

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: P1310071

Luminaire Tested: LDSQA3D05R409035DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310071
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R409035DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

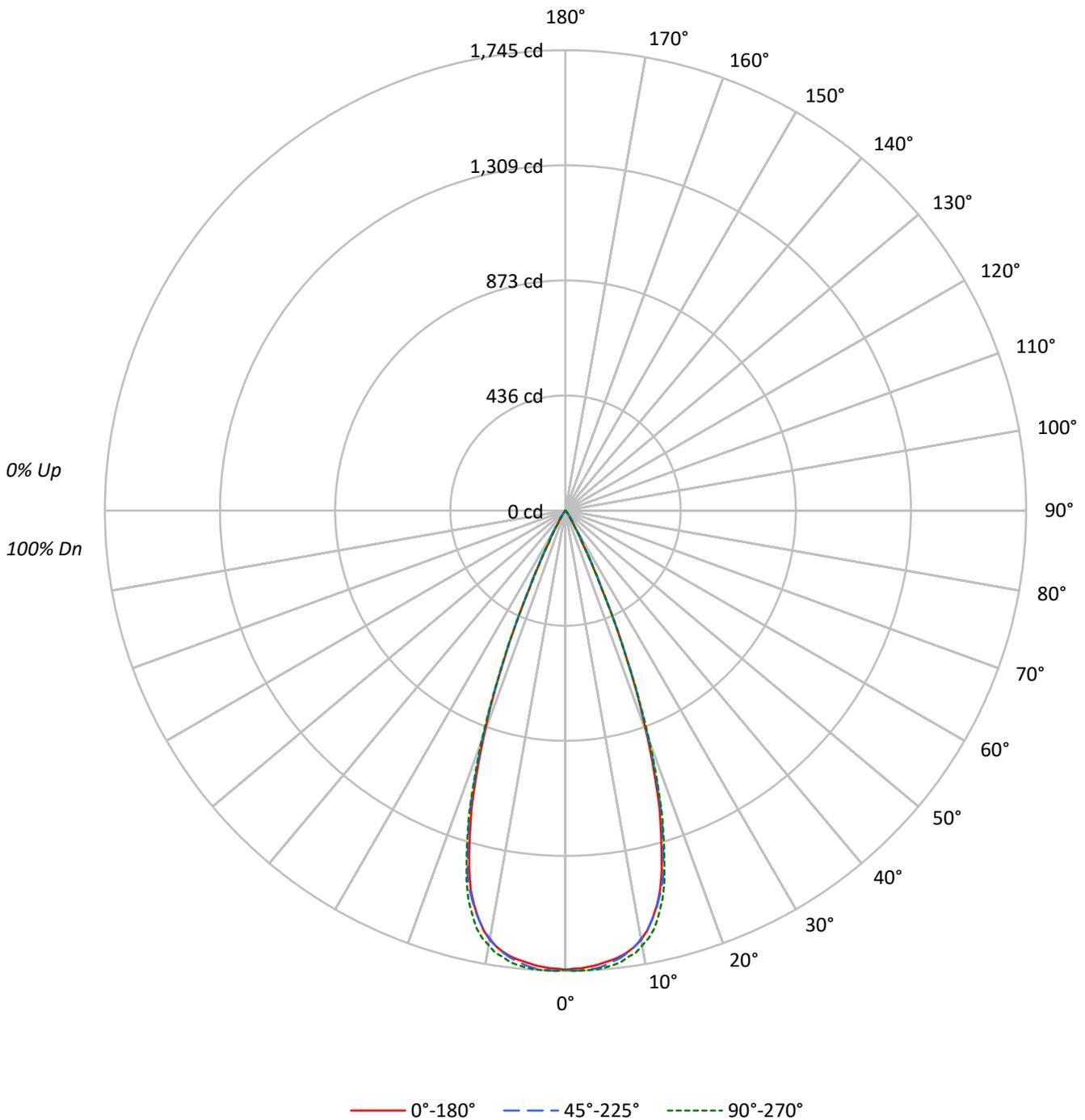
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 732.0 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 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 (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: P1310071
CATALOG NUMBER: LDSQA3D05R409035DE010 3LSQCDR1MB

Luminous Intensity Polar Plot





TEST NUMBER: P1310071

CATALOG NUMBER: LDSQA3D05R409035DE010 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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	92	92	92	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	88	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	85	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	82	80	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	80	77	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	77	74	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	75	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	299788	299788	299788
5°	297199	299066	300484
10°	288726	288184	292696
15°	251186	255216	258354
20°	164856	168064	170245
25°	58775	62196	58471
30°	12807	17321	12906
35°	4121	7148	4016
40°	1281	2203	1169
45°	122	755	122
50°	0	134	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: 755 cd/sqm



TEST NUMBER: P1310071

CATALOG NUMBER: LDSQA3D05R409035DE010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.8	22.2
10°-20°	379.1	51.8
20°-30°	170.0	23.2
30°-40°	18.4	2.5
40°-50°	1.7	0.2
50°-60°	0.0	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°	711.9	97.3
0°-40°	730.3	99.8
0°-60°	732.0	100.0
0°-90°	732.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	732.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1741	1741	1741	1741	1741	
5°	1719	1724	1730	1732	1738	162
15°	1409	1419	1431	1440	1449	374
25°	309	319	327	333	308	165
35°	20	23	34	22	19	15
45°	0	1	3	1	0	1
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: P1310071
 CATALOG NUMBER: LDSQA3D05R409035DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1740.7	1740.7	1740.7	1740.7	1740.7
1°	1737.1	1740.7	1743.8	1741.2	1744.8
2°	1735.6	1739.7	1744.3	1741.7	1744.8
3°	1731.4	1736.6	1741.7	1740.2	1743.3
4°	1725.8	1729.9	1737.6	1737.6	1742.3
5°	1719.1	1723.7	1729.9	1732.5	1738.1
6°	1711.8	1714.4	1719.1	1724.2	1732.0
7°	1702.6	1702.6	1708.2	1713.4	1723.7
8°	1689.7	1688.7	1692.8	1699.5	1708.8
9°	1673.7	1670.1	1673.2	1683.0	1696.9
10°	1651.0	1647.9	1647.9	1660.3	1673.7
11°	1621.6	1620.6	1621.1	1633.0	1651.0
12°	1582.0	1583.0	1583.0	1596.4	1618.6
13°	1537.1	1536.6	1541.2	1556.2	1571.1
14°	1482.5	1485.6	1490.2	1503.6	1519.1
15°	1408.8	1419.1	1431.4	1439.7	1449.0
17.5°	1184.5	1194.8	1211.9	1218.6	1220.6
20°	899.5	914.4	917.0	930.4	928.9
22.5°	603.1	602.1	604.1	605.7	606.2
25°	309.3	318.6	327.3	333.0	307.7
27.5°	134.5	150.5	161.9	146.9	136.1
30°	64.4	73.2	87.1	73.7	64.9
32.5°	35.1	40.7	55.2	40.2	34.5
35°	19.6	22.7	34.0	22.2	19.1
37.5°	11.3	12.4	18.6	12.4	10.8
40°	5.7	7.2	9.8	7.2	5.2
42.5°	2.1	3.6	5.2	3.6	2.1
45°	0.5	1.0	3.1	1.0	0.5
47.5°	0.0	0.0	1.5	0.0	0.0
50°	0.0	0.0	0.5	0.0	0.0
52.5°	0.0	0.0	0.0	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: P1310071
CATALOG NUMBER: LDSQA3D05R409035DE010 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)