

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: P1307319

Luminaire Tested: LDSQA3D17R309024DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307319  
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: LDSQA3D17R309024DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

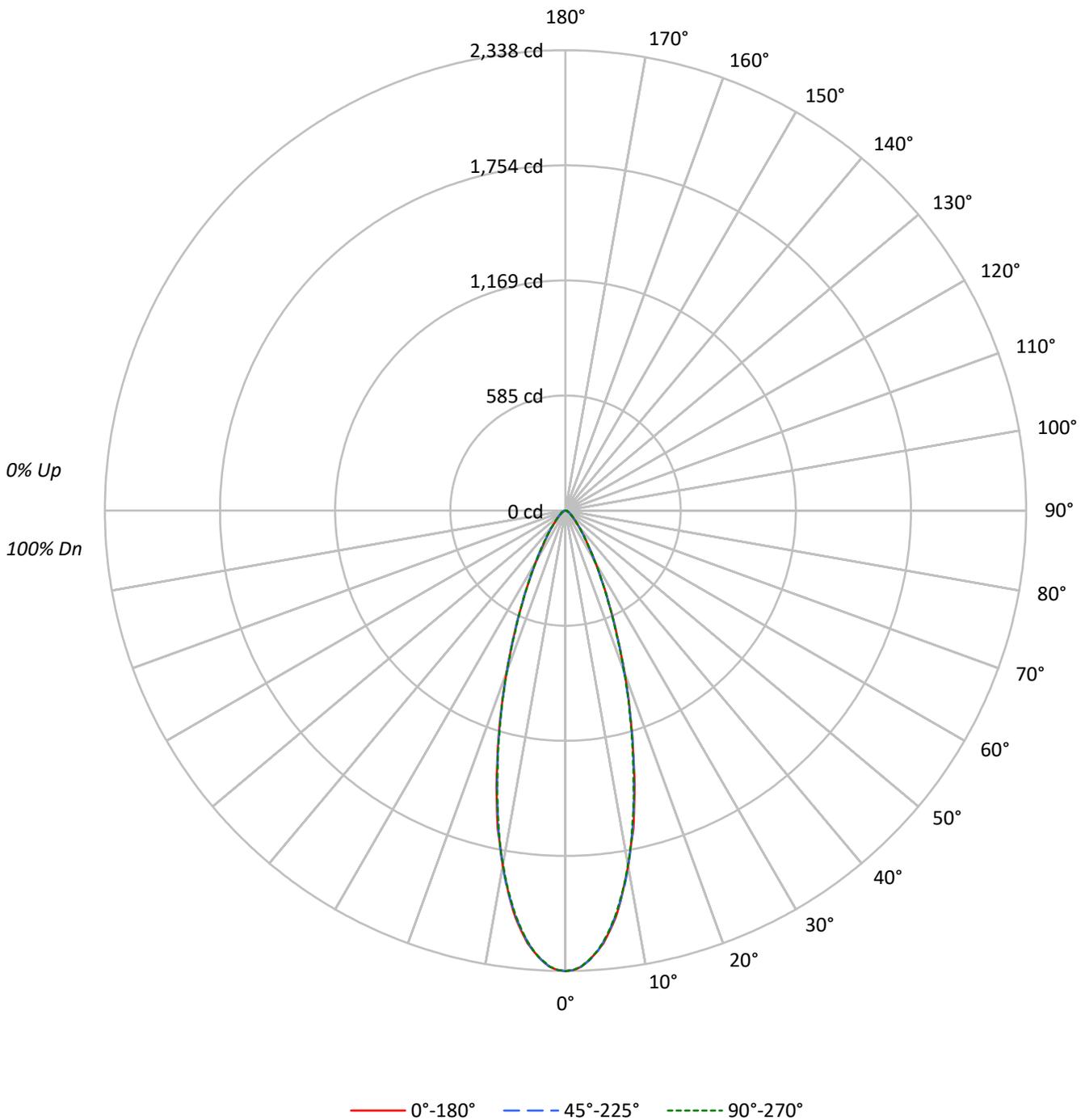
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1027.0 lumens  
Efficiency: N/A  
Efficacy: 48.4 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): 21.2  
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	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°	402743	402743	402743
5°	381288	380320	380112
10°	320327	320327	319138
15°	238652	238046	236637
20°	159725	158900	159101
25°	98453	98244	98681
30°	59202	59202	59421
35°	36309	36309	36562
40°	22999	22999	23494
45°	15783	16051	16051
50°	11575	11575	11575
55°	8858	9218	9218
60°	7440	7440	7819
65°	6479	6479	6479
70°	5740	6294	6294
75°	5323	5323	5323
80°	4463	4463	4463
85°	2174	2174	2174

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 16051 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	198.2	19.3
10°-20°	366.0	35.6
20°-30°	243.3	23.7
30°-40°	112.5	11.0
40°-50°	52.2	5.1
50°-60°	27.9	2.7
60°-70°	16.3	1.6
70°-80°	8.6	0.8
80°-90°	1.8	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°	807.6	78.6
0°-40°	920.1	89.6
0°-60°	1000.2	97.4
0°-90°	1027.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1027.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2338	2338	2338	2338	2338	
5°	2206	2201	2200	2206	2199	198
15°	1338	1343	1335	1335	1327	367
25°	518	517	517	517	519	244
35°	173	172	173	174	174	112
45°	65	65	66	66	66	52
55°	30	31	31	31	31	27
65°	16	16	16	16	16	16
75°	8	8	8	8	8	8
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2338.5	2338.5	2338.5	2338.5	2338.5
1°	2333.9	2331.7	2333.9	2337.3	2332.8
2°	2318.0	2315.8	2315.8	2320.3	2315.8
3°	2287.3	2289.6	2288.5	2293.0	2285.1
4°	2248.7	2247.6	2252.1	2254.4	2247.6
5°	2205.5	2201.0	2199.9	2205.5	2198.7
6°	2146.4	2143.0	2140.8	2147.6	2138.5
7°	2082.8	2080.5	2077.1	2079.4	2072.6
8°	2004.4	2003.3	2001.0	2003.3	1995.3
9°	1916.9	1916.9	1921.5	1920.3	1915.8
10°	1831.7	1834.0	1831.7	1834.0	1824.9
11°	1736.2	1736.2	1738.5	1737.4	1738.5
12°	1653.3	1644.2	1641.9	1639.7	1632.8
13°	1546.5	1539.7	1537.4	1539.7	1536.3
14°	1448.8	1444.2	1432.9	1435.1	1430.6
15°	1338.5	1343.1	1335.1	1335.1	1327.2
17.5°	1094.2	1089.7	1092.0	1093.1	1089.7
20°	871.5	869.3	867.0	864.7	868.1
22.5°	677.2	678.4	676.1	673.8	671.5
25°	518.1	517.0	517.0	517.0	519.3
27.5°	393.2	393.2	393.2	394.3	394.3
30°	297.7	295.4	297.7	298.8	298.8
32.5°	222.7	225.0	226.1	226.1	226.1
35°	172.7	171.6	172.7	173.9	173.9
37.5°	131.8	131.8	132.9	132.9	134.1
40°	102.3	102.3	102.3	103.4	104.5
42.5°	80.7	80.7	81.8	81.8	82.9
45°	64.8	64.8	65.9	65.9	65.9
47.5°	52.3	52.3	53.4	53.4	53.4
50°	43.2	43.2	43.2	43.2	43.2
52.5°	36.4	35.2	36.4	36.4	36.4
55°	29.5	30.7	30.7	30.7	30.7
57.5°	25.0	26.1	26.1	26.1	26.1
60°	21.6	21.6	21.6	22.7	22.7
62.5°	18.2	19.3	19.3	19.3	19.3
65°	15.9	15.9	15.9	15.9	15.9
67.5°	13.6	13.6	13.6	13.6	14.8
70°	11.4	11.4	12.5	12.5	12.5
72.5°	10.2	10.2	10.2	10.2	10.2
75°	8.0	8.0	8.0	8.0	8.0
77.5°	5.7	5.7	6.8	6.8	5.7
80°	4.5	4.5	4.5	4.5	4.5
82.5°	3.4	3.4	3.4	3.4	3.4
85°	1.1	1.1	1.1	1.1	1.1
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)