

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: P1307837

Luminaire Tested: LDSQA3D05R409027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307837
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: LDSQA3D05R409027DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

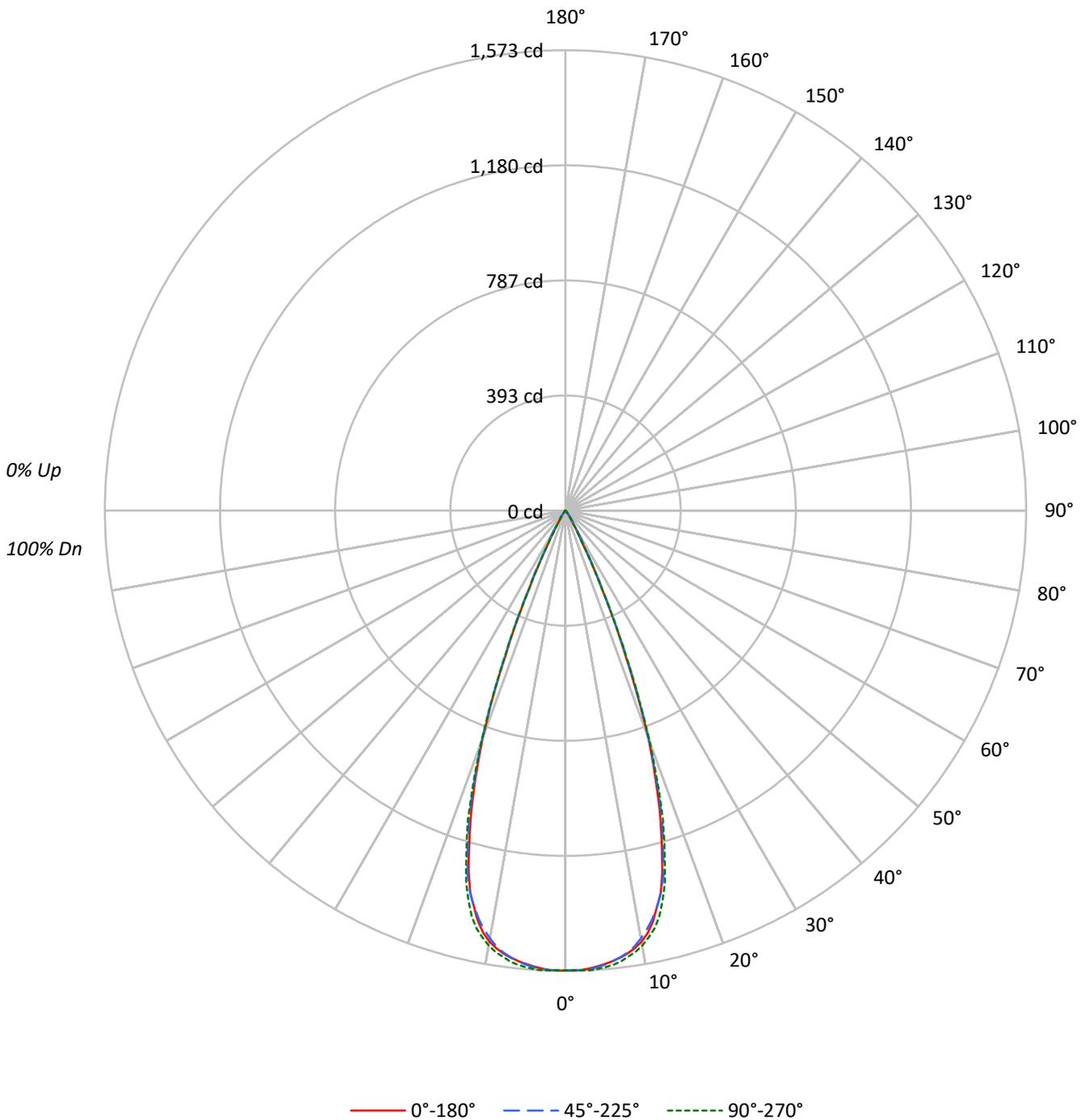
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 665.0 lumens
Efficiency: N/A
Efficacy: 92.4 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: P1307837
CATALOG NUMBER: LDSQA3D05R409027DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1307837

CATALOG NUMBER: LDSQA3D05R409027DE010 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	270613	270613	270613
5°	268812	269210	270662
10°	261532	259574	263911
15°	227865	230201	233802
20°	151789	152559	154006
25°	55184	56875	55450
30°	11713	15710	11713
35°	4121	6980	3932
40°	1461	2203	1461
45°	341	901	341
50°	241	375	241
55°	270	270	270
60°	310	310	310
65°	204	367	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: 901 cd/sqm



TEST NUMBER: P1307837

CATALOG NUMBER: LDSQA3D05R409027DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.8	22.1
10°-20°	342.2	51.5
20°-30°	154.0	23.2
30°-40°	17.5	2.6
40°-50°	2.5	0.4
50°-60°	0.8	0.1
60°-70°	0.7	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°	643.0	96.7
0°-40°	660.5	99.3
0°-60°	663.8	99.8
0°-90°	665.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	665.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1571	1571	1571	1571	1571	
5°	1555	1553	1557	1564	1566	147
15°	1278	1281	1291	1301	1311	339
25°	290	292	299	299	292	150
35°	20	22	33	21	19	15
45°	1	2	4	2	1	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: P1307837

CATALOG NUMBER: LDSQA3D05R409027DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1571.3	1571.3	1571.3	1571.3	1571.3
1°	1572.2	1570.8	1570.3	1573.1	1570.8
2°	1570.8	1569.9	1570.3	1573.1	1571.3
3°	1566.6	1567.0	1568.5	1573.6	1573.1
4°	1561.4	1561.0	1563.8	1570.3	1570.3
5°	1554.9	1553.0	1557.2	1564.2	1565.6
6°	1547.4	1545.1	1548.3	1557.2	1560.5
7°	1539.0	1534.3	1537.1	1547.9	1552.1
8°	1527.8	1521.7	1525.0	1535.7	1539.0
9°	1513.7	1504.4	1507.2	1520.3	1526.8
10°	1495.5	1483.8	1484.3	1498.8	1509.1
11°	1469.8	1456.7	1457.2	1475.4	1486.1
12°	1435.6	1424.0	1426.3	1443.1	1460.4
13°	1389.3	1386.1	1388.9	1407.1	1423.0
14°	1344.5	1341.2	1346.3	1363.2	1370.6
15°	1278.0	1281.3	1291.1	1301.4	1311.3
17.5°	1067.6	1080.2	1091.9	1098.9	1107.4
20°	828.2	813.7	832.4	824.0	840.3
22.5°	534.5	545.3	549.9	545.3	547.1
25°	290.4	292.3	299.3	299.3	291.8
27.5°	123.5	133.3	142.2	138.9	123.5
30°	58.9	67.8	79.0	68.3	58.9
32.5°	33.2	39.3	51.0	38.3	32.3
35°	19.6	22.0	33.2	21.0	18.7
37.5°	11.7	12.2	18.2	12.6	11.2
40°	6.5	7.9	9.8	7.9	6.5
42.5°	3.3	4.7	6.1	4.7	3.3
45°	1.4	2.3	3.7	2.3	1.4
47.5°	1.4	1.4	2.3	1.4	1.4
50°	0.9	0.9	1.4	0.9	0.9
52.5°	0.9	0.9	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.9	0.9	0.9	0.9	0.9
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.5	0.9	0.9	0.9	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: P1307837
CATALOG NUMBER: LDSQA3D05R409027DE010 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)