

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: P1309328

Luminaire Tested: LDSQA3D13R709030DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309328  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R709030DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

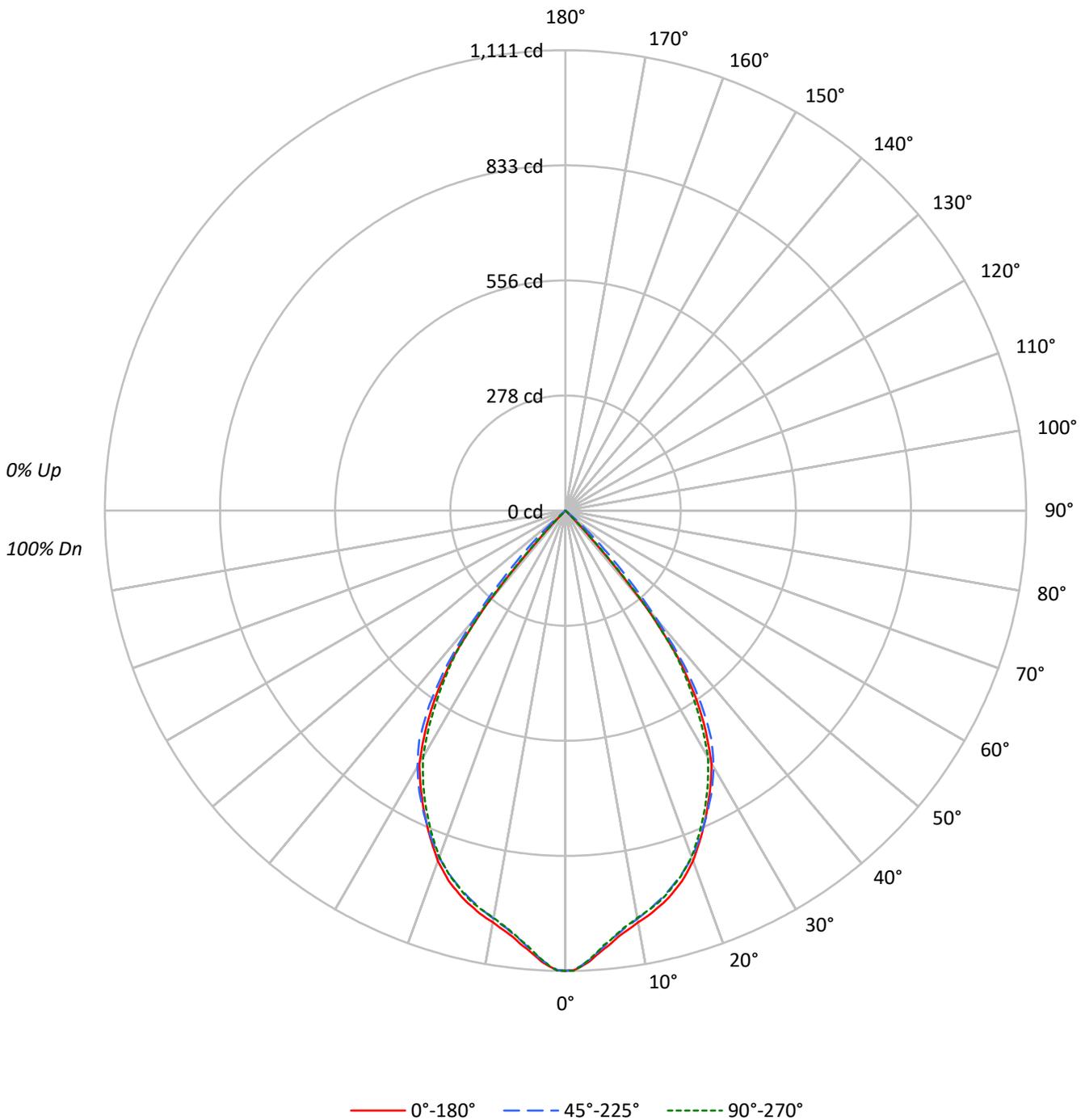
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1149.0 lumens  
Efficiency: N/A  
Efficacy: 78.7 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 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	100				100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93				93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86				86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80				80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74				74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68				68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63				63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59				59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51				51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48				48

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

	0°	45°	90°
0°	191270	191270	191270
5°	183599	182596	182095
10°	176383	174844	174512
15°	172200	169775	170132
20°	164911	163298	162950
25°	153066	153428	151033
30°	140101	142030	136621
35°	114605	120113	110105
40°	65962	76889	67716
45°	950	31955	3312
50°	0	3376	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 31955 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.1	8.6
10°-20°	268.5	23.4
20°-30°	368.9	32.1
30°-40°	334.4	29.1
40°-50°	77.7	6.8
50°-60°	0.4	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	736.4	64.1
0°-40°	1070.9	93.2
0°-60°	1149.0	100.0
0°-90°	1149.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1149.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1111	1111	1111	1111	1111	
5°	1062	1059	1056	1054	1053	100
15°	966	959	952	952	954	271
25°	806	809	807	800	795	370
35°	545	553	571	547	524	327
45°	4	44	131	56	14	47
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1110.6	1110.6	1110.6	1110.6	1110.6
1°	1109.6	1107.7	1108.7	1109.6	1110.6
2°	1100.9	1098.9	1098.9	1099.9	1099.9
3°	1090.2	1086.3	1086.3	1085.3	1085.3
4°	1075.6	1072.7	1070.8	1069.8	1069.8
5°	1062.0	1059.1	1056.2	1054.3	1053.3
6°	1050.4	1045.5	1041.6	1040.6	1041.6
7°	1036.8	1033.8	1030.0	1027.0	1028.0
8°	1027.0	1023.2	1018.3	1016.4	1016.4
9°	1018.3	1014.4	1009.6	1005.7	1007.6
10°	1008.6	1004.7	999.8	996.9	997.9
11°	1001.8	996.9	991.1	989.2	990.1
12°	994.0	988.2	982.3	981.4	983.3
13°	984.3	978.5	972.6	972.6	974.6
14°	975.5	968.7	962.9	962.9	965.8
15°	965.8	959.0	952.2	952.2	954.2
17.5°	936.7	930.9	924.0	924.0	925.0
20°	899.8	896.8	891.0	888.1	889.1
22.5°	853.1	853.1	850.2	845.3	843.4
25°	805.5	809.4	807.4	799.7	794.8
27.5°	756.0	762.8	763.7	752.1	743.3
30°	704.5	710.3	714.2	700.6	687.0
32.5°	628.7	646.2	655.9	637.4	609.2
35°	545.1	552.9	571.3	547.0	523.7
37.5°	443.1	452.8	468.3	448.9	435.3
40°	293.4	332.3	342.0	332.3	301.2
42.5°	105.9	186.6	224.5	190.4	124.4
45°	3.9	43.7	131.2	56.4	13.6
47.5°	0.0	1.0	59.3	1.9	0.0
50°	0.0	0.0	12.6	0.0	0.0
52.5°	0.0	0.0	1.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)