

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: P1316005

Luminaire Tested: LDSQA3D20R709735D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316005
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: LDSQA3D20R709735D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

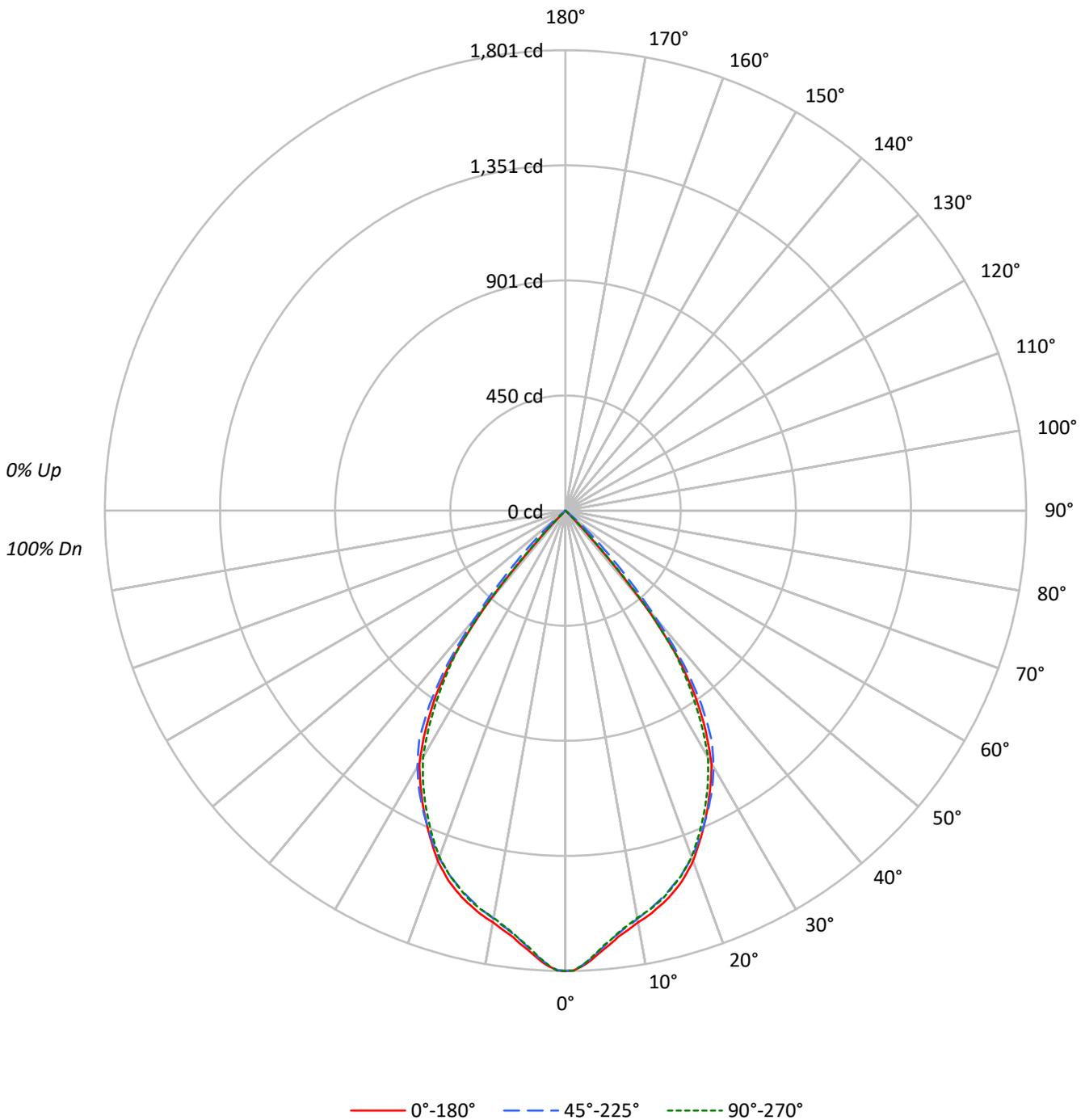
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1863.0 lumens
Efficiency: N/A
Efficacy: 64.7 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): 28.8
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: P1316005
CATALOG NUMBER: LDSQA3D20R709735D010 3LSQCDR1MB

Luminous Intensity Polar Plot





TEST NUMBER: P1316005

CATALOG NUMBER: LDSQA3D20R709735D010 3LSQCDR1MB

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°	310139	310139	310139
5°	297700	296058	295245
10°	285980	283497	282955
15°	279215	275292	275845
20°	267381	264778	264192
25°	248194	248783	244887
30°	227144	230286	221516
35°	185815	194771	178540
40°	106970	124686	109802
45°	1534	51805	5383
50°	0	5493	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: 51805 cd/sqm



TEST NUMBER: P1316005

CATALOG NUMBER: LDSQA3D20R709735D010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.7	8.6
10°-20°	435.3	23.4
20°-30°	598.1	32.1
30°-40°	542.3	29.1
40°-50°	126.0	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°	1194.1	64.1
0°-40°	1736.3	93.2
0°-60°	1863.0	100.0
0°-90°	1863.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1863.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1801	1801	1801	1801	1801	
5°	1722	1717	1712	1709	1708	162
15°	1566	1555	1544	1544	1547	439
25°	1306	1312	1309	1297	1289	599
35°	884	896	926	887	849	531
45°	6	71	213	91	22	76
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: P1316005
 CATALOG NUMBER: LDSQA3D20R709735D010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1800.8	1800.8	1800.8	1800.8	1800.8
1°	1799.2	1796.0	1797.6	1799.2	1800.8
2°	1785.0	1781.8	1781.8	1783.4	1783.4
3°	1767.7	1761.4	1761.4	1759.8	1759.8
4°	1744.0	1739.3	1736.2	1734.6	1734.6
5°	1722.0	1717.3	1712.5	1709.4	1707.8
6°	1703.1	1695.2	1688.9	1687.3	1688.9
7°	1681.0	1676.3	1670.0	1665.3	1666.8
8°	1665.3	1659.0	1651.1	1647.9	1647.9
9°	1651.1	1644.8	1636.9	1630.6	1633.8
10°	1635.3	1629.0	1621.1	1616.4	1618.0
11°	1624.3	1616.4	1607.0	1603.8	1605.4
12°	1611.7	1602.2	1592.8	1591.2	1594.4
13°	1595.9	1586.5	1577.0	1577.0	1580.2
14°	1581.8	1570.7	1561.3	1561.3	1566.0
15°	1566.0	1555.0	1544.0	1544.0	1547.1
17.5°	1518.7	1509.3	1498.3	1498.3	1499.8
20°	1458.9	1454.1	1444.7	1440.0	1441.5
22.5°	1383.3	1383.3	1378.5	1370.6	1367.5
25°	1306.1	1312.4	1309.2	1296.6	1288.7
27.5°	1225.7	1236.7	1238.3	1219.4	1205.2
30°	1142.2	1151.7	1158.0	1135.9	1113.9
32.5°	1019.3	1047.7	1063.4	1033.5	987.8
35°	883.8	896.4	926.4	887.0	849.2
37.5°	718.4	734.2	759.4	727.9	705.8
40°	475.8	538.8	554.6	538.8	488.4
42.5°	171.7	302.5	363.9	308.8	201.7
45°	6.3	70.9	212.7	91.4	22.1
47.5°	0.0	1.6	96.1	3.2	0.0
50°	0.0	0.0	20.5	0.0	0.0
52.5°	0.0	0.0	1.6	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: P1316005
CATALOG NUMBER: LDSQA3D20R709735D010 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)