

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: P1315514

Luminaire Tested: LDSQA3D09R559735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315514  
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: LDSQA3D09R559735DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

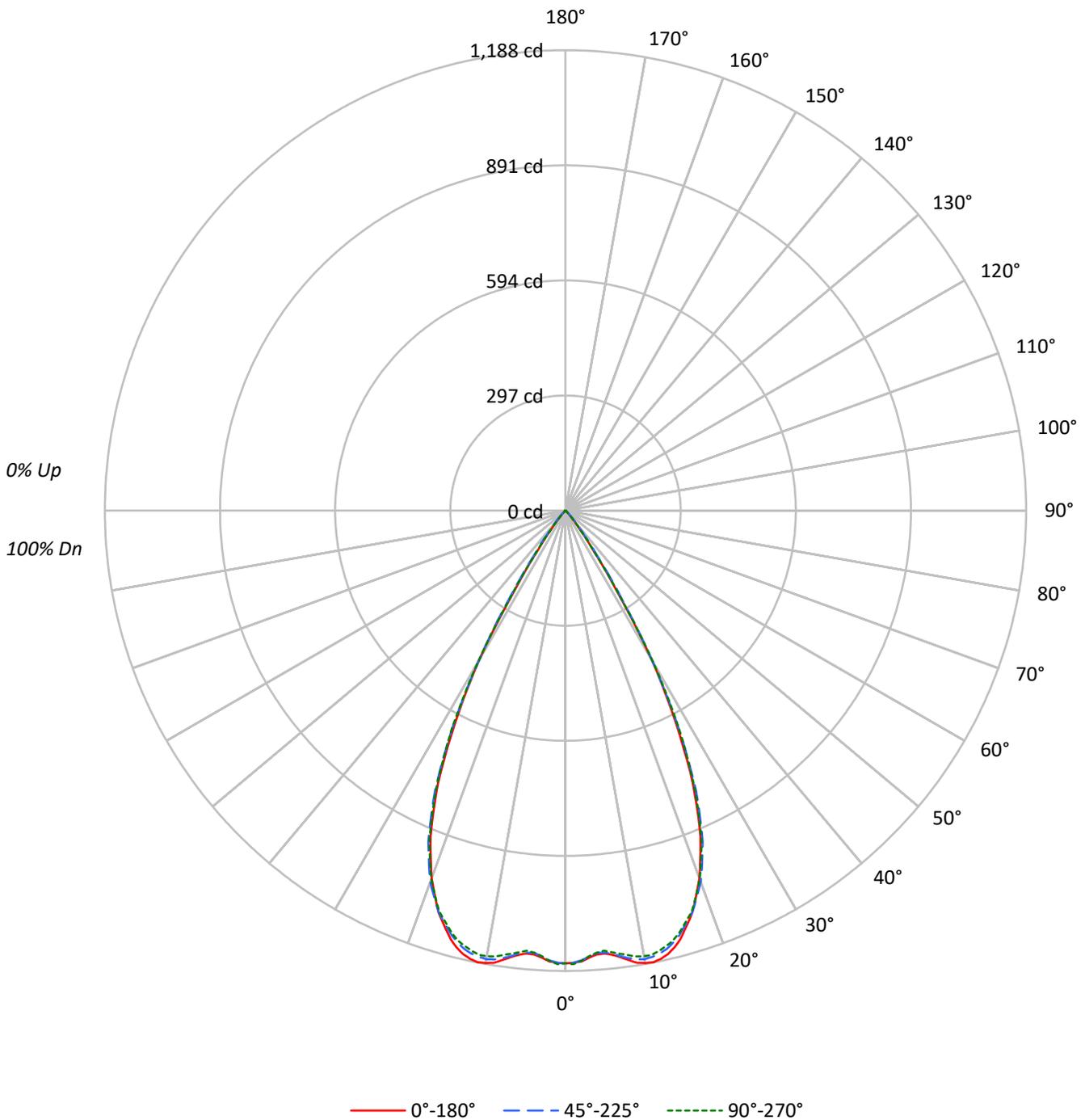
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 896.0 lumens  
Efficiency: N/A  
Efficacy: 80.7 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	86	86	86	86	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°	201225	201225	201225
5°	198346	197983	197049
10°	207302	205518	204207
15°	204080	202243	201405
20°	185053	186923	185548
25°	147974	151090	149665
30°	88734	88734	89828
35°	25650	30359	26491
40°	7352	9960	7352
45°	1656	3824	1656
50°	723	1286	536
55°	601	601	601
60°	689	689	689
65°	571	571	571
70°	705	705	705
75°	466	466	466
80°	694	694	694
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3824 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.8	12.4
10°-20°	315.8	35.2
20°-30°	347.9	38.8
30°-40°	106.4	11.9
40°-50°	10.5	1.2
50°-60°	1.9	0.2
60°-70°	1.6	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°	774.4	86.4
0°-40°	880.8	98.3
0°-60°	893.3	99.7
0°-90°	896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	896.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1168	1168	1168	1168	1168	
5°	1147	1147	1145	1142	1140	111
15°	1145	1142	1134	1130	1130	317
25°	779	786	795	803	788	343
35°	122	128	144	133	126	100
45°	7	10	16	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°	1168.4	1168.4	1168.4	1168.4	1168.4
1°	1167.0	1167.7	1167.0	1165.7	1170.5
2°	1164.3	1163.6	1161.6	1160.9	1163.0
3°	1155.5	1155.5	1152.7	1151.4	1152.1
4°	1148.6	1148.6	1144.6	1143.2	1143.9
5°	1147.3	1147.3	1145.2	1141.8	1139.8
6°	1152.7	1154.1	1149.3	1145.9	1145.9
7°	1160.9	1161.6	1158.2	1153.4	1152.1
8°	1171.1	1171.8	1166.4	1160.9	1158.2
9°	1181.4	1180.0	1172.5	1167.0	1165.0
10°	1185.4	1184.8	1175.2	1169.8	1167.7
11°	1187.5	1184.1	1173.2	1168.4	1167.7
12°	1182.7	1180.0	1168.4	1163.6	1161.6
13°	1174.5	1170.5	1160.9	1156.1	1153.4
14°	1161.6	1157.5	1148.6	1143.2	1143.9
15°	1144.6	1142.5	1134.3	1129.6	1129.6
17.5°	1088.0	1089.4	1087.3	1085.3	1083.9
20°	1009.7	1015.1	1019.9	1017.2	1012.4
22.5°	909.5	919.1	924.5	925.9	917.0
25°	778.7	786.2	795.1	802.6	787.6
27.5°	615.9	622.7	630.9	635.6	633.6
30°	446.2	446.9	446.2	455.1	451.7
32.5°	248.0	268.4	271.8	278.0	256.2
35°	122.0	128.1	144.4	132.9	126.0
37.5°	58.6	62.7	78.3	64.0	61.3
40°	32.7	35.4	44.3	36.8	32.7
42.5°	15.7	20.4	23.8	21.1	15.7
45°	6.8	10.2	15.7	10.2	6.8
47.5°	2.7	4.1	9.5	4.1	2.7
50°	2.7	2.0	4.8	2.0	2.0
52.5°	2.0	2.0	2.7	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°	1.4	2.0	2.0	2.0	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4
72.5°	0.7	1.4	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)