

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: P1318252

Luminaire Tested: LDSQA3D09R459830DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318252  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R459830DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

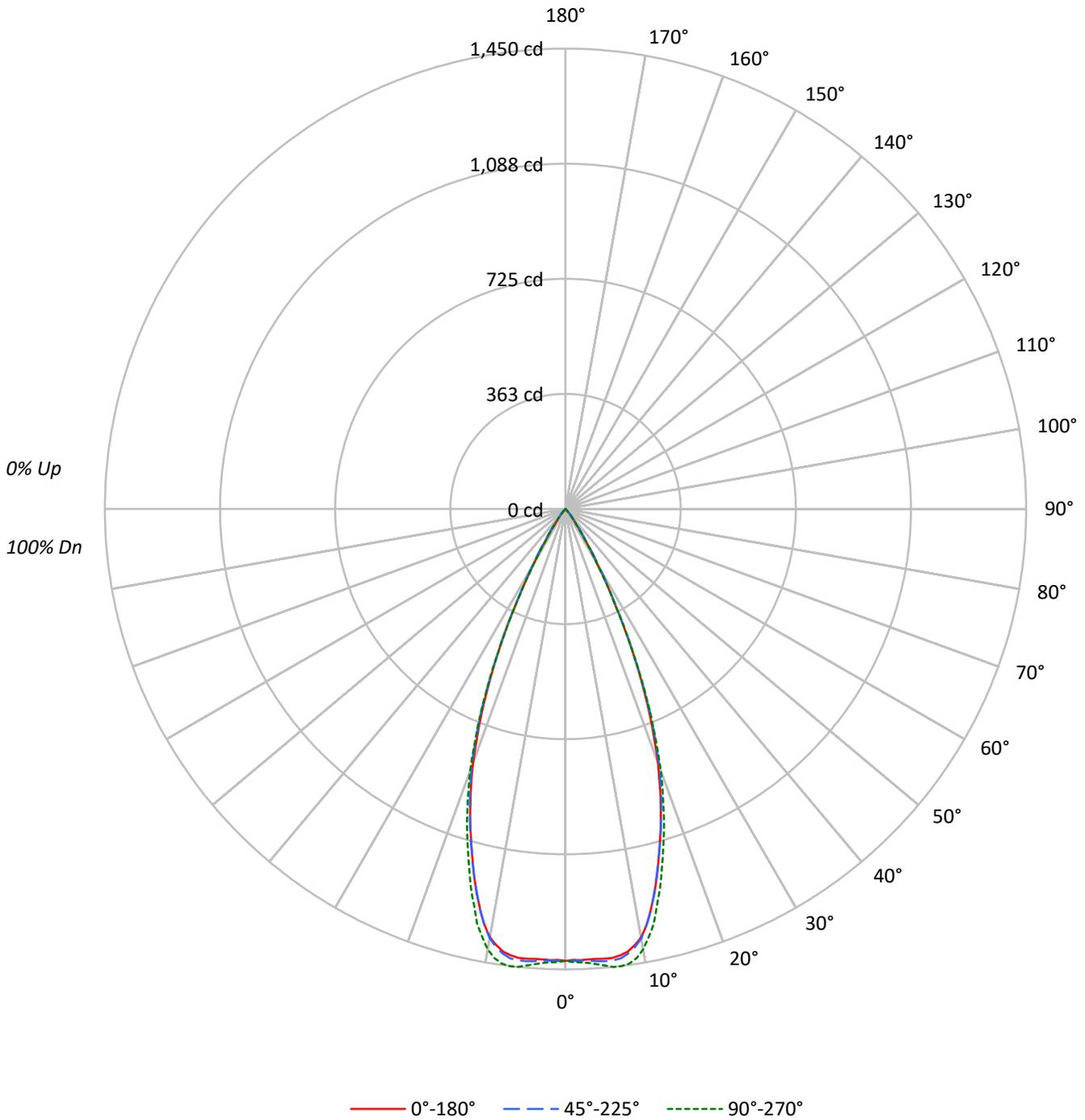
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 736.0 lumens  
Efficiency: N/A  
Efficacy: 66.9 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
Input Voltage (V): NR  
Input Current (Ain): 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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

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

	0°	45°	90°
0°	245176	245176	245176
5°	245732	247150	249605
10°	239567	240057	246370
15°	202119	202208	208840
20°	156022	158222	160824
25°	96781	96895	97522
30°	39932	42438	39276
35°	12425	15180	11963
40°	3822	5283	3575
45°	268	1997	268
50°	0	295	0
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: 45°  
 Vertical Angle: 45°  
 Luminance: 1997 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.5	18.4
10°-20°	315.0	42.8
20°-30°	231.1	31.4
30°-40°	49.7	6.7
40°-50°	4.7	0.6
50°-60°	0.0	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°	681.6	92.6
0°-40°	731.2	99.4
0°-60°	736.0	100.0
0°-90°	736.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	736.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1424	1424	1424	1424	1424	
5°	1421	1425	1430	1439	1444	134
15°	1134	1131	1134	1152	1171	312
25°	509	508	510	510	513	228
35°	59	64	72	62	57	47
45°	1	3	8	3	1	3
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°	1423.6	1423.6	1423.6	1423.6	1423.6
1°	1420.8	1424.1	1424.1	1426.3	1427.4
2°	1421.9	1424.1	1423.6	1427.4	1429.0
3°	1420.3	1424.1	1425.2	1429.6	1432.3
4°	1420.8	1424.1	1427.4	1433.9	1437.8
5°	1421.4	1425.2	1429.6	1439.4	1443.8
6°	1421.9	1424.6	1429.6	1442.2	1450.4
7°	1416.4	1420.3	1425.7	1441.6	1450.4
8°	1407.7	1409.9	1414.3	1435.0	1445.4
9°	1391.3	1390.7	1397.3	1420.3	1432.3
10°	1369.9	1363.4	1372.7	1395.7	1408.8
11°	1335.5	1328.4	1336.6	1361.2	1373.8
12°	1290.6	1290.6	1292.2	1314.1	1336.0
13°	1243.0	1237.5	1240.8	1265.4	1280.8
14°	1190.5	1185.0	1188.3	1206.9	1231.0
15°	1133.6	1131.4	1134.1	1152.2	1171.3
17.5°	998.5	993.5	1003.4	1021.4	1031.3
20°	851.3	859.5	863.3	874.8	877.5
22.5°	682.2	691.0	696.5	698.1	699.7
25°	509.3	507.7	509.9	509.9	513.2
27.5°	334.8	334.8	340.8	337.0	333.2
30°	200.8	209.0	213.4	206.3	197.5
32.5°	109.4	117.6	124.7	114.3	106.7
35°	59.1	63.5	72.2	61.8	56.9
37.5°	32.3	36.1	41.6	35.0	32.3
40°	17.0	20.8	23.5	20.8	15.9
42.5°	5.5	10.4	13.7	10.4	4.9
45°	1.1	3.3	8.2	3.3	1.1
47.5°	0.0	0.5	3.8	0.5	0.0
50°	0.0	0.0	1.1	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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)