

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: P1320337

Luminaire Tested: LDSQA3D17R709840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320337  
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: LDSQA3D17R709840DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

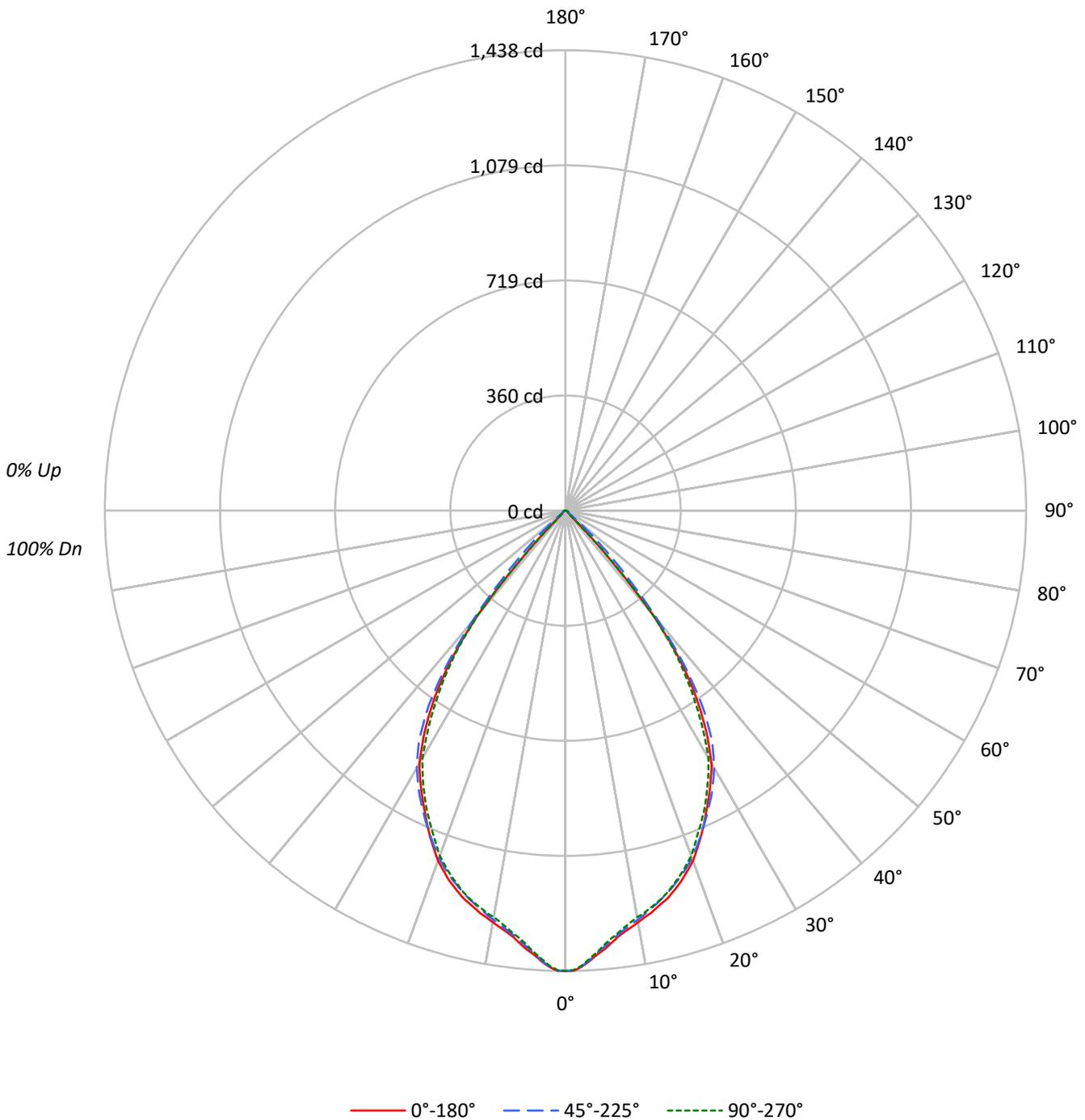
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1533.0 lumens  
Efficiency: N/A  
Efficacy: 75.1 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): 20.4  
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°	247604	247604	247604
5°	238005	236708	235844
10°	228340	227029	225507
15°	222587	220145	219913
20°	213259	211665	210290
25°	197457	198863	195081
30°	181365	184587	177647
35°	149568	156633	143808
40°	95234	102518	95234
45°	6674	44303	7282
50°	3001	9002	3001
55°	3363	3363	3363
60°	3444	3444	3444
65°	3056	3545	3056
70°	3122	3777	3122
75°	3327	3327	3327
80°	3670	3670	3670
85°	2371	4940	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 44303 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.3	8.4
10°-20°	347.3	22.7
20°-30°	477.4	31.1
30°-40°	437.3	28.5
40°-50°	116.1	7.6
50°-60°	10.4	0.7
60°-70°	8.5	0.6
70°-80°	5.6	0.4
80°-90°	2.1	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°	953.1	62.2
0°-40°	1390.4	90.7
0°-60°	1516.8	98.9
0°-90°	1533.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1533.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1438	1438	1438	1438	1438	
5°	1377	1370	1369	1367	1364	129
15°	1248	1237	1235	1235	1233	350
25°	1039	1043	1046	1034	1027	478
35°	711	723	745	711	684	431
45°	27	93	182	95	30	82
55°	11	11	11	11	11	10
65°	8	9	9	9	8	8
75°	5	5	5	5	5	5
85°	1	2	2	2	1	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1437.7	1437.7	1437.7	1437.7	1437.7
1°	1437.7	1435.2	1437.7	1437.7	1435.2
2°	1426.5	1424.0	1425.3	1424.0	1422.8
3°	1410.3	1406.6	1407.8	1405.3	1402.9
4°	1391.6	1387.9	1387.9	1386.7	1384.2
5°	1376.7	1370.5	1369.2	1366.7	1364.2
6°	1359.2	1353.0	1351.8	1348.0	1345.5
7°	1341.8	1336.8	1335.6	1330.6	1330.6
8°	1328.1	1321.9	1321.9	1315.6	1315.6
9°	1316.9	1309.4	1309.4	1304.4	1301.9
10°	1305.7	1298.2	1298.2	1292.0	1289.5
11°	1294.5	1288.2	1285.7	1282.0	1280.8
12°	1284.5	1275.8	1273.3	1272.0	1269.5
13°	1272.0	1263.3	1260.8	1259.6	1258.3
14°	1260.8	1249.6	1248.4	1245.9	1247.1
15°	1248.4	1237.2	1234.7	1234.7	1233.4
17.5°	1209.7	1202.3	1198.5	1196.0	1193.5
20°	1163.6	1157.4	1154.9	1149.9	1147.4
22.5°	1103.8	1102.6	1101.4	1095.1	1085.2
25°	1039.1	1042.8	1046.5	1034.1	1026.6
27.5°	976.8	986.7	990.5	978.0	961.8
30°	912.0	920.7	928.2	910.7	893.3
32.5°	818.5	839.7	850.9	831.0	791.1
35°	711.4	722.6	745.0	711.4	684.0
37.5°	586.8	593.0	610.5	588.1	569.4
40°	423.6	442.3	456.0	442.3	423.6
42.5°	190.6	266.6	301.5	281.6	199.3
45°	27.4	93.4	181.9	94.7	29.9
47.5°	11.2	15.0	94.7	13.7	11.2
50°	11.2	11.2	33.6	11.2	11.2
52.5°	11.2	11.2	12.5	11.2	11.2
55°	11.2	11.2	11.2	11.2	11.2
57.5°	10.0	10.0	11.2	10.0	10.0
60°	10.0	10.0	10.0	10.0	10.0
62.5°	8.7	10.0	10.0	10.0	8.7
65°	7.5	8.7	8.7	8.7	7.5
67.5°	7.5	7.5	7.5	7.5	7.5
70°	6.2	7.5	7.5	7.5	6.2
72.5°	6.2	6.2	6.2	6.2	6.2
75°	5.0	5.0	5.0	5.0	5.0
77.5°	3.7	5.0	5.0	5.0	3.7
80°	3.7	3.7	3.7	3.7	3.7
82.5°	2.5	2.5	2.5	2.5	2.5
85°	1.2	2.5	2.5	2.5	1.2
87.5°	1.2	1.2	1.2	1.2	1.2



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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)