

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: P1311564

Luminaire Tested: LDSQA3D13R709040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311564  
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: LDSQA3D13R709040DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

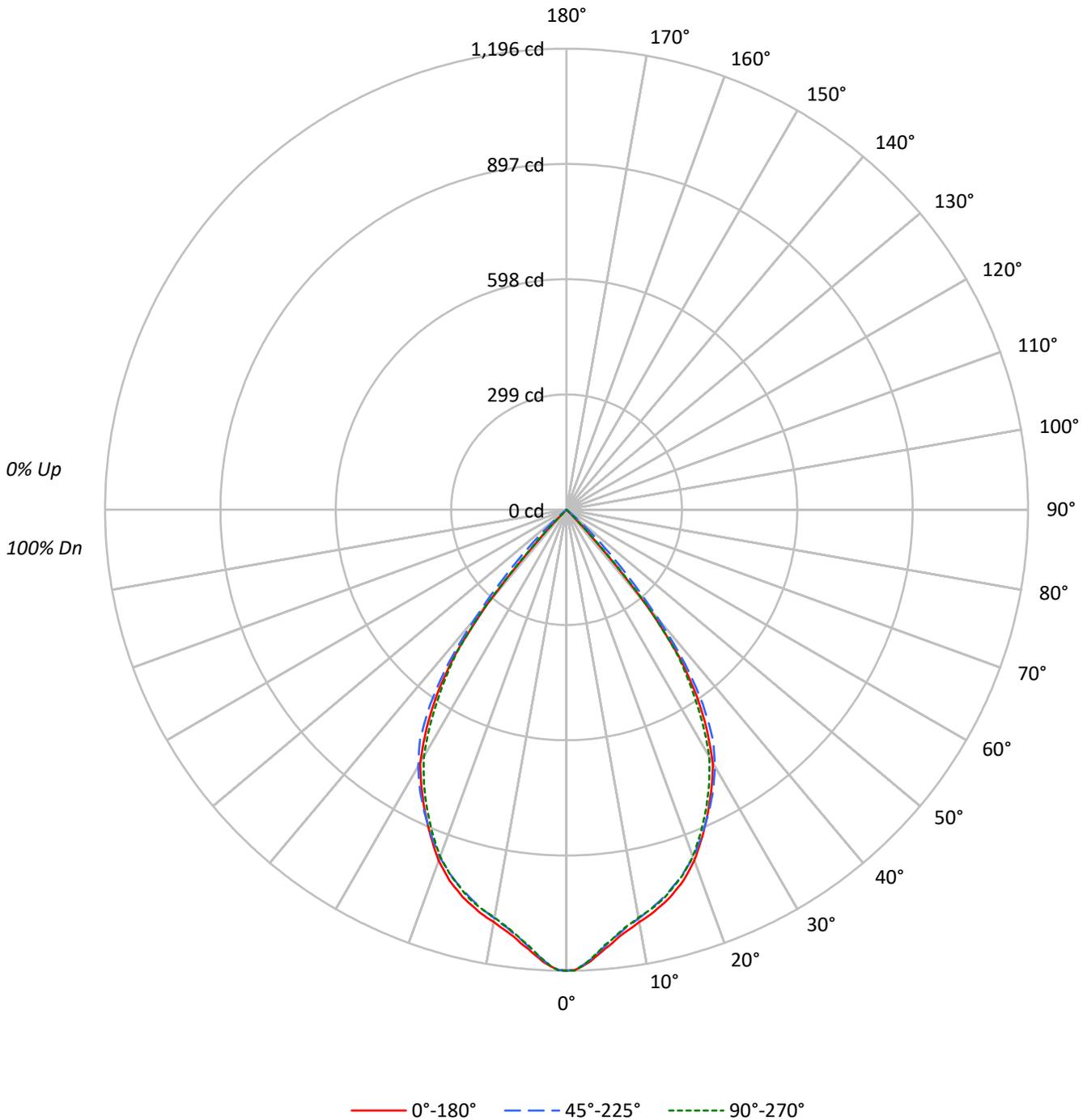
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1237.0 lumens  
Efficiency: N/A  
Efficacy: 84.7 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 (Ain): 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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	95	95	95	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	88	88	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	81	81	81	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	75	75	75	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	70	70	70	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	65	65	65	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	60	60	60	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	56	56	56	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	53	53	53	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	49	49	49	48

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

	0°	45°	90°
0°	205927	205927	205927
5°	197672	196582	196029
10°	189884	188240	187873
15°	185394	182791	183148
20°	177539	175816	175431
25°	164791	165190	162606
30°	150820	152908	147081
35°	123372	129322	118536
40°	71021	82779	72909
45°	1023	34391	3556
50°	0	3644	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: 34391 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.7	8.6
10°-20°	289.1	23.4
20°-30°	397.1	32.1
30°-40°	360.1	29.1
40°-50°	83.7	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°	792.8	64.1
0°-40°	1152.9	93.2
0°-60°	1237.0	100.0
0°-90°	1237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1237.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1196	1196	1196	1196	1196	
5°	1143	1140	1137	1135	1134	107
15°	1040	1032	1025	1025	1027	292
25°	867	871	869	861	856	398
35°	587	595	615	589	564	353
45°	4	47	141	61	15	50
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°	1195.7	1195.7	1195.7	1195.7	1195.7
1°	1194.6	1192.5	1193.6	1194.6	1195.7
2°	1185.2	1183.1	1183.1	1184.2	1184.2
3°	1173.7	1169.5	1169.5	1168.5	1168.5
4°	1158.0	1154.9	1152.8	1151.7	1151.7
5°	1143.4	1140.2	1137.1	1135.0	1133.9
6°	1130.8	1125.6	1121.4	1120.3	1121.4
7°	1116.2	1113.0	1108.8	1105.7	1106.8
8°	1105.7	1101.5	1096.3	1094.2	1094.2
9°	1096.3	1092.1	1086.9	1082.7	1084.8
10°	1085.8	1081.6	1076.4	1073.3	1074.3
11°	1078.5	1073.3	1067.0	1064.9	1066.0
12°	1070.1	1063.9	1057.6	1056.5	1058.6
13°	1059.7	1053.4	1047.1	1047.1	1049.2
14°	1050.3	1042.9	1036.7	1036.7	1039.8
15°	1039.8	1032.5	1025.2	1025.2	1027.2
17.5°	1008.4	1002.1	994.8	994.8	995.9
20°	968.7	965.5	959.3	956.1	957.2
22.5°	918.5	918.5	915.3	910.1	908.0
25°	867.2	871.4	869.3	860.9	855.7
27.5°	813.8	821.2	822.2	809.7	800.2
30°	758.4	764.7	768.9	754.2	739.6
32.5°	676.8	695.6	706.1	686.2	655.9
35°	586.8	595.2	615.1	588.9	563.8
37.5°	477.0	487.5	504.2	483.3	468.6
40°	315.9	357.8	368.2	357.8	324.3
42.5°	114.0	200.8	241.6	205.0	133.9
45°	4.2	47.1	141.2	60.7	14.6
47.5°	0.0	1.0	63.8	2.1	0.0
50°	0.0	0.0	13.6	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)