

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: P1310604

Luminaire Tested: LDSQA3D17R709035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310604  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R709035DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

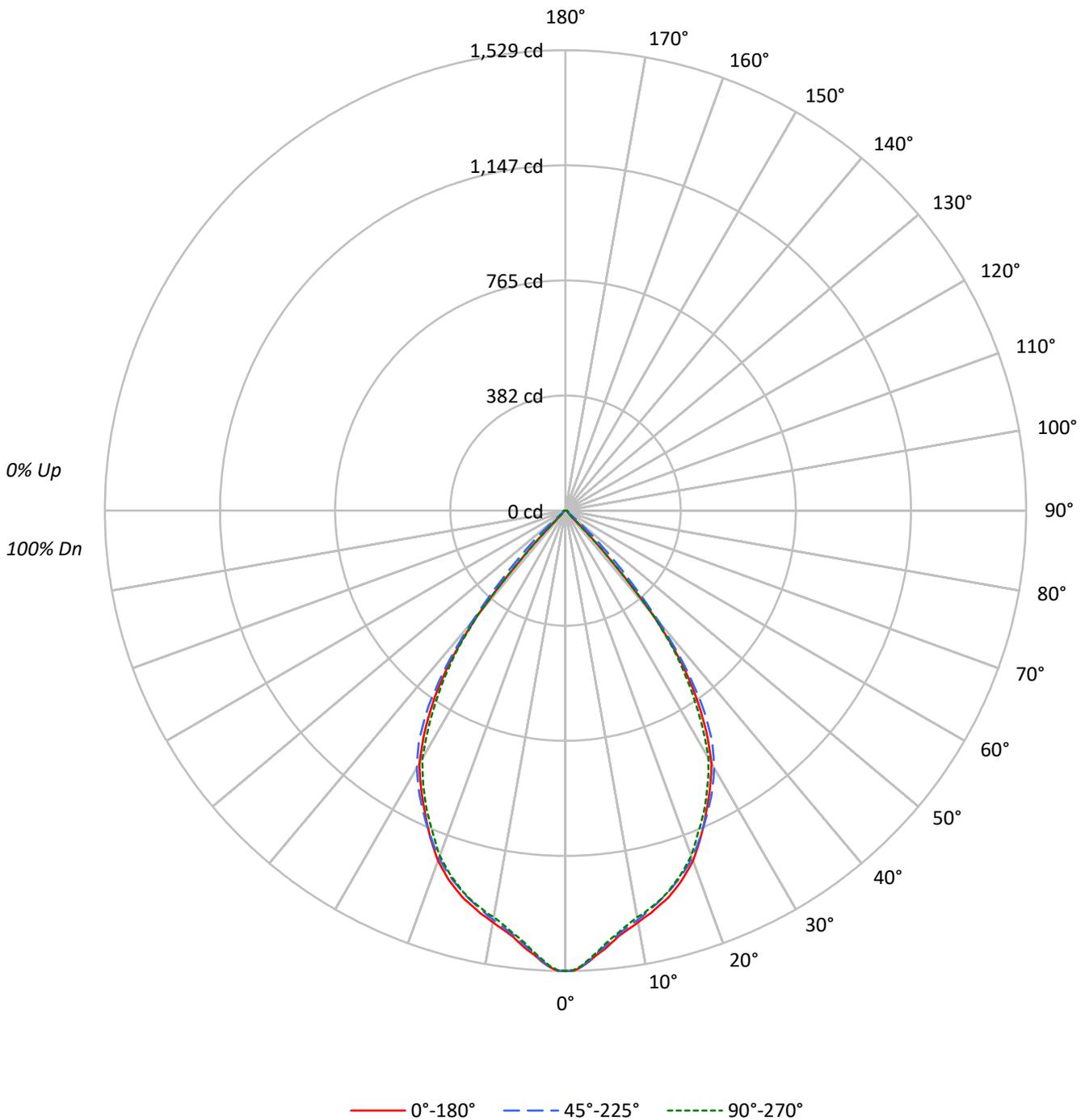
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1630.0 lumens  
Efficiency: N/A  
Efficacy: 76.9 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03  
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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

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

	0°	45°	90°
0°	263277	263277	263277
5°	253062	251697	250780
10°	242785	241386	239777
15°	236673	234070	233838
20°	226767	225062	223614
25°	209941	211462	207433
30°	192840	196260	188883
35°	159029	166556	152911
40°	101259	108993	101259
45°	7088	47104	7745
50°	3188	9592	3188
55°	3573	3573	3573
60°	3651	3651	3651
65°	3219	3790	3219
70°	3323	3978	3323
75°	3527	3527	3527
80°	3967	3967	3967
85°	2569	5138	2569

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 47104 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.4	8.4
10°-20°	369.3	22.7
20°-30°	507.6	31.1
30°-40°	465.0	28.5
40°-50°	123.4	7.6
50°-60°	11.0	0.7
60°-70°	9.0	0.5
70°-80°	6.0	0.4
80°-90°	2.2	0.1
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°	1013.4	62.2
0°-40°	1478.4	90.7
0°-60°	1612.8	98.9
0°-90°	1630.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1630.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1529	1529	1529	1529	1529	
5°	1464	1457	1456	1453	1451	137
15°	1327	1315	1313	1313	1312	372
25°	1105	1109	1113	1100	1092	508
35°	756	768	792	756	727	459
45°	29	99	193	101	32	88
55°	12	12	12	12	12	10
65°	8	9	9	9	8	8
75°	5	5	5	5	5	6
85°	1	3	3	3	1	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1528.7	1528.7	1528.7	1528.7	1528.7
1°	1528.7	1526.1	1528.7	1528.7	1526.1
2°	1516.8	1514.1	1515.5	1514.1	1512.8
3°	1499.6	1495.6	1496.9	1494.3	1491.6
4°	1479.7	1475.7	1475.7	1474.4	1471.7
5°	1463.8	1457.2	1455.9	1453.2	1450.6
6°	1445.3	1438.6	1437.3	1433.3	1430.7
7°	1426.7	1421.4	1420.1	1414.8	1414.8
8°	1412.1	1405.5	1405.5	1398.9	1398.9
9°	1400.2	1392.3	1392.3	1387.0	1384.3
10°	1388.3	1380.3	1380.3	1373.7	1371.1
11°	1376.4	1369.7	1367.1	1363.1	1361.8
12°	1365.8	1356.5	1353.8	1352.5	1349.9
13°	1352.5	1343.3	1340.6	1339.3	1338.0
14°	1340.6	1328.7	1327.4	1324.7	1326.0
15°	1327.4	1315.4	1312.8	1312.8	1311.5
17.5°	1286.3	1278.3	1274.4	1271.7	1269.1
20°	1237.3	1230.7	1228.0	1222.7	1220.1
22.5°	1173.7	1172.4	1171.0	1164.4	1153.8
25°	1104.8	1108.8	1112.8	1099.5	1091.6
27.5°	1038.6	1049.2	1053.1	1039.9	1022.7
30°	969.7	979.0	986.9	968.4	949.8
32.5°	870.3	892.9	904.8	883.6	841.2
35°	756.4	768.3	792.2	756.4	727.3
37.5°	623.9	630.6	649.1	625.3	605.4
40°	450.4	470.3	484.8	470.3	450.4
42.5°	202.7	283.5	320.6	299.4	212.0
45°	29.1	99.4	193.4	100.7	31.8
47.5°	11.9	15.9	100.7	14.6	11.9
50°	11.9	11.9	35.8	11.9	11.9
52.5°	11.9	11.9	13.2	11.9	11.9
55°	11.9	11.9	11.9	11.9	11.9
57.5°	10.6	10.6	11.9	10.6	10.6
60°	10.6	10.6	10.6	10.6	10.6
62.5°	9.3	10.6	10.6	10.6	9.3
65°	7.9	9.3	9.3	9.3	7.9
67.5°	7.9	7.9	7.9	7.9	7.9
70°	6.6	7.9	7.9	7.9	6.6
72.5°	6.6	6.6	6.6	6.6	6.6
75°	5.3	5.3	5.3	5.3	5.3
77.5°	4.0	5.3	5.3	5.3	4.0
80°	4.0	4.0	4.0	4.0	4.0
82.5°	2.6	2.6	2.6	2.6	2.6
85°	1.3	2.6	2.6	2.6	1.3
87.5°	1.3	1.3	1.3	1.3	1.3



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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)