

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: P1316820

Luminaire Tested: LDSQA3D17R709740DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

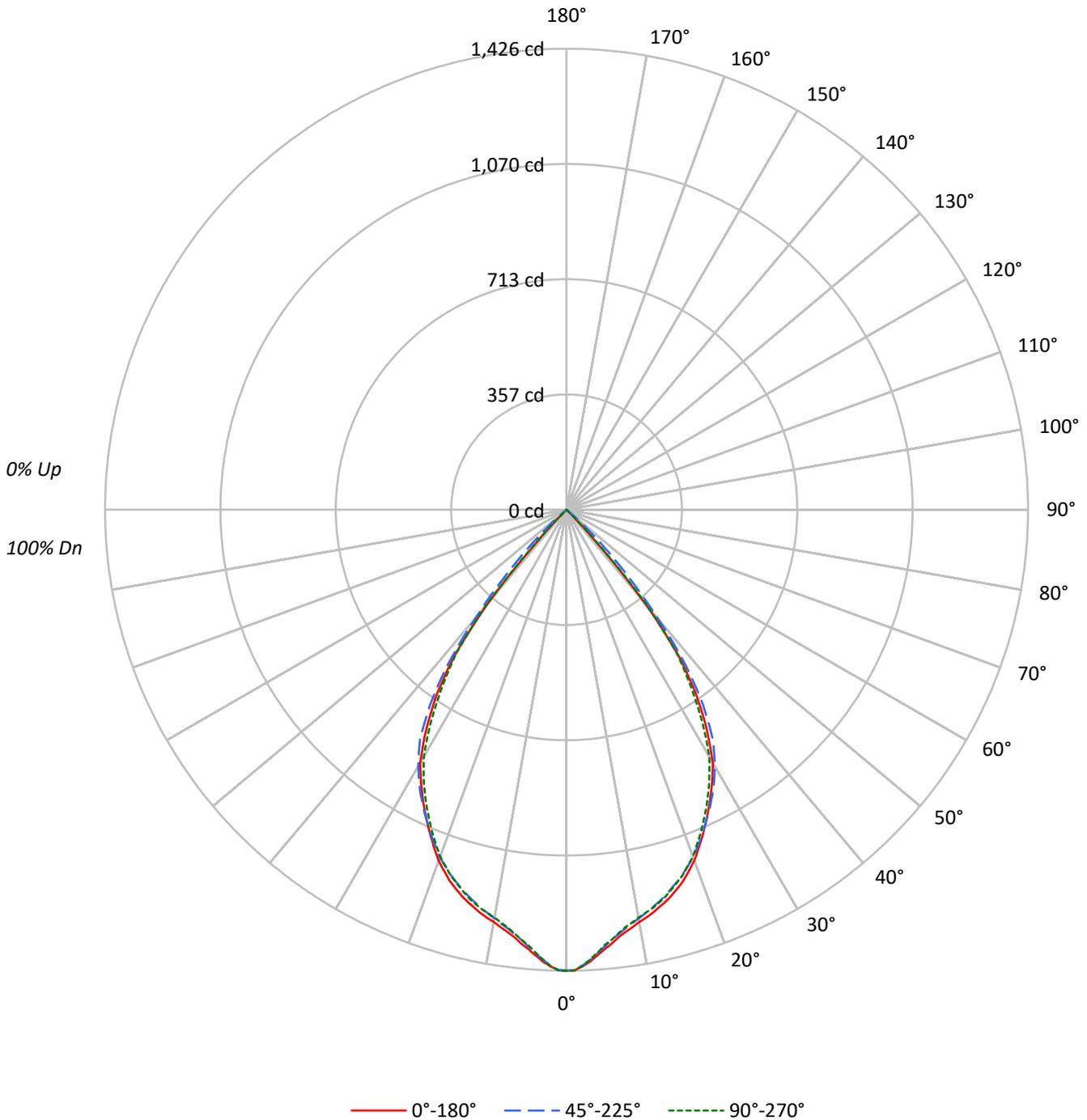
Test Method: LM-79-2019  
Report Number: P1316820  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R709740DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MB 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 / 0.99 / 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 (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	100	100	100	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93	93	93	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86	86	86	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80	80	80	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74	74	74	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68	68	68	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63	63	63	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51	51	51	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48	48	48	48

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

	0°	45°	90°
0°	245538	245538	245538
5°	235688	234409	233752
10°	226416	224458	224021
15°	221072	217951	218397
20°	211683	209631	209172
25°	196488	196963	193884
30°	179834	182320	175380
35°	147129	154194	141348
40°	84690	98719	86938
45°	1218	41015	4262
50°	0	4340	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: 41015 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.2	8.6
10°-20°	344.7	23.4
20°-30°	473.5	32.1
30°-40°	429.3	29.1
40°-50°	99.8	6.8
50°-60°	0.5	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°	945.4	64.1
0°-40°	1374.7	93.2
0°-60°	1475.0	100.0
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°	1426	1426	1426	1426	1426	
5°	1363	1360	1356	1353	1352	128
15°	1240	1231	1222	1222	1225	348
25°	1034	1039	1036	1027	1020	474
35°	700	710	733	702	672	420
45°	5	56	168	72	18	60
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°	1425.7	1425.7	1425.7	1425.7	1425.7
1°	1424.5	1422.0	1423.2	1424.5	1425.7
2°	1413.2	1410.7	1410.7	1412.0	1412.0
3°	1399.5	1394.5	1394.5	1393.3	1393.3
4°	1380.8	1377.1	1374.6	1373.3	1373.3
5°	1363.3	1359.6	1355.9	1353.4	1352.1
6°	1348.4	1342.1	1337.2	1335.9	1337.2
7°	1330.9	1327.2	1322.2	1318.4	1319.7
8°	1318.4	1313.5	1307.2	1304.7	1304.7
9°	1307.2	1302.2	1296.0	1291.0	1293.5
10°	1294.7	1289.8	1283.5	1279.8	1281.0
11°	1286.0	1279.8	1272.3	1269.8	1271.0
12°	1276.0	1268.5	1261.1	1259.8	1262.3
13°	1263.6	1256.1	1248.6	1248.6	1251.1
14°	1252.3	1243.6	1236.1	1236.1	1239.9
15°	1239.9	1231.1	1222.4	1222.4	1224.9
17.5°	1202.4	1195.0	1186.2	1186.2	1187.5
20°	1155.0	1151.3	1143.8	1140.1	1141.3
22.5°	1095.2	1095.2	1091.4	1085.2	1082.7
25°	1034.0	1039.0	1036.5	1026.6	1020.3
27.5°	970.4	979.2	980.4	965.4	954.2
30°	904.3	911.8	916.8	899.3	881.9
32.5°	807.0	829.5	842.0	818.3	782.1
35°	699.8	709.7	733.4	702.3	672.3
37.5°	568.8	581.3	601.2	576.3	558.8
40°	376.7	426.6	439.1	426.6	386.7
42.5°	136.0	239.5	288.1	244.5	159.7
45°	5.0	56.1	168.4	72.3	17.5
47.5°	0.0	1.2	76.1	2.5	0.0
50°	0.0	0.0	16.2	0.0	0.0
52.5°	0.0	0.0	1.2	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)