

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: P1312943

Luminaire Tested: LDSQA3D20R709050D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

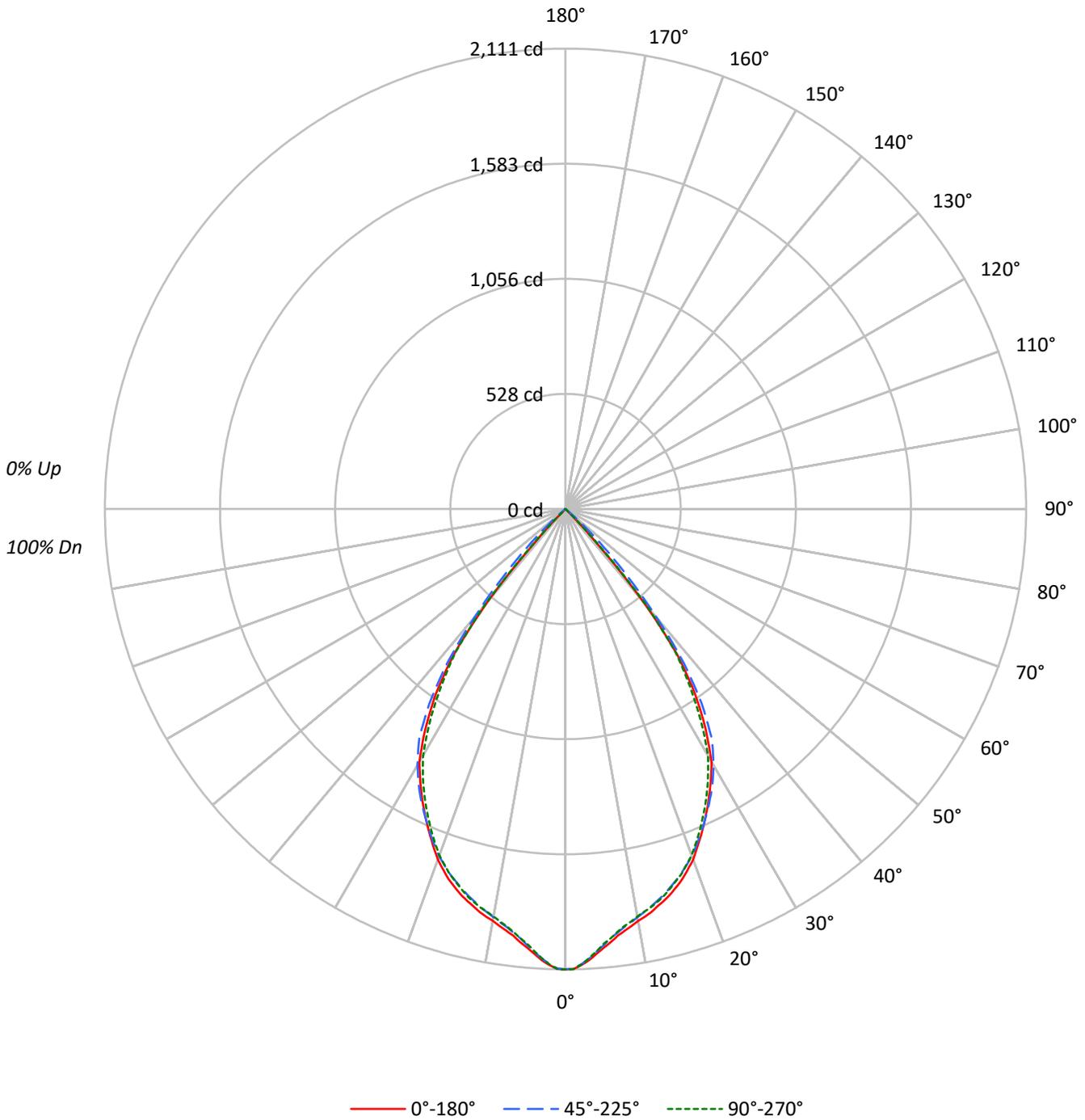
Test Method: LM-79-2019  
Report Number: P1312943  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R709050D010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2184.0 lumens  
Efficiency: N/A  
Efficacy: 75.8 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 28.8  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93	93	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86	86	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80	80	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74	74	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68	68	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63	63	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51	51	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48	48	48

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

	0°	45°	90°
0°	363562	363562	363562
5°	348994	347075	346124
10°	335261	332358	331711
15°	327319	322719	323379
20°	313438	310395	309717
25°	290950	291653	287092
30°	266281	269960	259679
35°	217835	228326	209299
40°	125405	146156	128710
45°	1802	60719	6308
50°	0	6430	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: 60719 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	188.4	8.6
10°-20°	510.4	23.4
20°-30°	701.1	32.1
30°-40°	635.7	29.1
40°-50°	147.7	6.8
50°-60°	0.7	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°	1399.8	64.1
0°-40°	2035.5	93.2
0°-60°	2184.0	100.0
0°-90°	2184.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2184.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2111	2111	2111	2111	2111	
5°	2019	2013	2008	2004	2002	189
15°	1836	1823	1810	1810	1814	515
25°	1531	1538	1535	1520	1511	702
35°	1036	1051	1086	1040	996	622
45°	7	83	249	107	26	89
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°	2111.0	2111.0	2111.0	2111.0	2111.0
1°	2109.2	2105.5	2107.3	2109.2	2111.0
2°	2092.6	2088.9	2088.9	2090.7	2090.7
3°	2072.2	2064.9	2064.9	2063.0	2063.0
4°	2044.5	2039.0	2035.3	2033.5	2033.5
5°	2018.7	2013.1	2007.6	2003.9	2002.1
6°	1996.5	1987.3	1979.9	1978.0	1979.9
7°	1970.7	1965.1	1957.7	1952.2	1954.0
8°	1952.2	1944.8	1935.6	1931.9	1931.9
9°	1935.6	1928.2	1918.9	1911.6	1915.3
10°	1917.1	1909.7	1900.5	1894.9	1896.8
11°	1904.2	1894.9	1883.9	1880.2	1882.0
12°	1889.4	1878.3	1867.2	1865.4	1869.1
13°	1870.9	1859.8	1848.8	1848.8	1852.5
14°	1854.3	1841.4	1830.3	1830.3	1835.8
15°	1835.8	1822.9	1810.0	1810.0	1813.7
17.5°	1780.4	1769.3	1756.4	1756.4	1758.3
20°	1710.2	1704.7	1693.6	1688.1	1689.9
22.5°	1621.6	1621.6	1616.1	1606.8	1603.1
25°	1531.1	1538.5	1534.8	1520.0	1510.8
27.5°	1436.9	1449.8	1451.7	1429.5	1412.9
30°	1339.0	1350.1	1357.5	1331.6	1305.8
32.5°	1195.0	1228.2	1246.7	1211.6	1158.0
35°	1036.1	1050.9	1086.0	1039.8	995.5
37.5°	842.2	860.7	890.2	853.3	827.4
40°	557.8	631.6	650.1	631.6	572.5
42.5°	201.3	354.6	426.6	362.0	236.4
45°	7.4	83.1	249.3	107.1	25.9
47.5°	0.0	1.8	112.7	3.7	0.0
50°	0.0	0.0	24.0	0.0	0.0
52.5°	0.0	0.0	1.8	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)