

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: P1307835

Luminaire Tested: LDSQA3D05R409027DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

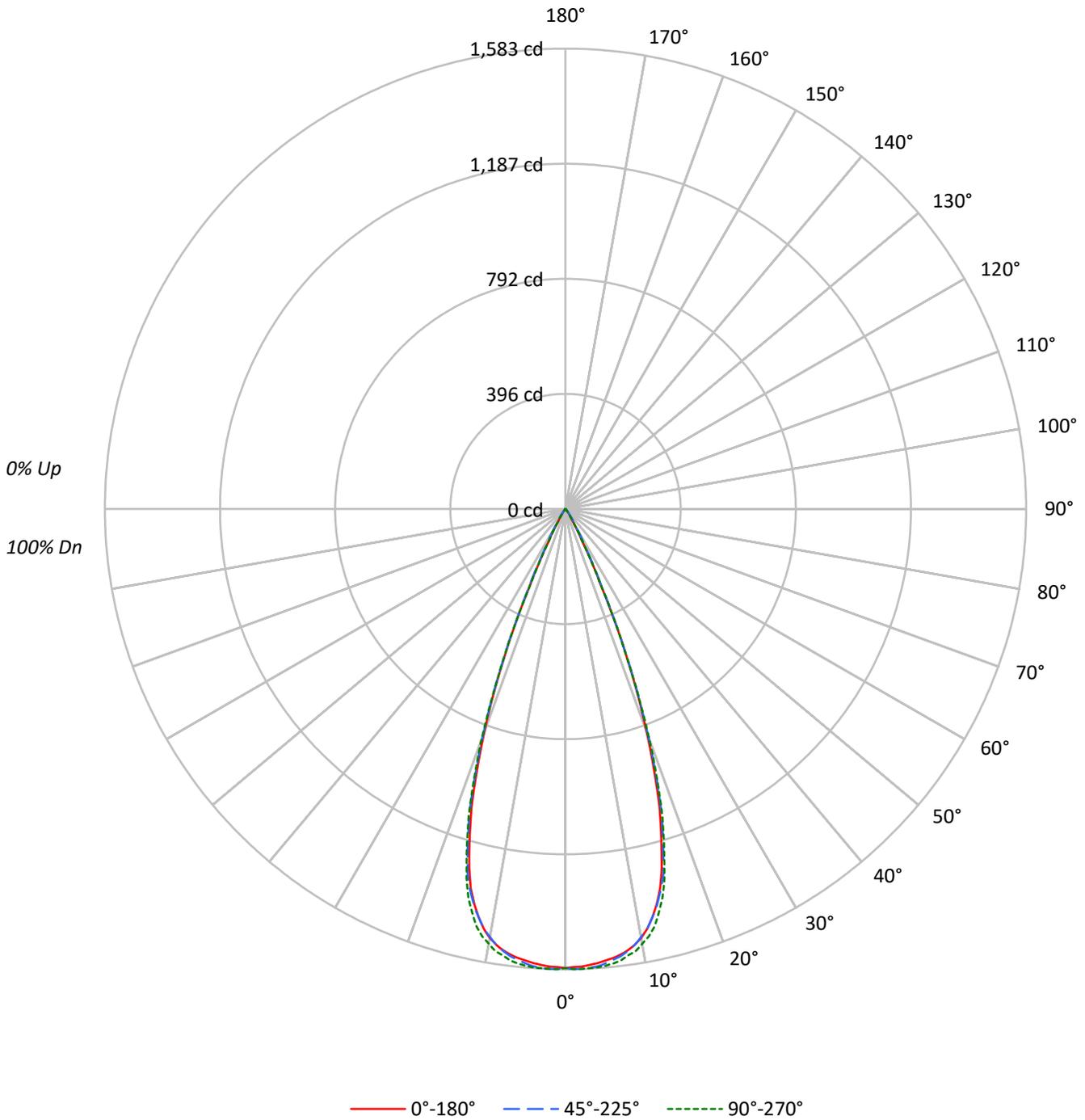
Test Method: LM-79-2019  
Report Number: P1307835  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R409027DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 664.0 lumens  
Efficiency: N/A  
Efficacy: 92.2 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: P1307835  
CATALOG NUMBER: LDSQA3D05R409027DE010 3LSQCDR1MB

### Luminous Intensity Polar Plot





TEST NUMBER: P1307835

CATALOG NUMBER: LDSQA3D05R409027DE010 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°	271940	271940	271940
5°	269590	271284	272581
10°	261917	261410	265502
15°	227847	231520	234355
20°	149534	152449	154428
25°	53302	56419	53036
30°	11614	15710	11713
35°	3742	6497	3637
40°	1147	2001	1057
45°	122	682	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: 682 cd/sqm



TEST NUMBER: P1307835  
 CATALOG NUMBER: LDSQA3D05R409027DE010 3LSQCDR1MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.7	22.2
10°-20°	343.9	51.8
20°-30°	154.2	23.2
30°-40°	16.7	2.5
40°-50°	1.5	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°	645.8	97.3
0°-40°	662.4	99.8
0°-60°	664.0	100.0
0°-90°	664.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	664.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1579	1579	1579	1579	1579	
5°	1559	1564	1569	1572	1577	147
15°	1278	1287	1298	1306	1314	340
25°	280	289	297	302	279	150
35°	18	21	31	20	17	14
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: P1307835  
 CATALOG NUMBER: LDSQA3D05R409027DE010 3LSQCDR1MB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1579.0	1579.0	1579.0	1579.0	1579.0
1°	1575.7	1579.0	1581.8	1579.5	1582.8
2°	1574.3	1578.1	1582.3	1579.9	1582.8
3°	1570.6	1575.3	1579.9	1578.5	1581.3
4°	1565.5	1569.2	1576.2	1576.2	1580.4
5°	1559.4	1563.6	1569.2	1571.5	1576.7
6°	1552.8	1555.2	1559.4	1564.0	1571.1
7°	1544.4	1544.4	1549.6	1554.2	1563.6
8°	1532.7	1531.8	1535.5	1541.6	1550.0
9°	1518.2	1515.0	1517.8	1526.6	1539.3
10°	1497.7	1494.8	1494.8	1506.1	1518.2
11°	1471.0	1470.1	1470.5	1481.3	1497.7
12°	1435.0	1435.9	1435.9	1448.1	1468.2
13°	1394.3	1393.8	1398.1	1411.6	1425.2
14°	1344.8	1347.6	1351.8	1363.9	1378.0
15°	1277.9	1287.2	1298.5	1305.9	1314.4
17.5°	1074.5	1083.8	1099.3	1105.4	1107.2
20°	815.9	829.5	831.8	844.0	842.6
22.5°	547.1	546.1	548.0	549.4	549.9
25°	280.5	289.0	296.9	302.1	279.1
27.5°	122.0	136.5	146.8	133.3	123.4
30°	58.4	66.4	79.0	66.9	58.9
32.5°	31.8	36.9	50.0	36.5	31.3
35°	17.8	20.6	30.9	20.1	17.3
37.5°	10.3	11.2	16.8	11.2	9.8
40°	5.1	6.5	8.9	6.5	4.7
42.5°	1.9	3.3	4.7	3.3	1.9
45°	0.5	0.9	2.8	0.9	0.5
47.5°	0.0	0.0	1.4	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: P1307835  
CATALOG NUMBER: LDSQA3D05R409027DE010 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)