

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: P1306865

Luminaire Tested: LDSQA3D05R409024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306865
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: LDSQA3D05R409024DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

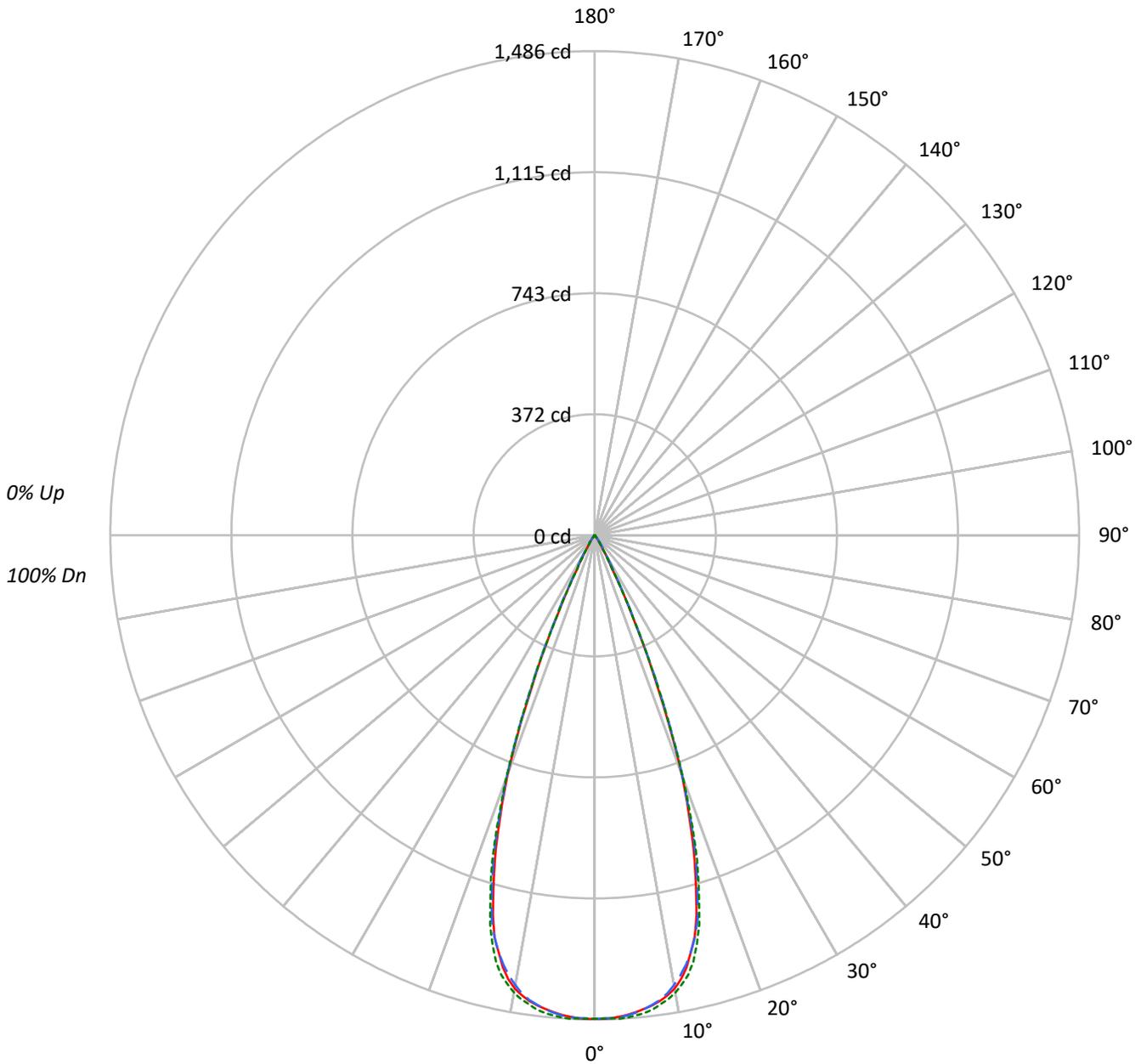
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 628.0 lumens
Efficiency: N/A
Efficacy: 87.2 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: P1306865
CATALOG NUMBER: LDSQA3D05R409024DE010 3LSQCDR1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270°



TEST NUMBER: P1306865
 CATALOG NUMBER: LDSQA3D05R409024DE010 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	100		
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92		
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88		
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	85		
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82		
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	79		
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76		
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	73		
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	71		
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	68		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	255544	255544	255544
5°	253858	254238	255604
10°	246982	245129	249221
15°	215188	217399	220786
20°	143340	144073	145447
25°	52105	53702	52371
30°	11057	14835	11057
35°	3890	6602	3721
40°	1394	2091	1394
45°	317	852	317
50°	241	348	241
55°	270	270	270
60°	310	310	310
65°	163	367	163
70°	201	201	201
75°	266	266	266
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 852 cd/sqm



TEST NUMBER: P1306865

CATALOG NUMBER: LDSQA3D05R409024DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.7	22.1
10°-20°	323.1	51.5
20°-30°	145.4	23.2
30°-40°	16.6	2.6
40°-50°	2.4	0.4
50°-60°	0.8	0.1
60°-70°	0.7	0.1
70°-80°	0.4	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°	607.2	96.7
0°-40°	623.7	99.3
0°-60°	626.9	99.8
0°-90°	628.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	628.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1484	1484	1484	1484	1484	
5°	1468	1467	1471	1477	1478	139
15°	1207	1210	1219	1229	1238	321
25°	274	276	283	283	276	142
35°	18	21	31	20	18	14
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: P1306865

CATALOG NUMBER: LDSQA3D05R409024DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1483.8	1483.8	1483.8	1483.8	1483.8
1°	1484.7	1483.4	1483.0	1485.6	1483.4
2°	1483.4	1482.5	1483.0	1485.6	1483.8
3°	1479.4	1479.9	1481.2	1486.0	1485.6
4°	1474.6	1474.1	1476.8	1483.0	1483.0
5°	1468.4	1466.6	1470.6	1477.2	1478.5
6°	1461.3	1459.1	1462.2	1470.6	1473.7
7°	1453.4	1448.9	1451.6	1461.8	1465.7
8°	1442.8	1437.0	1440.1	1450.3	1453.4
9°	1429.5	1420.7	1423.3	1435.7	1441.9
10°	1412.3	1401.3	1401.7	1415.4	1425.1
11°	1388.0	1375.6	1376.1	1393.3	1403.5
12°	1355.8	1344.7	1346.9	1362.8	1379.2
13°	1312.0	1309.0	1311.6	1328.8	1343.8
14°	1269.6	1266.6	1271.4	1287.3	1294.4
15°	1206.9	1210.0	1219.3	1229.0	1238.3
17.5°	1008.2	1020.1	1031.2	1037.8	1045.7
20°	782.1	768.4	786.1	778.1	793.6
22.5°	504.8	514.9	519.3	514.9	516.7
25°	274.2	276.0	282.6	282.6	275.6
27.5°	116.6	125.9	134.3	131.2	116.6
30°	55.6	64.0	74.6	64.5	55.6
32.5°	31.4	37.1	48.1	36.2	30.5
35°	18.5	20.8	31.4	19.9	17.7
37.5°	11.0	11.5	17.2	11.9	10.6
40°	6.2	7.5	9.3	7.5	6.2
42.5°	3.1	4.4	5.7	4.4	3.1
45°	1.3	2.2	3.5	2.2	1.3
47.5°	1.3	1.3	2.2	1.3	1.3
50°	0.9	0.9	1.3	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°	0.4	0.9	0.9	0.9	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
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: P1306865
CATALOG NUMBER: LDSQA3D05R409024DE010 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)