

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: P1323646

Luminaire Tested: LDSQA3D05R409030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

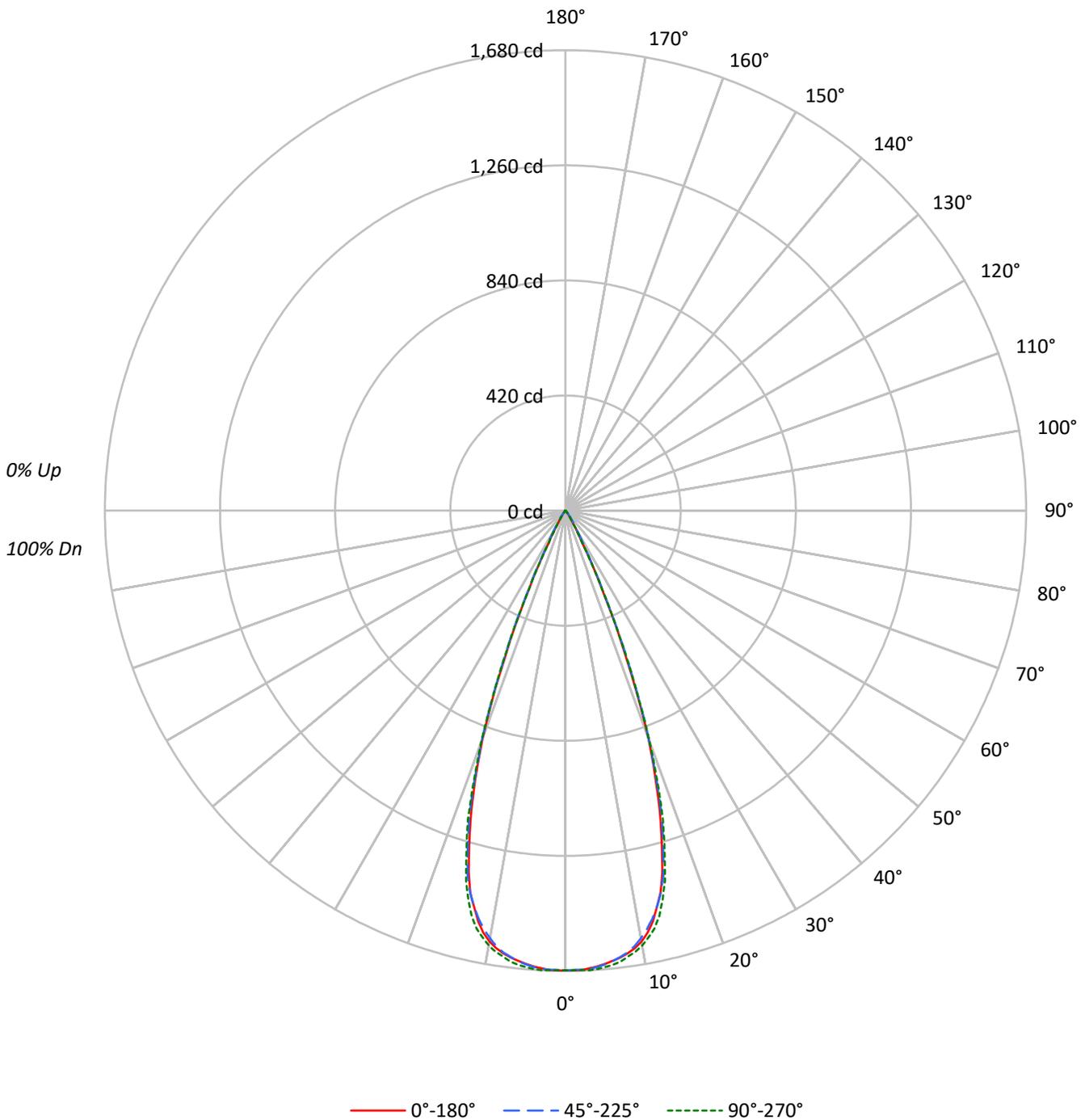
Test Method: LM-79-2019  
Report Number: P1323646  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R409030D2WDE010 3LSQCDR1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 710.0 lumens  
Efficiency: N/A  
Efficacy: 64.0 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): 11.1  
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

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

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

	0°	45°	90°
0°	288921	288921	288921
5°	286999	287431	288987
10°	279230	277131	281766
15°	243288	245784	249617
20°	162052	162877	164435
25°	58927	60714	59212
30°	12509	16784	12509
35°	4415	7443	4205
40°	1574	2361	1574
45°	365	974	365
50°	268	402	268
55°	300	300	300
60°	344	344	344
65°	204	408	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: 974 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.8	22.1
10°-20°	365.3	51.5
20°-30°	164.4	23.2
30°-40°	18.7	2.6
40°-50°	2.7	0.4
50°-60°	0.9	0.1
60°-70°	0.8	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°	686.5	96.7
0°-40°	705.2	99.3
0°-60°	708.8	99.8
0°-90°	710.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	710.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1678	1678	1678	1678	1678	
5°	1660	1658	1663	1670	1672	157
15°	1364	1368	1378	1390	1400	362
25°	310	312	320	320	312	161
35°	21	24	35	22	20	16
45°	2	2	4	2	2	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1677.6	1677.6	1677.6	1677.6	1677.6
1°	1678.6	1677.1	1676.6	1679.6	1677.1
2°	1677.1	1676.1	1676.6	1679.6	1677.6
3°	1672.6	1673.1	1674.6	1680.1	1679.6
4°	1667.1	1666.6	1669.6	1676.6	1676.6
5°	1660.1	1658.1	1662.6	1670.1	1671.6
6°	1652.1	1649.6	1653.1	1662.6	1666.1
7°	1643.1	1638.1	1641.1	1652.6	1657.1
8°	1631.2	1624.7	1628.2	1639.6	1643.1
9°	1616.2	1606.2	1609.2	1623.2	1630.2
10°	1596.7	1584.2	1584.7	1600.2	1611.2
11°	1569.2	1555.3	1555.8	1575.2	1586.7
12°	1532.8	1520.3	1522.8	1540.8	1559.3
13°	1483.4	1479.9	1482.9	1502.3	1519.3
14°	1435.4	1431.9	1437.4	1455.4	1463.4
15°	1364.5	1368.0	1378.5	1389.5	1400.0
17.5°	1139.9	1153.3	1165.8	1173.3	1182.3
20°	884.2	868.7	888.7	879.7	897.2
22.5°	570.7	582.2	587.2	582.2	584.2
25°	310.1	312.1	319.5	319.5	311.6
27.5°	131.8	142.3	151.8	148.3	131.8
30°	62.9	72.4	84.4	72.9	62.9
32.5°	35.4	41.9	54.4	40.9	34.5
35°	21.0	23.5	35.4	22.5	20.0
37.5°	12.5	13.0	19.5	13.5	12.0
40°	7.0	8.5	10.5	8.5	7.0
42.5°	3.5	5.0	6.5	5.0	3.5
45°	1.5	2.5	4.0	2.5	1.5
47.5°	1.5	1.5	2.5	1.5	1.5
50°	1.0	1.0	1.5	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	0.5	1.0	1.0	1.0	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



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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)