

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: P1311320

Luminaire Tested: LDSQA3D09R309040DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311320  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R309040DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

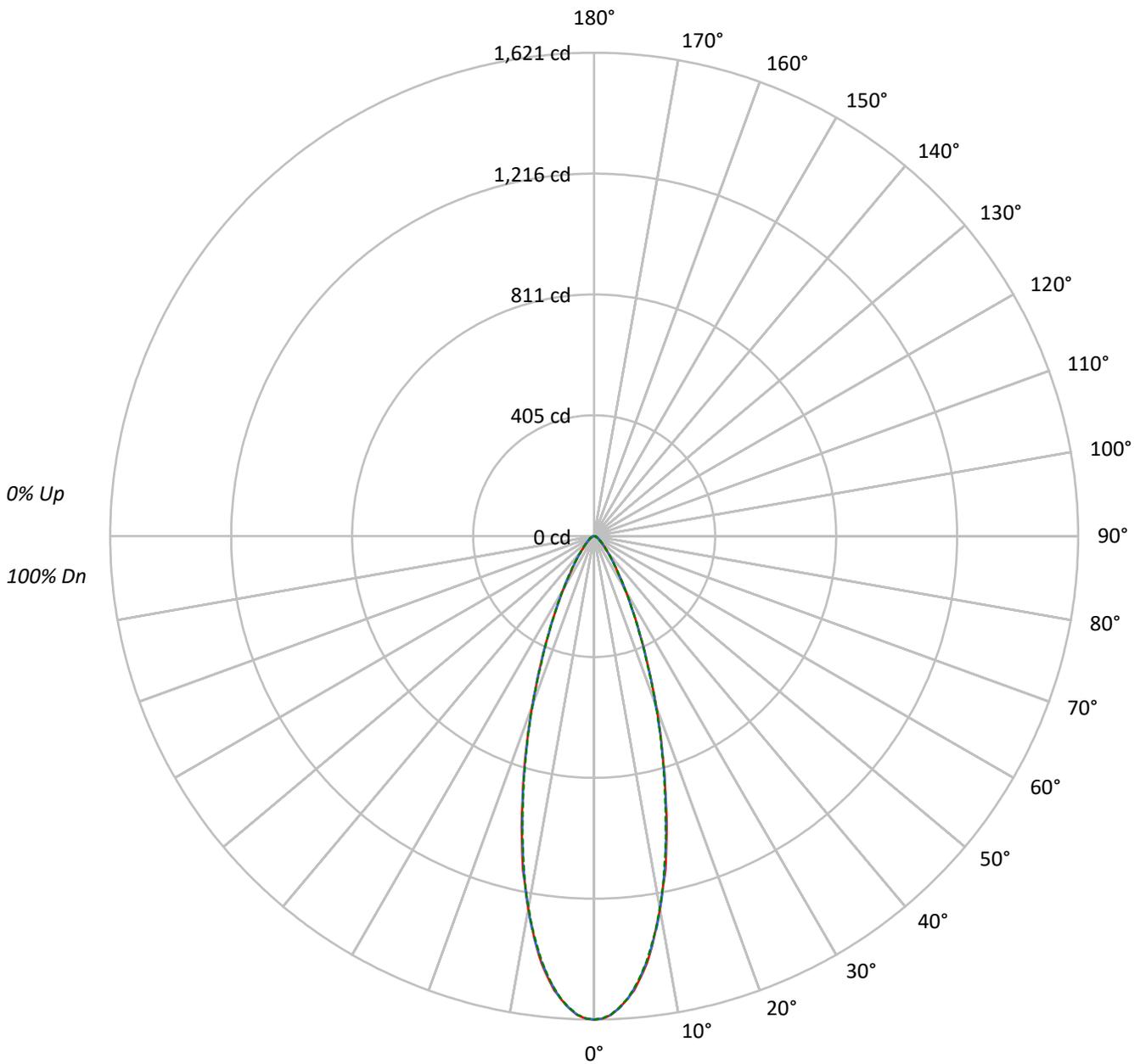
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 712.0 lumens  
Efficiency: N/A  
Efficacy: 64.1 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57  
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 (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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	59	58

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

	0°	45°	90°
0°	279207	279207	279207
5°	264352	263660	263522
10°	222079	222079	221257
15°	165461	165033	164052
20°	110735	110167	110314
25°	68258	68106	68410
30°	41046	41046	41205
35°	25166	25166	25335
40°	15940	15940	16300
45°	10936	11131	11131
50°	8011	8011	8011
55°	6155	6396	6396
60°	5167	5167	5442
65°	4483	4483	4483
70°	3978	4381	4381
75°	3660	3660	3660
80°	3174	3174	3174
85°	1581	1581	1581

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 11131 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.4	19.3
10°-20°	253.8	35.6
20°-30°	168.7	23.7
30°-40°	78.0	11.0
40°-50°	36.2	5.1
50°-60°	19.3	2.7
60°-70°	11.3	1.6
70°-80°	6.0	0.8
80°-90°	1.3	0.2
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°	559.9	78.6
0°-40°	637.9	89.6
0°-60°	693.4	97.4
0°-90°	712.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	712.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1621	1621	1621	1621	1621	
5°	1529	1526	1525	1529	1524	138
15°	928	931	926	926	920	255
25°	359	358	358	358	360	169
35°	120	119	120	120	120	78
45°	45	45	46	46	46	36
55°	20	21	21	21	21	19
65°	11	11	11	11	11	11
75°	6	6	6	6	6	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1621.2	1621.2	1621.2	1621.2	1621.2
1°	1618.1	1616.5	1618.1	1620.4	1617.3
2°	1607.0	1605.5	1605.5	1608.6	1605.5
3°	1585.8	1587.4	1586.6	1589.7	1584.2
4°	1559.0	1558.2	1561.4	1562.9	1558.2
5°	1529.1	1525.9	1525.1	1529.1	1524.3
6°	1488.1	1485.7	1484.2	1488.9	1482.6
7°	1444.0	1442.4	1440.0	1441.6	1436.9
8°	1389.6	1388.8	1387.3	1388.8	1383.3
9°	1329.0	1329.0	1332.1	1331.3	1328.2
10°	1269.9	1271.5	1269.9	1271.5	1265.2
11°	1203.7	1203.7	1205.3	1204.5	1205.3
12°	1146.2	1139.9	1138.3	1136.7	1132.0
13°	1072.2	1067.4	1065.9	1067.4	1065.1
14°	1004.4	1001.3	993.4	995.0	991.8
15°	928.0	931.1	925.6	925.6	920.1
17.5°	758.6	755.5	757.0	757.8	755.5
20°	604.2	602.6	601.1	599.5	601.9
22.5°	469.5	470.3	468.7	467.1	465.6
25°	359.2	358.4	358.4	358.4	360.0
27.5°	272.6	272.6	272.6	273.4	273.4
30°	206.4	204.8	206.4	207.2	207.2
32.5°	154.4	156.0	156.8	156.8	156.8
35°	119.7	119.0	119.7	120.5	120.5
37.5°	91.4	91.4	92.2	92.2	93.0
40°	70.9	70.9	70.9	71.7	72.5
42.5°	55.9	55.9	56.7	56.7	57.5
45°	44.9	44.9	45.7	45.7	45.7
47.5°	36.2	36.2	37.0	37.0	37.0
50°	29.9	29.9	29.9	29.9	29.9
52.5°	25.2	24.4	25.2	25.2	25.2
55°	20.5	21.3	21.3	21.3	21.3
57.5°	17.3	18.1	18.1	18.1	18.1
60°	15.0	15.0	15.0	15.8	15.8
62.5°	12.6	13.4	13.4	13.4	13.4
65°	11.0	11.0	11.0	11.0	11.0
67.5°	9.5	9.5	9.5	9.5	10.2
70°	7.9	7.9	8.7	8.7	8.7
72.5°	7.1	7.1	7.1	7.1	7.1
75°	5.5	5.5	5.5	5.5	5.5
77.5°	3.9	3.9	4.7	4.7	3.9
80°	3.2	3.2	3.2	3.2	3.2
82.5°	2.4	2.4	2.4	2.4	2.4
85°	0.8	0.8	0.8	0.8	0.8
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)