

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: P1316301

Luminaire Tested: LDSQA3D05R409740DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

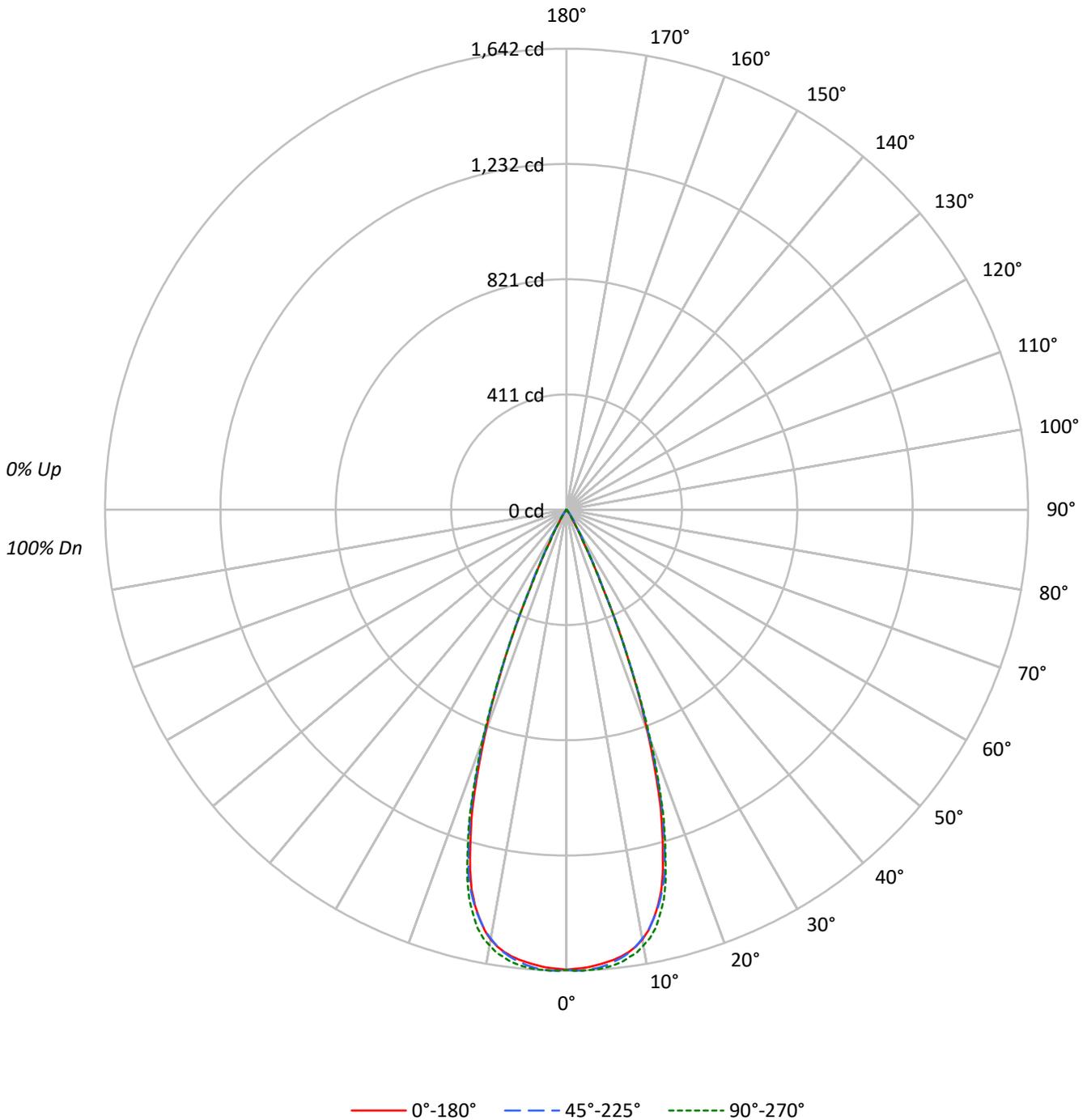
Test Method: LM-79-2019  
Report Number: P1316301  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R409740DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 689.0 lumens  
Efficiency: N/A  
Efficacy: 95.7 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: P1316301  
CATALOG NUMBER: LDSQA3D05R409740DE010 3LSQCDR1MMS

### Luminous Intensity Polar Plot





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**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	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	70	69

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	282187	282187	282187
5°	279738	281501	282833
10°	271763	271256	275505
15°	236423	240239	243163
20°	155161	158185	160238
25°	55317	58547	55051
30°	12051	16307	12151
35°	3869	6728	3784
40°	1192	2068	1102
45°	122	706	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: 706 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.2	22.2
10°-20°	356.8	51.8
20°-30°	160.0	23.2
30°-40°	17.3	2.5
40°-50°	1.6	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°	670.1	97.3
0°-40°	687.4	99.8
0°-60°	689.0	100.0
0°-90°	689.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	689.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1638	1638	1638	1638	1638	
5°	1618	1622	1628	1631	1636	153
15°	1326	1336	1347	1355	1364	352
25°	291	300	308	313	290	155
35°	18	21	32	21	18	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1638.5	1638.5	1638.5	1638.5	1638.5
1°	1635.1	1638.5	1641.4	1638.9	1642.3
2°	1633.6	1637.5	1641.9	1639.4	1642.3
3°	1629.7	1634.6	1639.4	1638.0	1640.9
4°	1624.4	1628.3	1635.5	1635.5	1639.9
5°	1618.1	1622.4	1628.3	1630.7	1636.0
6°	1611.3	1613.7	1618.1	1622.9	1630.2
7°	1602.6	1602.6	1607.9	1612.7	1622.4
8°	1590.4	1589.5	1593.3	1599.6	1608.4
9°	1575.4	1572.0	1574.9	1584.1	1597.2
10°	1554.0	1551.1	1551.1	1562.8	1575.4
11°	1526.4	1525.4	1525.9	1537.1	1554.0
12°	1489.0	1490.0	1490.0	1502.6	1523.5
13°	1446.8	1446.3	1450.7	1464.8	1478.8
14°	1395.4	1398.3	1402.7	1415.3	1429.8
15°	1326.0	1335.7	1347.4	1355.1	1363.8
17.5°	1114.9	1124.7	1140.7	1147.0	1148.9
20°	846.6	860.7	863.1	875.8	874.3
22.5°	567.7	566.7	568.6	570.1	570.6
25°	291.1	299.8	308.1	313.4	289.7
27.5°	126.6	141.7	152.3	138.3	128.1
30°	60.6	68.9	82.0	69.4	61.1
32.5°	33.0	38.3	51.9	37.8	32.5
35°	18.4	21.3	32.0	20.9	18.0
37.5°	10.7	11.6	17.5	11.6	10.2
40°	5.3	6.8	9.2	6.8	4.9
42.5°	1.9	3.4	4.9	3.4	1.9
45°	0.5	1.0	2.9	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



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)