

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: P1311565

Luminaire Tested: LDSQA3D13R709040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311565  
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: LDSQA3D13R709040DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

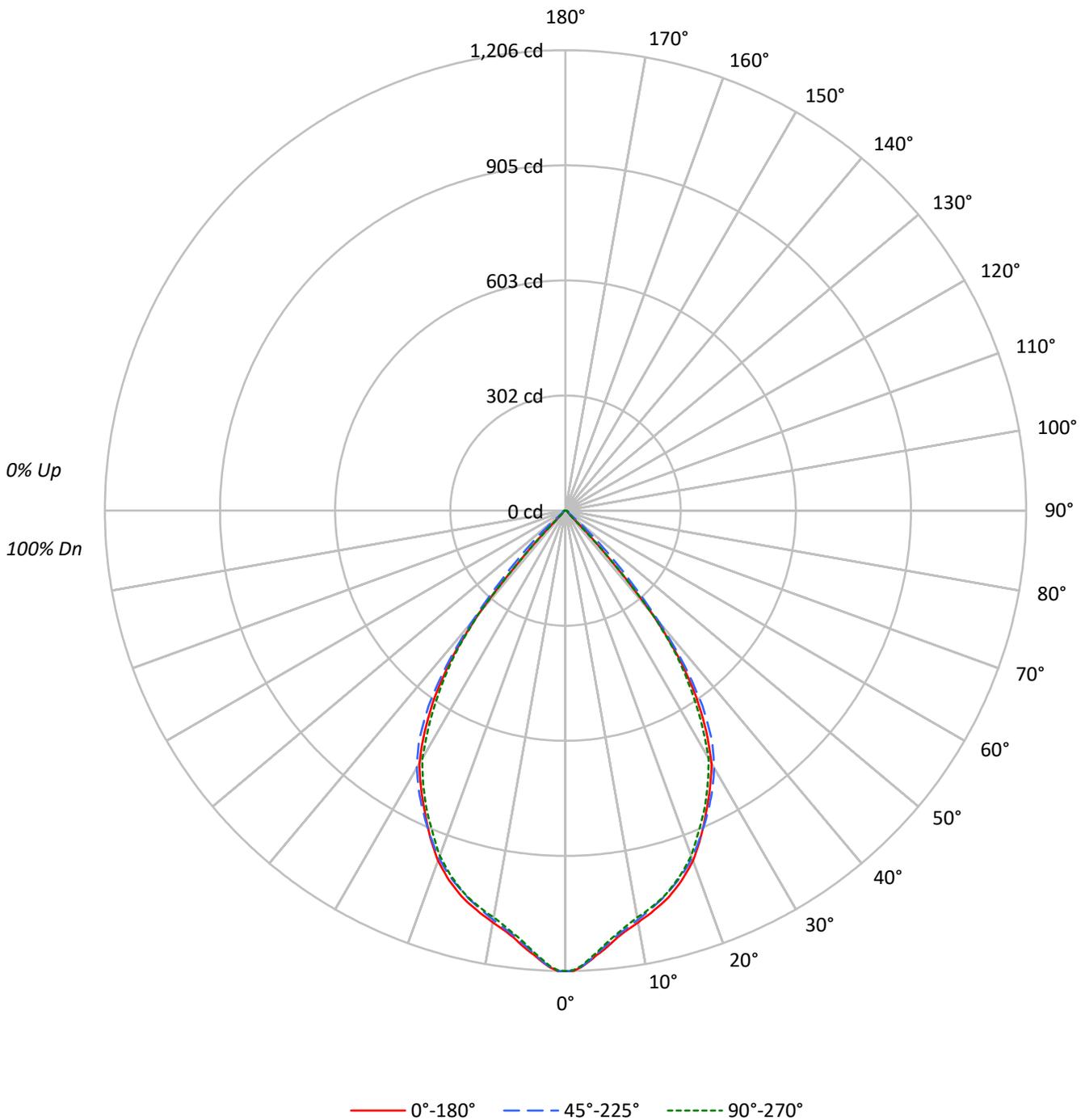
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1286.0 lumens  
Efficiency: N/A  
Efficacy: 88.1 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): 14.6  
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				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°	207718	207718	207718
5°	199660	198571	197844
10°	191545	190444	189167
15°	186714	184663	184485
20°	178914	177557	176421
25°	165627	166824	163651
30°	152132	154837	149030
35°	125474	131403	120639
40°	79879	85994	79879
45°	5602	37167	6113
50°	2519	7556	2519
55°	2822	2822	2822
60°	2893	2893	2893
65°	2567	2975	2567
70°	2618	3172	2618
75°	2795	2795	2795
80°	3075	3075	3075
85°	1976	4150	1976

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 37167 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.6	8.4
10°-20°	291.4	22.7
20°-30°	400.5	31.1
30°-40°	366.8	28.5
40°-50°	97.4	7.6
50°-60°	8.7	0.7
60°-70°	7.1	0.6
70°-80°	4.7	0.4
80°-90°	1.8	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°	799.5	62.2
0°-40°	1166.4	90.7
0°-60°	1272.4	98.9
0°-90°	1286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1286.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1206	1206	1206	1206	1206	
5°	1155	1150	1149	1146	1144	108
15°	1047	1038	1036	1036	1035	294
25°	872	875	878	868	861	401
35°	597	606	625	597	574	362
45°	23	78	153	79	25	69
55°	9	9	9	9	9	8
65°	6	7	7	7	6	7
75°	4	4	4	4	4	4
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°	1206.1	1206.1	1206.1	1206.1	1206.1
1°	1206.1	1204.0	1206.1	1206.1	1204.0
2°	1196.7	1194.6	1195.6	1194.6	1193.5
3°	1183.1	1180.0	1181.0	1178.9	1176.8
4°	1167.4	1164.3	1164.3	1163.2	1161.1
5°	1154.9	1149.6	1148.6	1146.5	1144.4
6°	1140.2	1135.0	1134.0	1130.8	1128.7
7°	1125.6	1121.4	1120.4	1116.2	1116.2
8°	1114.1	1108.9	1108.9	1103.7	1103.7
9°	1104.7	1098.4	1098.4	1094.3	1092.2
10°	1095.3	1089.0	1089.0	1083.8	1081.7
11°	1085.9	1080.7	1078.6	1075.4	1074.4
12°	1077.5	1070.2	1068.1	1067.1	1065.0
13°	1067.1	1059.8	1057.7	1056.6	1055.6
14°	1057.7	1048.3	1047.2	1045.1	1046.2
15°	1047.2	1037.8	1035.7	1035.7	1034.7
17.5°	1014.8	1008.6	1005.4	1003.3	1001.2
20°	976.2	970.9	968.8	964.7	962.6
22.5°	926.0	924.9	923.9	918.7	910.3
25°	871.6	874.8	877.9	867.5	861.2
27.5°	819.4	827.7	830.9	820.4	806.8
30°	765.0	772.4	778.6	764.0	749.4
32.5°	686.7	704.4	713.8	697.1	663.7
35°	596.8	606.2	625.0	596.8	573.8
37.5°	492.3	497.5	512.1	493.3	477.6
40°	355.3	371.0	382.5	371.0	355.3
42.5°	159.9	223.7	252.9	236.2	167.2
45°	23.0	78.4	152.6	79.4	25.1
47.5°	9.4	12.5	79.4	11.5	9.4
50°	9.4	9.4	28.2	9.4	9.4
52.5°	9.4	9.4	10.5	9.4	9.4
55°	9.4	9.4	9.4	9.4	9.4
57.5°	8.4	8.4	9.4	8.4	8.4
60°	8.4	8.4	8.4	8.4	8.4
62.5°	7.3	8.4	8.4	8.4	7.3
65°	6.3	7.3	7.3	7.3	6.3
67.5°	6.3	6.3	6.3	6.3	6.3
70°	5.2	6.3	6.3	6.3	5.2
72.5°	5.2	5.2	5.2	5.2	5.2
75°	4.2	4.2	4.2	4.2	4.2
77.5°	3.1	4.2	4.2	4.2	3.1
80°	3.1	3.1	3.1	3.1	3.1
82.5°	2.1	2.1	2.1	2.1	2.1
85°	1.0	2.1	2.1	2.1	1.0
87.5°	1.0	1.0	1.0	1.0	1.0



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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)