

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: P1308955

Luminaire Tested: LDSQA3D05R409030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308955
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R409030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

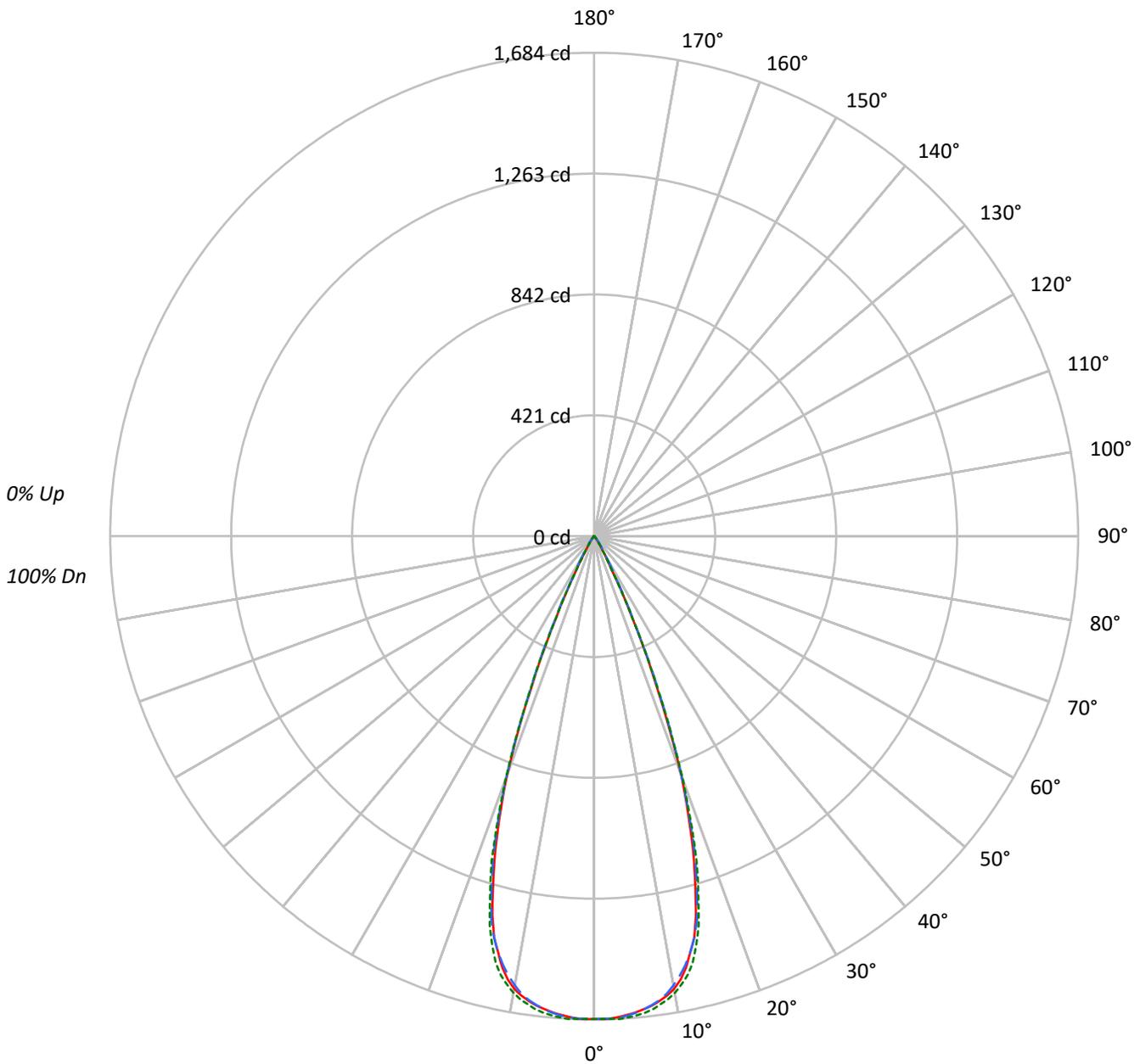
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 712.0 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (A_{in}): 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: P1308955
CATALOG NUMBER: LDSQA3D05R409030DE010 3LSQCDR1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1308955

CATALOG NUMBER: LDSQA3D05R409030DE010 3LSQCDR1MW

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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	289730	289730	289730
5°	287811	288244	289800
10°	280017	277918	282553
15°	243983	246479	250313
20°	162510	163335	164893
25°	59079	60885	59364
30°	12548	16824	12548
35°	4415	7464	4205
40°	1574	2361	1574
45°	365	974	365
50°	268	402	268
55°	300	300	300
60°	344	344	344
65°	204	408	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 974 cd/sqm



TEST NUMBER: P1308955

CATALOG NUMBER: LDSQA3D05R409030DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.2	22.1
10°-20°	366.3	51.5
20°-30°	164.9	23.2
30°-40°	18.8	2.6
40°-50°	2.7	0.4
50°-60°	0.9	0.1
60°-70°	0.8	0.1
70°-80°	0.5	0.1
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°	688.4	96.7
0°-40°	707.2	99.3
0°-60°	710.7	99.8
0°-90°	712.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	712.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1682	1682	1682	1682	1682	
5°	1665	1663	1667	1675	1676	157
15°	1368	1372	1382	1393	1404	363
25°	311	313	320	320	312	161
35°	21	24	36	22	20	16
45°	2	2	4	2	2	2
55°	1	1	1	1	1	1
65°	0	1	1	1	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1308955

CATALOG NUMBER: LDSQA3D05R409030DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1682.3	1682.3	1682.3	1682.3	1682.3
1°	1683.3	1681.8	1681.3	1684.3	1681.8
2°	1681.8	1680.8	1681.3	1684.3	1682.3
3°	1677.3	1677.8	1679.3	1684.8	1684.3
4°	1671.8	1671.3	1674.3	1681.3	1681.3
5°	1664.8	1662.8	1667.3	1674.8	1676.3
6°	1656.8	1654.3	1657.8	1667.3	1670.8
7°	1647.8	1642.8	1645.8	1657.3	1661.8
8°	1635.7	1629.2	1632.7	1644.3	1647.8
9°	1620.7	1610.7	1613.7	1627.7	1634.7
10°	1601.2	1588.7	1589.2	1604.7	1615.7
11°	1573.7	1559.6	1560.1	1579.7	1591.2
12°	1537.1	1524.6	1527.1	1545.1	1563.6
13°	1487.5	1484.0	1487.0	1506.6	1523.6
14°	1439.5	1436.0	1441.5	1459.5	1467.5
15°	1368.4	1371.9	1382.4	1393.4	1403.9
17.5°	1143.1	1156.6	1169.1	1176.6	1185.6
20°	886.7	871.2	891.2	882.2	899.7
22.5°	572.3	583.8	588.8	583.8	585.8
25°	310.9	312.9	320.4	320.4	312.4
27.5°	132.2	142.7	152.2	148.7	132.2
30°	63.1	72.6	84.6	73.1	63.1
32.5°	35.5	42.1	54.6	41.1	34.5
35°	21.0	23.5	35.5	22.5	20.0
37.5°	12.5	13.0	19.5	13.5	12.0
40°	7.0	8.5	10.5	8.5	7.0
42.5°	3.5	5.0	6.5	5.0	3.5
45°	1.5	2.5	4.0	2.5	1.5
47.5°	1.5	1.5	2.5	1.5	1.5
50°	1.0	1.0	1.5	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	0.5	1.0	1.0	1.0	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
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: P1308955
CATALOG NUMBER: LDSQA3D05R409030DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)