

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: P1307966

Luminaire Tested: LDSQA3D09R309027DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307966  
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: LDSQA3D09R309027DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

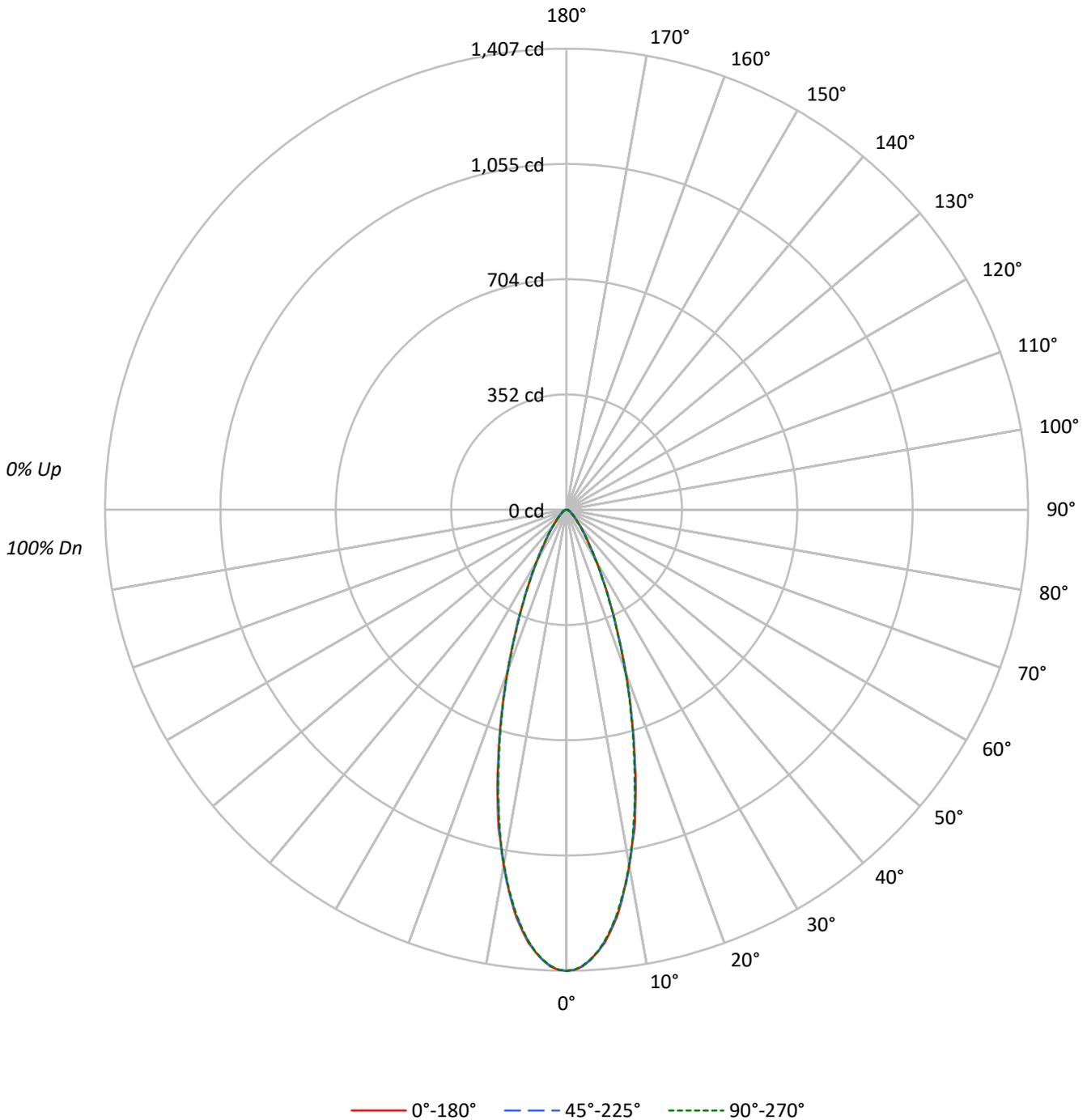
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 618.0 lumens  
Efficiency: N/A  
Efficacy: 55.7 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





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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°	242352	242352	242352
5°	229447	228859	228738
10°	192752	192752	192035
15°	143619	143245	142389
20°	96110	95615	95743
25°	59250	59117	59383
30°	35617	35617	35756
35°	21844	21844	21992
40°	13826	13826	14141
45°	9499	9669	9669
50°	6966	6966	6966
55°	5345	5555	5555
60°	4478	4478	4719
65°	3912	3912	3912
70°	3424	3777	3777
75°	3194	3194	3194
80°	2678	2678	2678
85°	1383	1383	1383

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 9669 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.3	19.3
10°-20°	220.3	35.6
20°-30°	146.4	23.7
30°-40°	67.7	11.0
40°-50°	31.4	5.1
50°-60°	16.8	2.7
60°-70°	9.8	1.6
70°-80°	5.2	0.8
80°-90°	1.1	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
<b>0°-30°</b>	<b>486.0</b>	<b>78.6</b>
<b>0°-40°</b>	<b>553.7</b>	<b>89.6</b>
<b>0°-60°</b>	<b>601.9</b>	<b>97.4</b>
<b>0°-90°</b>	<b>618.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>618.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1407	1407	1407	1407	1407	
5°	1327	1324	1324	1327	1323	119
15°	806	808	803	803	799	221
25°	312	311	311	311	312	147
35°	104	103	104	105	105	67
45°	39	39	40	40	40	31
55°	18	18	18	18	18	17
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
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°	1407.2	1407.2	1407.2	1407.2	1407.2
1°	1404.5	1403.1	1404.5	1406.5	1403.8
2°	1394.9	1393.5	1393.5	1396.2	1393.5
3°	1376.4	1377.8	1377.1	1379.8	1375.1
4°	1353.2	1352.5	1355.2	1356.6	1352.5
5°	1327.2	1324.5	1323.8	1327.2	1323.1
6°	1291.6	1289.6	1288.2	1292.3	1286.8
7°	1253.3	1252.0	1249.9	1251.3	1247.2
8°	1206.2	1205.5	1204.1	1205.5	1200.7
9°	1153.5	1153.5	1156.2	1155.6	1152.8
10°	1102.2	1103.6	1102.2	1103.6	1098.1
11°	1044.8	1044.8	1046.2	1045.5	1046.2
12°	994.9	989.4	988.0	986.7	982.6
13°	930.6	926.5	925.1	926.5	924.5
14°	871.8	869.1	862.2	863.6	860.9
15°	805.5	808.2	803.4	803.4	798.6
17.5°	658.5	655.7	657.1	657.8	655.7
20°	524.4	523.1	521.7	520.3	522.4
22.5°	407.5	408.2	406.8	405.5	404.1
25°	311.8	311.1	311.1	311.1	312.5
27.5°	236.6	236.6	236.6	237.3	237.3
30°	179.1	177.8	179.1	179.8	179.8
32.5°	134.0	135.4	136.1	136.1	136.1
35°	103.9	103.2	103.9	104.6	104.6
37.5°	79.3	79.3	80.0	80.0	80.7
40°	61.5	61.5	61.5	62.2	62.9
42.5°	48.5	48.5	49.2	49.2	49.9
45°	39.0	39.0	39.7	39.7	39.7
47.5°	31.5	31.5	32.1	32.1	32.1
50°	26.0	26.0	26.0	26.0	26.0
52.5°	21.9	21.2	21.9	21.9	21.9
55°	17.8	18.5	18.5	18.5	18.5
57.5°	15.0	15.7	15.7	15.7	15.7
60°	13.0	13.0	13.0	13.7	13.7
62.5°	10.9	11.6	11.6	11.6	11.6
65°	9.6	9.6	9.6	9.6	9.6
67.5°	8.2	8.2	8.2	8.2	8.9
70°	6.8	6.8	7.5	7.5	7.5
72.5°	6.2	6.2	6.2	6.2	6.2
75°	4.8	4.8	4.8	4.8	4.8
77.5°	3.4	3.4	4.1	4.1	3.4
80°	2.7	2.7	2.7	2.7	2.7
82.5°	2.1	2.1	2.1	2.1	2.1
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)