

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: P1311866

Luminaire Tested: LDSQA3D20R709040D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

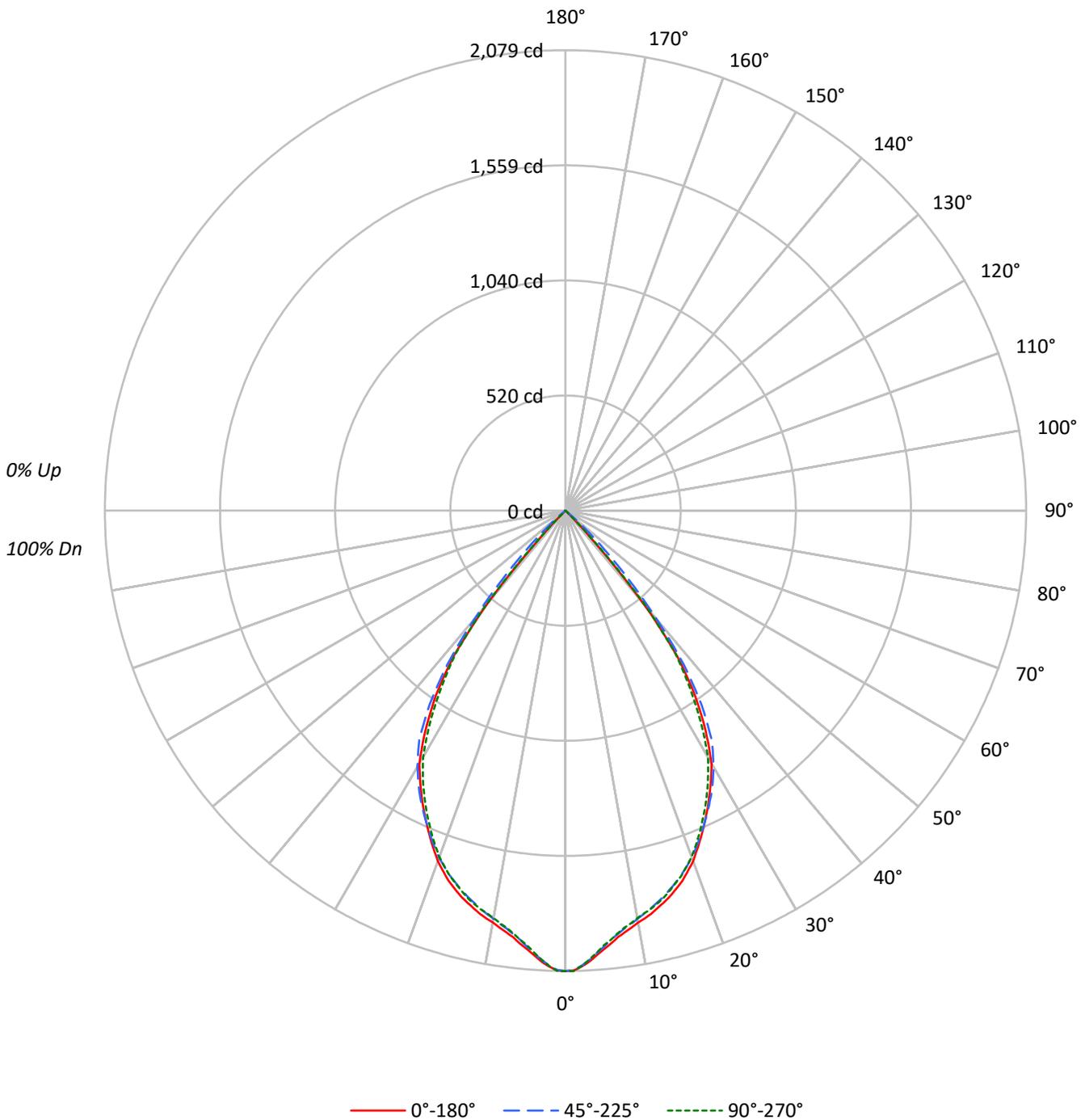
Test Method: LM-79-2019  
Report Number: P1311866  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R709040D010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2151.0 lumens  
Efficiency: N/A  
Efficacy: 74.7 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

TEST NUMBER: P1311866  
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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	100			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86			
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80			
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74			
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68			
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63			
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55			
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51			
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48			

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

	0°	45°	90°
0°	358068	358068	358068
5°	343721	341837	340886
10°	330190	327339	326692
15°	322381	317834	318494
20°	308709	305704	305044
25°	286560	287244	282741
30°	262264	265883	255741
35°	214555	224878	206124
40°	123494	143953	126776
45°	1778	59818	6211
50°	0	6323	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: 59818 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.5	8.6
10°-20°	502.6	23.4
20°-30°	690.5	32.1
30°-40°	626.1	29.1
40°-50°	145.5	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°	1378.7	64.1
0°-40°	2004.8	93.2
0°-60°	2151.0	100.0
0°-90°	2151.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2151.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2079	2079	2079	2079	2079	
5°	1988	1983	1977	1974	1972	187
15°	1808	1795	1783	1783	1786	507
25°	1508	1515	1512	1497	1488	692
35°	1020	1035	1070	1024	980	613
45°	7	82	246	106	26	88
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: P1311866

CATALOG NUMBER: LDSQA3D20R709040D010 3LSQCDR1MB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2079.1	2079.1	2079.1	2079.1	2079.1
1°	2077.3	2073.7	2075.5	2077.3	2079.1
2°	2060.9	2057.3	2057.3	2059.1	2059.1
3°	2040.9	2033.7	2033.7	2031.8	2031.8
4°	2013.6	2008.2	2004.5	2002.7	2002.7
5°	1988.2	1982.7	1977.3	1973.6	1971.8
6°	1966.3	1957.3	1950.0	1948.2	1950.0
7°	1940.9	1935.4	1928.1	1922.7	1924.5
8°	1922.7	1915.4	1906.3	1902.7	1902.7
9°	1906.3	1899.0	1890.0	1882.7	1886.3
10°	1888.1	1880.9	1871.8	1866.3	1868.1
11°	1875.4	1866.3	1855.4	1851.8	1853.6
12°	1860.8	1849.9	1839.0	1837.2	1840.8
13°	1842.7	1831.7	1820.8	1820.8	1824.5
14°	1826.3	1813.6	1802.6	1802.6	1808.1
15°	1808.1	1795.4	1782.6	1782.6	1786.3
17.5°	1753.5	1742.6	1729.9	1729.9	1731.7
20°	1684.4	1678.9	1668.0	1662.6	1664.4
22.5°	1597.1	1597.1	1591.6	1582.5	1578.9
25°	1508.0	1515.2	1511.6	1497.0	1487.9
27.5°	1415.2	1427.9	1429.7	1407.9	1391.5
30°	1318.8	1329.7	1337.0	1311.5	1286.0
32.5°	1176.9	1209.6	1227.8	1193.3	1140.5
35°	1020.5	1035.0	1069.6	1024.1	980.4
37.5°	829.5	847.7	876.8	840.4	814.9
40°	549.3	622.1	640.3	622.1	563.9
42.5°	198.3	349.2	420.2	356.5	232.8
45°	7.3	81.9	245.6	105.5	25.5
47.5°	0.0	1.8	111.0	3.6	0.0
50°	0.0	0.0	23.6	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



TEST NUMBER: P1311866  
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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)