

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: P1319460

Luminaire Tested: LDSQA3D17R709835DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

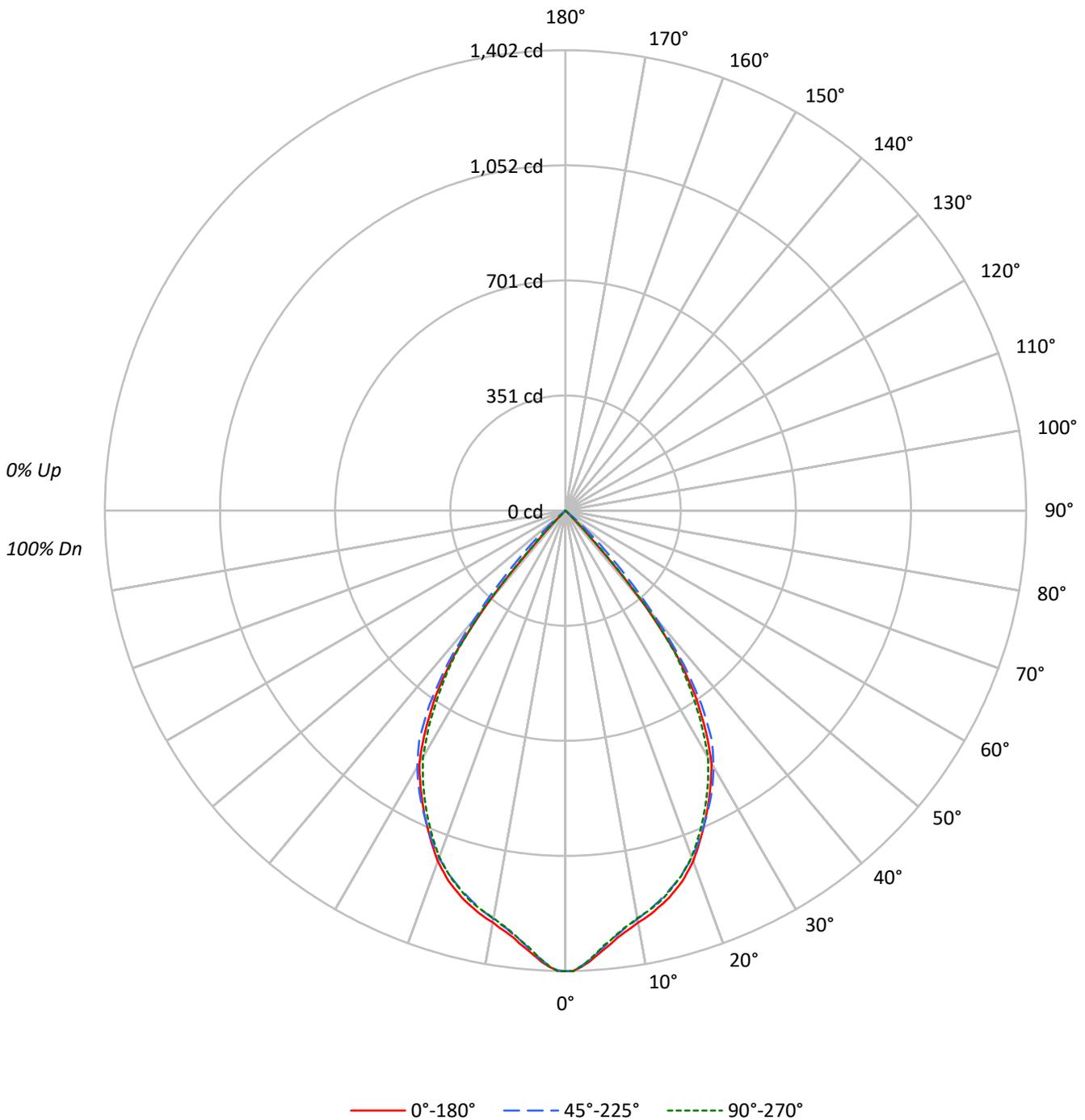
Test Method: LM-79-2019  
Report Number: P1319460  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R709835DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1451.0 lumens  
Efficiency: N/A  
Efficacy: 71.1 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): 20.4  
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

TEST NUMBER: P1319460  
CATALOG NUMBER: LDSQA3D17R709835DE010 3LSQCDR1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P1319460

CATALOG NUMBER: LDSQA3D17R709835DE010 3LSQCDR1MMS

**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	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°	241542	241542	241542
5°	231867	230588	229948
10°	222744	220803	220383
15°	217470	214403	214849
20°	208238	206222	205763
25°	193295	193770	190730
30°	176911	179357	172516
35°	144733	151692	139056
40°	83319	97100	85522
45°	1193	40358	4189
50°	0	4287	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: 40358 cd/sqm



TEST NUMBER: P1319460

CATALOG NUMBER: LDSQA3D17R709835DE010 3LSQCDR1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.1	8.6
10°-20°	339.1	23.4
20°-30°	465.8	32.1
30°-40°	422.3	29.1
40°-50°	98.2	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°	930.0	64.1
0°-40°	1352.3	93.2
0°-60°	1451.0	100.0
0°-90°	1451.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1451.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1402	1402	1402	1402	1402	
5°	1341	1338	1334	1331	1330	126
15°	1220	1211	1202	1202	1205	342
25°	1017	1022	1020	1010	1004	467
35°	688	698	722	691	661	414
45°	5	55	166	71	17	59
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



TEST NUMBER: P1319460  
 CATALOG NUMBER: LDSQA3D17R709835DE010 3LSQCDR1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1402.5	1402.5	1402.5	1402.5	1402.5
1°	1401.3	1398.8	1400.1	1401.3	1402.5
2°	1390.2	1387.8	1387.8	1389.0	1389.0
3°	1376.7	1371.8	1371.8	1370.6	1370.6
4°	1358.3	1354.7	1352.2	1351.0	1351.0
5°	1341.2	1337.5	1333.8	1331.3	1330.1
6°	1326.4	1320.3	1315.4	1314.2	1315.4
7°	1309.3	1305.6	1300.7	1297.0	1298.2
8°	1297.0	1292.1	1285.9	1283.5	1283.5
9°	1285.9	1281.0	1274.9	1270.0	1272.4
10°	1273.7	1268.8	1262.6	1259.0	1260.2
11°	1265.1	1259.0	1251.6	1249.1	1250.4
12°	1255.3	1247.9	1240.5	1239.3	1241.8
13°	1243.0	1235.6	1228.3	1228.3	1230.7
14°	1232.0	1223.4	1216.0	1216.0	1219.7
15°	1219.7	1211.1	1202.5	1202.5	1205.0
17.5°	1182.9	1175.5	1166.9	1166.9	1168.2
20°	1136.2	1132.6	1125.2	1121.5	1122.7
22.5°	1077.3	1077.3	1073.7	1067.5	1065.1
25°	1017.2	1022.1	1019.7	1009.9	1003.7
27.5°	954.6	963.2	964.5	949.7	938.7
30°	889.6	897.0	901.9	884.7	867.5
32.5°	793.9	816.0	828.3	804.9	769.4
35°	688.4	698.2	721.5	690.8	661.4
37.5°	559.5	571.8	591.4	566.9	549.7
40°	370.6	419.7	431.9	419.7	380.4
42.5°	133.7	235.6	283.4	240.5	157.1
45°	4.9	55.2	165.7	71.2	17.2
47.5°	0.0	1.2	74.8	2.5	0.0
50°	0.0	0.0	16.0	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



TEST NUMBER: P1319460  
CATALOG NUMBER: LDSQA3D17R709835DE010 3LSQCDR1MMS

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)