

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: P1311720

Luminaire Tested: LDSQA3D17R709040DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311720
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: LDSQA3D17R709040DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

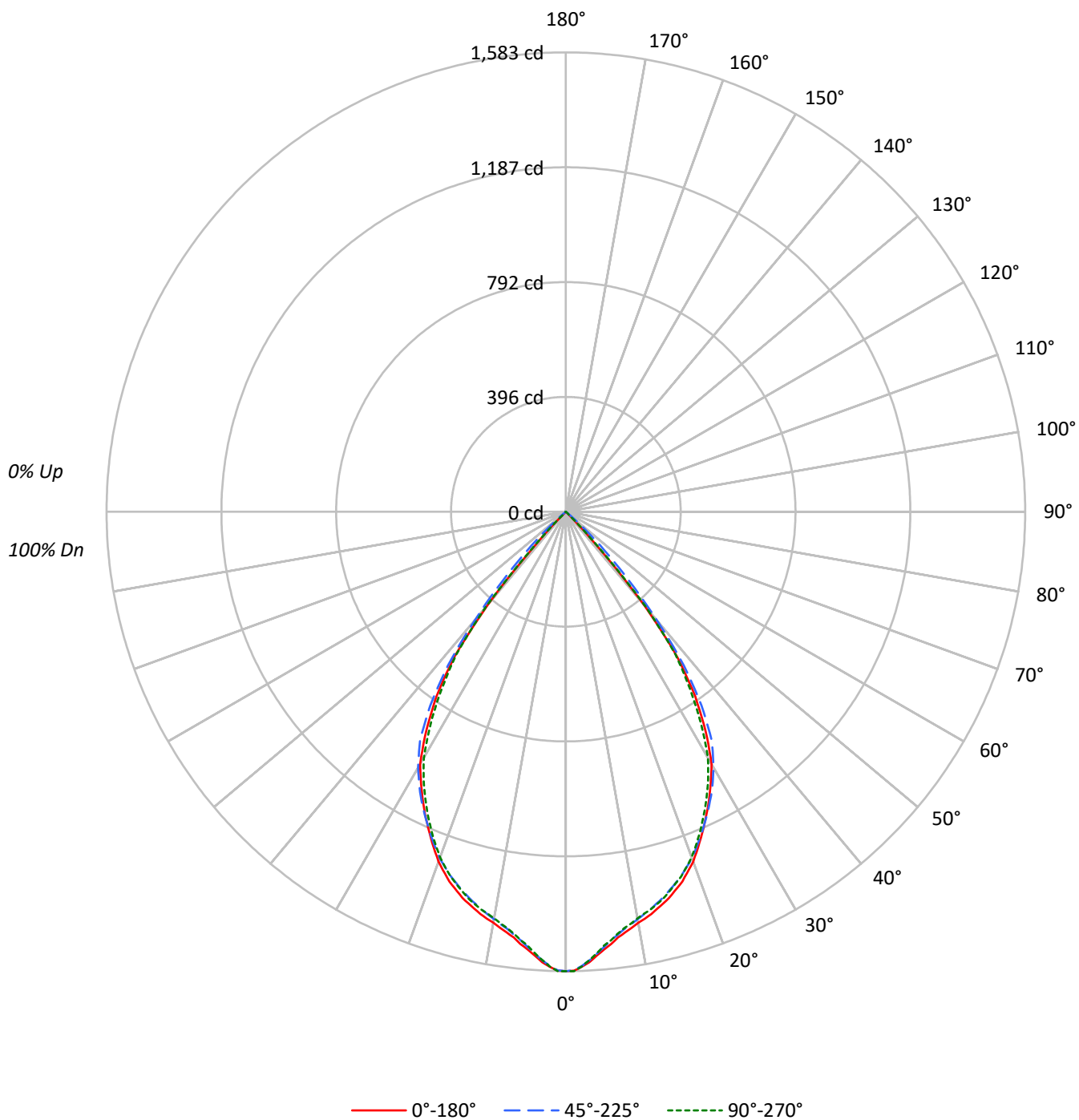
Lumens per Lamp: N/A
Luminaire Lumens: 1638.0 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1311720

CATALOG NUMBER: LDSQA3D17R709040DE010 3LSQCDR1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1311720

CATALOG NUMBER: LDSQA3D17R709040DE010 3LSQCDR1MB

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86		
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80		
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74		
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68		
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63		
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59		
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55		
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51		
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	272680	272680	272680
5°	261741	260306	259580
10°	251442	249273	248784
15°	245499	242040	242539
20°	235087	232797	232283
25°	218208	218740	215319
30°	199721	202465	194749
35°	163381	171245	156969
40°	94042	109623	96538
45°	1340	45546	4725
50°	0	4823	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: 45546 cd/sqm

TEST NUMBER: P1311720

CATALOG NUMBER: LDSQA3D17R709040DE010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.3	8.6
10°-20°	382.8	23.4
20°-30°	525.8	32.1
30°-40°	476.8	29.1
40°-50°	110.8	6.8
50°-60°	0.6	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°	1049.9	64.1
0°-40°	1526.6	93.2
0°-60°	1638.0	100.0
0°-90°	1638.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1638.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1583	1583	1583	1583	1583	
5°	1514	1510	1506	1503	1502	142
15°	1377	1367	1358	1358	1360	386
25°	1148	1154	1151	1140	1133	527
35°	777	788	814	780	747	467
45°	6	62	187	80	19	67
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: P1311720

CATALOG NUMBER: LDSQA3D17R709040DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1583.3	1583.3	1583.3	1583.3	1583.3
1°	1581.9	1579.1	1580.5	1581.9	1583.3
2°	1569.4	1566.6	1566.6	1568.0	1568.0
3°	1554.2	1548.6	1548.6	1547.3	1547.3
4°	1533.4	1529.2	1526.5	1525.1	1525.1
5°	1514.0	1509.9	1505.7	1502.9	1501.5
6°	1497.4	1490.5	1484.9	1483.5	1484.9
7°	1478.0	1473.8	1468.3	1464.1	1465.5
8°	1464.1	1458.6	1451.7	1448.9	1448.9
9°	1451.7	1446.1	1439.2	1433.7	1436.4
10°	1437.8	1432.3	1425.4	1421.2	1422.6
11°	1428.1	1421.2	1412.9	1410.1	1411.5
12°	1417.0	1408.7	1400.4	1399.0	1401.8
13°	1403.2	1394.9	1386.6	1386.6	1389.3
14°	1390.7	1381.0	1372.7	1372.7	1376.9
15°	1376.9	1367.2	1357.5	1357.5	1360.3
17.5°	1335.3	1327.0	1317.3	1317.3	1318.7
20°	1282.7	1278.5	1270.2	1266.1	1267.4
22.5°	1216.2	1216.2	1212.0	1205.1	1202.3
25°	1148.3	1153.9	1151.1	1140.0	1133.1
27.5°	1077.7	1087.4	1088.8	1072.1	1059.7
30°	1004.3	1012.6	1018.1	998.7	979.3
32.5°	896.2	921.1	935.0	908.7	868.5
35°	777.1	788.2	814.5	779.9	746.6
37.5°	631.6	645.5	667.7	640.0	620.6
40°	418.3	473.7	487.6	473.7	429.4
42.5°	151.0	266.0	320.0	271.5	177.3
45°	5.5	62.3	187.0	80.3	19.4
47.5°	0.0	1.4	84.5	2.8	0.0
50°	0.0	0.0	18.0	0.0	0.0
52.5°	0.0	0.0	1.4	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: P1311720

CATALOG NUMBER: LDSQA3D17R709040DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)