

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: P1318584

Luminaire Tested: LDSQA3D17R709830DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318584
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: LDSQA3D17R709830DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

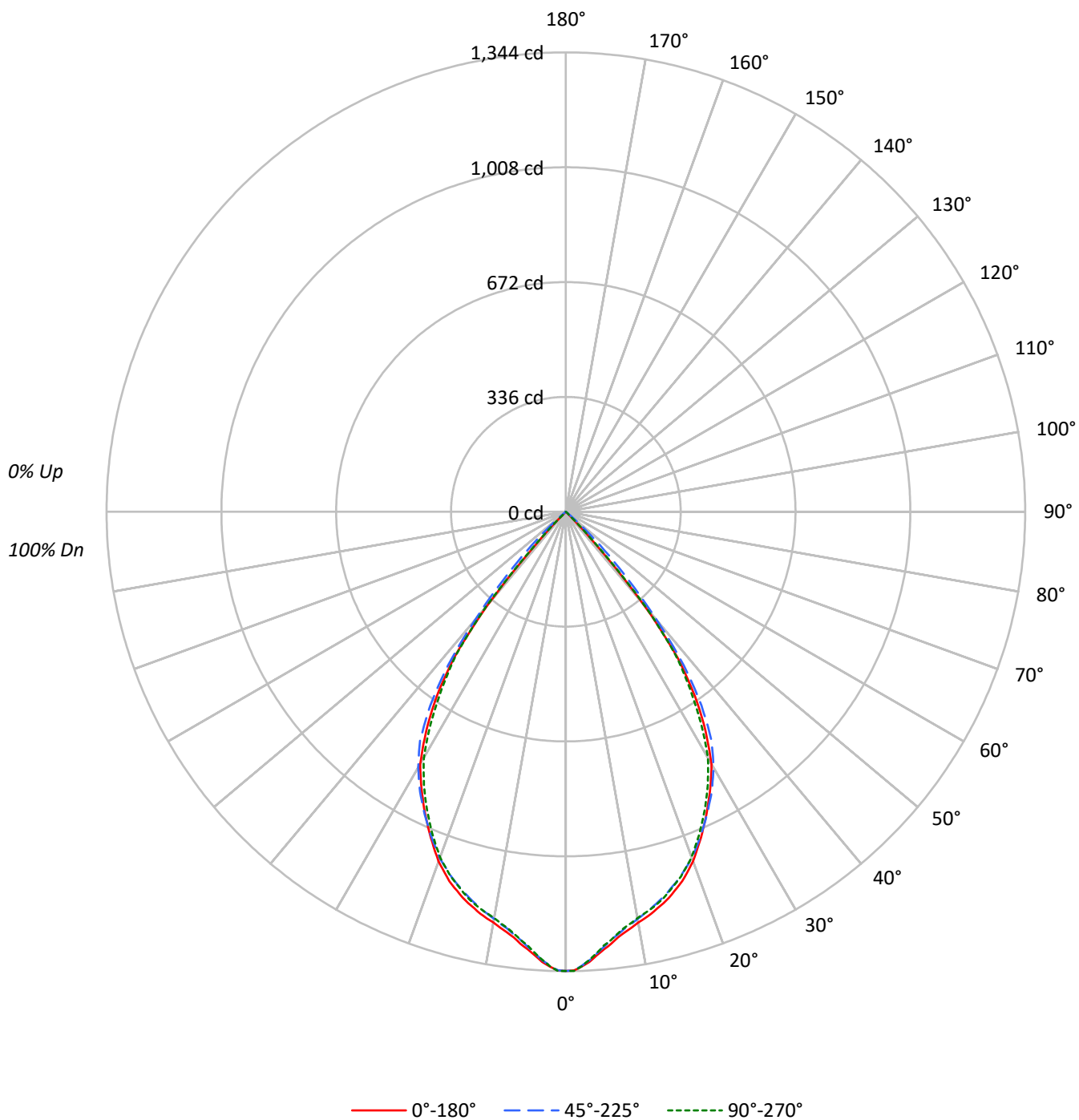
Lumens per Lamp: N/A
Luminaire Lumens: 1390.0 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1318584

CATALOG NUMBER: LDSQA3D17R709830DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1318584

CATALOG NUMBER: LDSQA3D17R709830DE010 3LSQCDR1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	231398	231398	231398
5°	222117	220889	220284
10°	213370	211534	211114
15°	208323	205399	205809
20°	199495	197553	197113
25°	185181	185618	182711
30°	169473	171820	165277
35°	138636	145321	133211
40°	79811	93031	81925
45°	1145	38653	4019
50°	0	4099	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: 38653 cd/sqm

TEST NUMBER: P1318584

CATALOG NUMBER: LDSQA3D17R709830DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.9	8.6
10°-20°	324.8	23.4
20°-30°	446.2	32.1
30°-40°	404.6	29.1
40°-50°	94.0	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°	890.9	64.1
0°-40°	1295.5	93.2
0°-60°	1390.0	100.0
0°-90°	1390.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1390.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1344	1344	1344	1344	1344	
5°	1285	1281	1278	1275	1274	121
15°	1168	1160	1152	1152	1154	328
25°	974	979	977	967	962	447
35°	659	669	691	662	634	396
45°	5	53	159	68	16	57
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	

TEST NUMBER: P1318584

CATALOG NUMBER: LDSQA3D17R709830DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1343.6	1343.6	1343.6	1343.6	1343.6
1°	1342.4	1340.0	1341.2	1342.4	1343.6
2°	1331.8	1329.4	1329.4	1330.6	1330.6
3°	1318.9	1314.2	1314.2	1313.0	1313.0
4°	1301.2	1297.7	1295.4	1294.2	1294.2
5°	1284.8	1281.3	1277.7	1275.4	1274.2
6°	1270.7	1264.8	1260.1	1258.9	1260.1
7°	1254.2	1250.7	1246.0	1242.5	1243.6
8°	1242.5	1237.8	1231.9	1229.5	1229.5
9°	1231.9	1227.2	1221.3	1216.6	1219.0
10°	1220.1	1215.4	1209.6	1206.0	1207.2
11°	1211.9	1206.0	1199.0	1196.6	1197.8
12°	1202.5	1195.4	1188.4	1187.2	1189.6
13°	1190.7	1183.7	1176.6	1176.6	1179.0
14°	1180.2	1171.9	1164.9	1164.9	1168.4
15°	1168.4	1160.2	1152.0	1152.0	1154.3
17.5°	1133.1	1126.1	1117.9	1117.9	1119.0
20°	1088.5	1085.0	1077.9	1074.4	1075.5
22.5°	1032.1	1032.1	1028.5	1022.7	1020.3
25°	974.5	979.2	976.8	967.4	961.5
27.5°	914.5	922.7	923.9	909.8	899.2
30°	852.2	859.3	864.0	847.5	831.1
32.5°	760.5	781.7	793.4	771.1	737.0
35°	659.4	668.8	691.2	661.8	633.6
37.5°	536.0	547.8	566.6	543.1	526.6
40°	355.0	402.0	413.8	402.0	364.4
42.5°	128.1	225.7	271.5	230.4	150.5
45°	4.7	52.9	158.7	68.2	16.5
47.5°	0.0	1.2	71.7	2.4	0.0
50°	0.0	0.0	15.3	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: P1318584

CATALOG NUMBER: LDSQA3D17R709830DE010 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)