

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: P1315850

Luminaire Tested: LDSQA3D17R709735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315850  
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: LDSQA3D17R709735DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

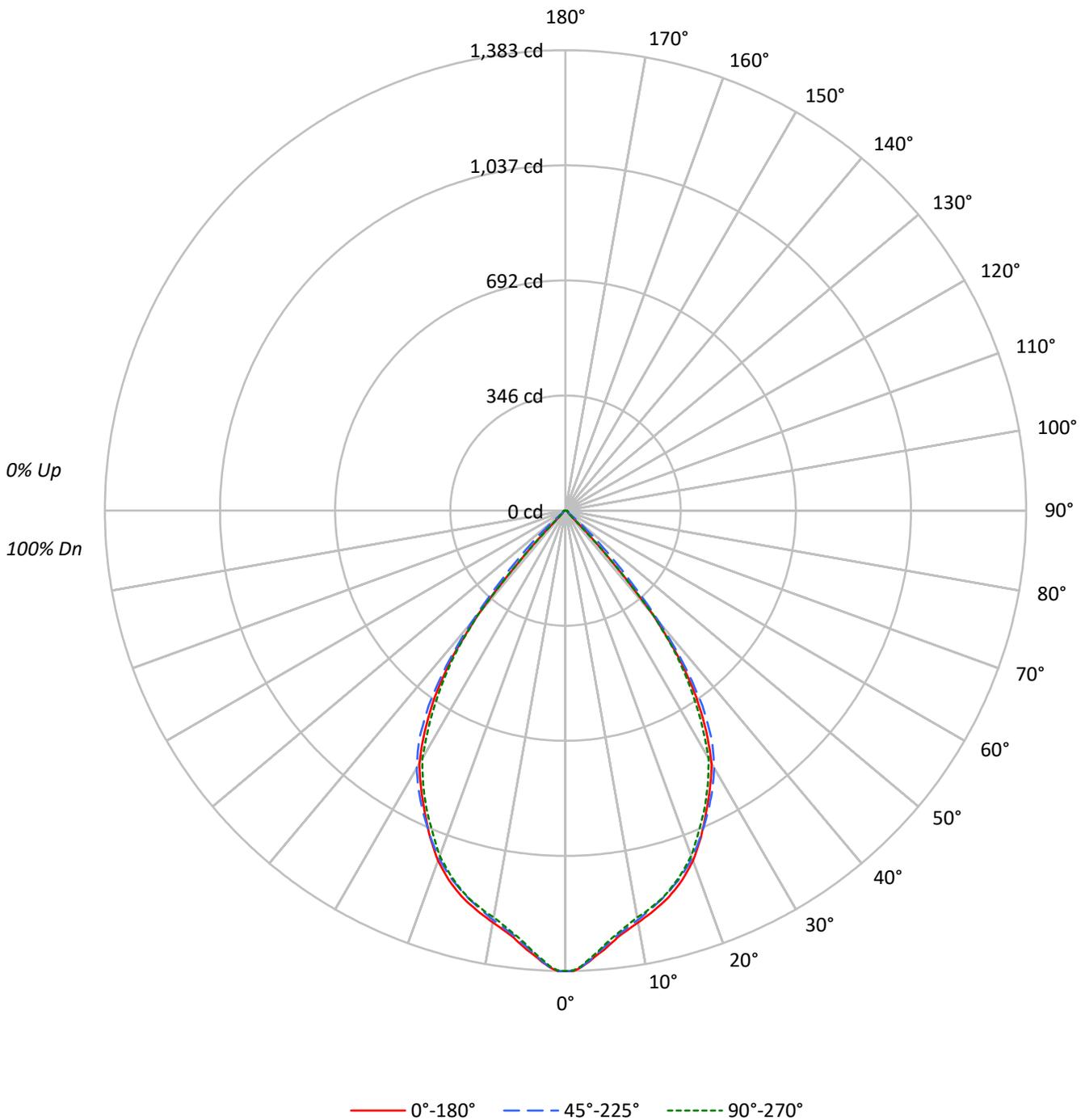
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1475.0 lumens  
Efficiency: N/A  
Efficacy: 69.6 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	75	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°	238236	238236	238236
5°	228998	227753	226923
10°	219701	218442	216973
15°	214154	211800	211586
20°	205195	203656	202336
25°	189970	191338	187708
30°	174505	177607	170925
35°	143913	150704	138362
40°	91637	98629	91637
45°	6430	42623	7015
50°	2894	8681	2894
55°	3243	3243	3243
60°	3307	3307	3307
65°	2934	3423	2934
70°	3021	3626	3021
75°	3194	3194	3194
80°	3570	3570	3570
85°	2371	4742	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 42623 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.5	8.4
10°-20°	334.2	22.7
20°-30°	459.4	31.1
30°-40°	420.8	28.5
40°-50°	111.7	7.6
50°-60°	10.0	0.7
60°-70°	8.1	0.6
70°-80°	5.4	0.4
80°-90°	2.0	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°	917.0	62.2
0°-40°	1337.8	90.7
0°-60°	1459.4	98.9
0°-90°	1475.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1475.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1383	1383	1383	1383	1383	
5°	1325	1319	1317	1315	1313	124
15°	1201	1190	1188	1188	1187	337
25°	1000	1003	1007	995	988	460
35°	684	695	717	684	658	415
45°	26	90	175	91	29	79
55°	11	11	11	11	11	9
65°	7	8	8	8	7	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°	1383.3	1383.3	1383.3	1383.3	1383.3
1°	1383.3	1380.9	1383.3	1383.3	1380.9
2°	1372.6	1370.2	1371.4	1370.2	1369.0
3°	1357.0	1353.4	1354.6	1352.2	1349.8
4°	1339.0	1335.4	1335.4	1334.2	1331.8
5°	1324.6	1318.6	1317.4	1315.0	1312.6
6°	1307.8	1301.8	1300.6	1297.0	1294.6
7°	1291.0	1286.2	1285.0	1280.2	1280.2
8°	1277.9	1271.9	1271.9	1265.9	1265.9
9°	1267.1	1259.9	1259.9	1255.1	1252.7
10°	1256.3	1249.1	1249.1	1243.1	1240.7
11°	1245.5	1239.5	1237.1	1233.5	1232.3
12°	1235.9	1227.5	1225.1	1223.9	1221.5
13°	1223.9	1215.5	1213.1	1211.9	1210.7
14°	1213.1	1202.3	1201.1	1198.7	1199.9
15°	1201.1	1190.3	1187.9	1187.9	1186.7
17.5°	1164.0	1156.8	1153.2	1150.8	1148.4
20°	1119.6	1113.6	1111.2	1106.4	1104.0
22.5°	1062.1	1060.9	1059.7	1053.7	1044.1
25°	999.7	1003.3	1006.9	995.0	987.8
27.5°	939.8	949.4	953.0	941.0	925.4
30°	877.5	885.9	893.1	876.3	859.5
32.5°	787.6	807.9	818.7	799.6	761.2
35°	684.5	695.3	716.8	684.5	658.1
37.5°	564.6	570.6	587.4	565.8	547.8
40°	407.6	425.6	438.7	425.6	407.6
42.5°	183.4	256.5	290.1	270.9	191.8
45°	26.4	89.9	175.0	91.1	28.8
47.5°	10.8	14.4	91.1	13.2	10.8
50°	10.8	10.8	32.4	10.8	10.8
52.5°	10.8	10.8	12.0	10.8	10.8
55°	10.8	10.8	10.8	10.8	10.8
57.5°	9.6	9.6	10.8	9.6	9.6
60°	9.6	9.6	9.6	9.6	9.6
62.5°	8.4	9.6	9.6	9.6	8.4
65°	7.2	8.4	8.4	8.4	7.2
67.5°	7.2	7.2	7.2	7.2	7.2
70°	6.0	7.2	7.2	7.2	6.0
72.5°	6.0	6.0	6.0	6.0	6.0
75°	4.8	4.8	4.8	4.8	4.8
77.5°	3.6	4.8	4.8	4.8	3.6
80°	3.6	3.6	3.6	3.6	3.6
82.5°	2.4	2.4	2.4	2.4	2.4
85°	1.2	2.4	2.4	2.4	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)