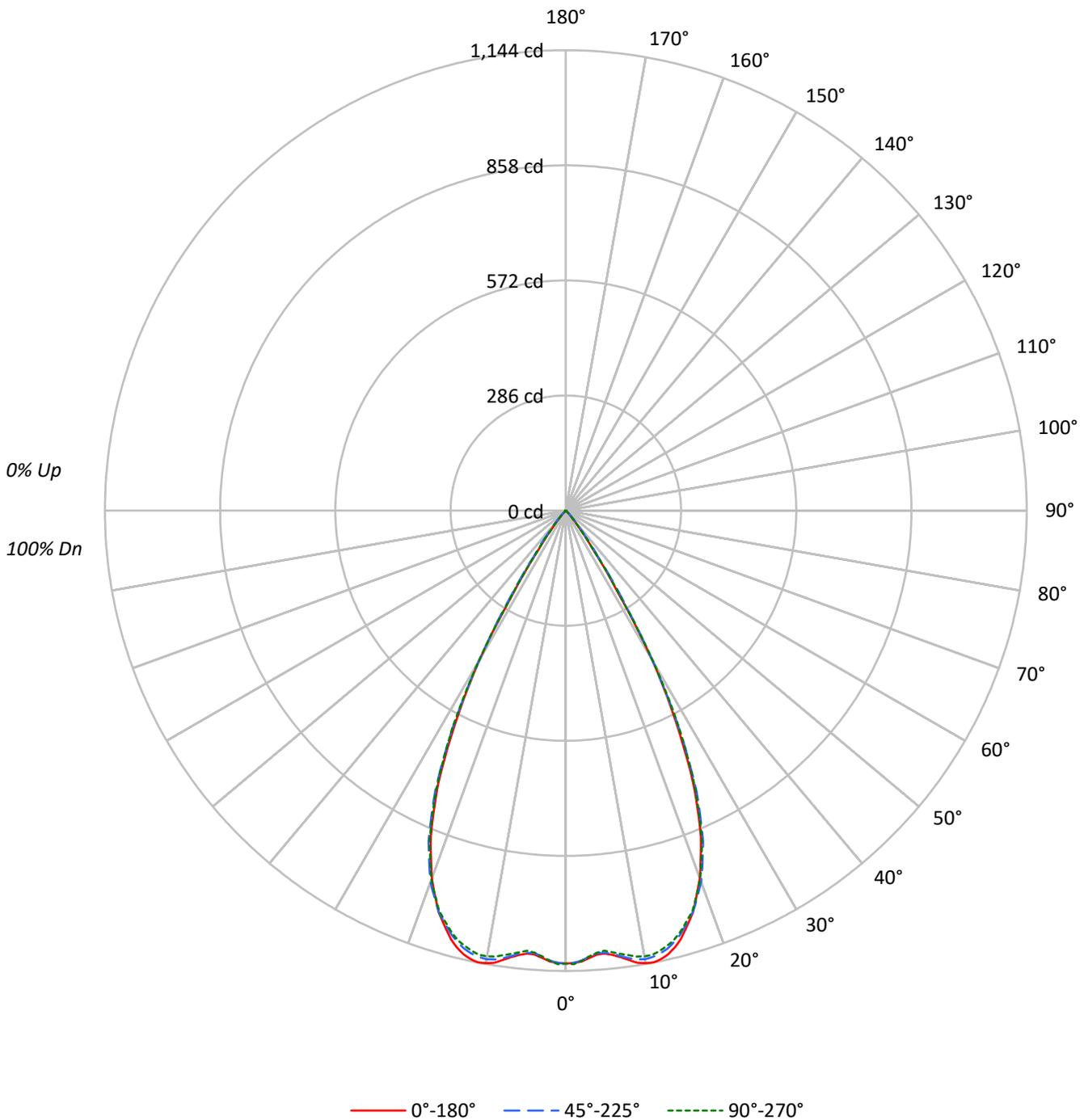
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 863.1 lumens  
Efficiency: N/A  
Efficacy: 77.8 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
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	102	102	102	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	85	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

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

	0°	45°	90°
0°	193819	193819	193819
5°	191033	190704	189788
10°	199677	197946	196687
15°	196556	194808	193988
20°	178235	180032	178712
25°	142520	145522	144154
30°	85472	85472	86526
35°	24704	29245	25524
40°	7082	9600	7082
45°	1607	3678	1607
50°	697	1232	536
55°	601	601	601
60°	689	689	689
65°	530	530	530
70°	655	655	655
75°	466	466	466
80°	694	694	694
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3678 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.7	12.4
10°-20°	304.1	35.2
20°-30°	335.1	38.8
30°-40°	102.5	11.9
40°-50°	10.1	1.2
50°-60°	1.9	0.2
60°-70°	1.5	0.2
70°-80°	0.9	0.1
80°-90°	0.3	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°	745.9	86.4
0°-40°	848.4	98.3
0°-60°	860.4	99.7
0°-90°	863.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	863.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1125	1125	1125	1125	1125	
5°	1105	1105	1103	1100	1098	107
15°	1102	1100	1093	1088	1088	306
25°	750	757	766	773	759	330
35°	118	123	139	128	121	96
45°	7	10	15	10	7	8
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	1125.4	1125.4	1125.4	1125.4	1125.4
1°	1124.1	1124.7	1124.1	1122.7	1127.3
2°	1121.4	1120.8	1118.8	1118.2	1120.1
3°	1112.9	1112.9	1110.3	1109.0	1109.6
4°	1106.3	1106.3	1102.4	1101.1	1101.8
5°	1105.0	1105.0	1103.1	1099.8	1097.8
6°	1110.3	1111.6	1107.0	1103.7	1103.7
7°	1118.2	1118.8	1115.5	1110.9	1109.6
8°	1128.0	1128.7	1123.4	1118.2	1115.5
9°	1137.8	1136.5	1129.3	1124.1	1122.1
10°	1141.8	1141.1	1131.9	1126.7	1124.7
11°	1143.7	1140.5	1130.0	1125.4	1124.7
12°	1139.2	1136.5	1125.4	1120.8	1118.8
13°	1131.3	1127.3	1118.2	1113.6	1110.9
14°	1118.8	1114.9	1106.3	1101.1	1101.8
15°	1102.4	1100.4	1092.6	1088.0	1088.0
17.5°	1047.9	1049.3	1047.3	1045.3	1044.0
20°	972.5	977.7	982.3	979.7	975.1
22.5°	876.0	885.2	890.5	891.8	883.2
25°	750.0	757.2	765.8	773.0	758.6
27.5°	593.2	599.8	607.6	612.2	610.3
30°	429.8	430.5	429.8	438.3	435.1
32.5°	238.9	258.5	261.8	267.7	246.7
35°	117.5	123.4	139.1	128.0	121.4
37.5°	56.4	60.4	75.5	61.7	59.1
40°	31.5	34.1	42.7	35.4	31.5
42.5°	15.1	19.7	23.0	20.3	15.1
45°	6.6	9.8	15.1	9.8	6.6
47.5°	2.6	3.9	9.2	3.9	2.6
50°	2.6	2.0	4.6	2.0	2.0
52.5°	2.0	2.0	2.6	2.0	2.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0	2.0
60°	2.0	2.0	2.0	2.0	2.0
62.5°	1.3	2.0	2.0	2.0	1.3
65°	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3
72.5°	0.7	1.3	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.0	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)