

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: P1317722

Luminaire Tested: LDSQA3D20R159827D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

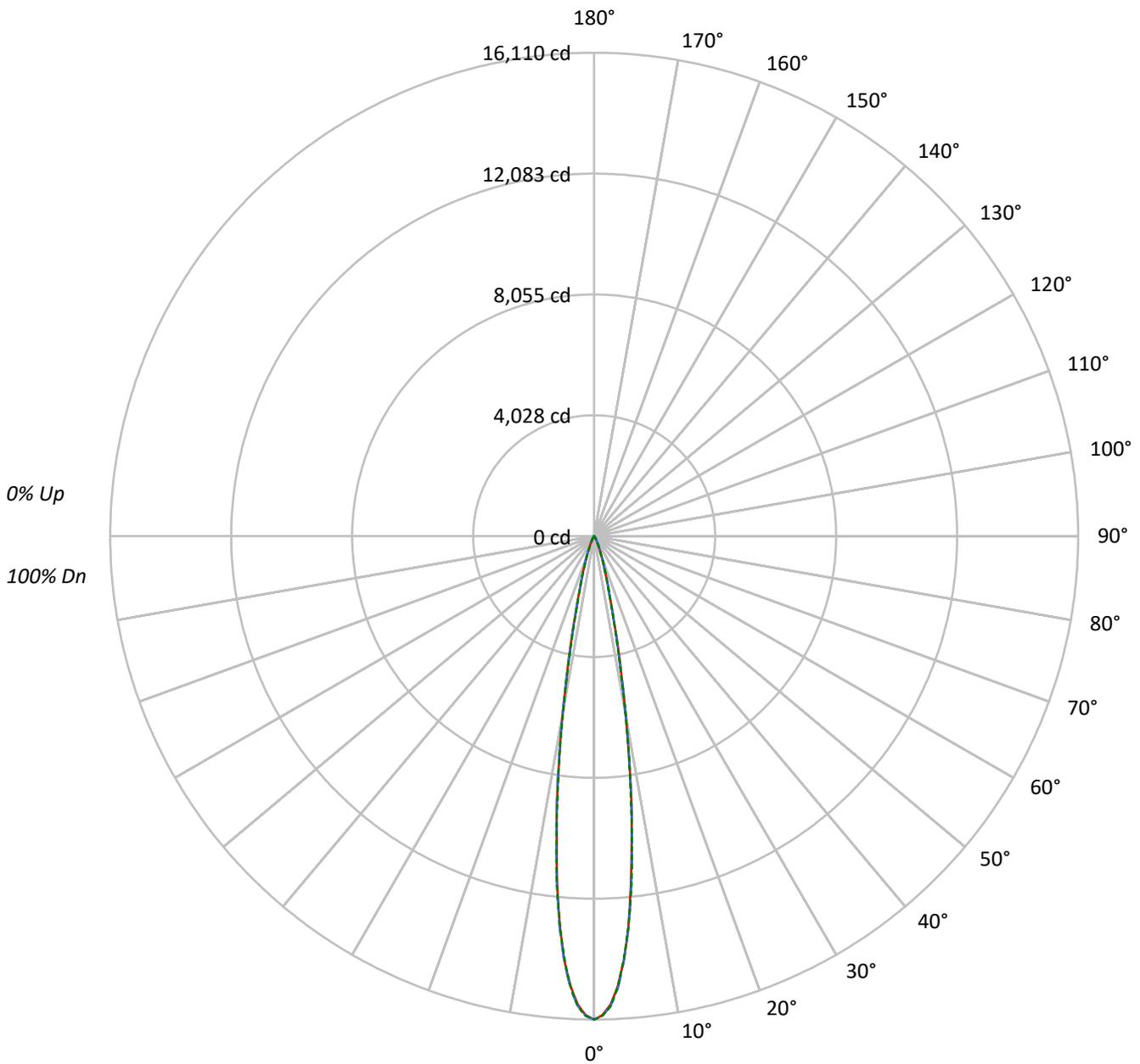
Test Method: LM-79-2019  
Report Number: P1317722  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R159827D010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1798.0 lumens  
Efficiency: N/A  
Efficacy: 65.6 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 27.4  
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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	95	93	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	90	88	87	86
9	97	92	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	89	87	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	88	85	84	83

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

	0°	45°	90°
0°	2774507	2774507	2774507
5°	2258960	2266342	2261917
10°	1053754	1063215	1049784
15°	330903	333685	331670
20°	131097	136320	126937
25°	52960	64039	51079
30°	21219	29134	20085
35°	6286	12867	5971
40°	1911	4789	1596
45°	341	1047	341
50°	0	375	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: 1047 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1008.6	56.1
10°-20°	603.2	33.6
20°-30°	152.1	8.5
30°-40°	31.1	1.7
40°-50°	2.9	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°	1764.0	98.1
0°-40°	1795.1	99.8
0°-60°	1798.0	100.0
0°-90°	1798.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1798.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	16110	16110	16110	16110	16110	
5°	13067	13042	13109	13077	13084	1006
15°	1856	1872	1872	1844	1860	604
25°	279	304	337	299	269	143
35°	30	40	61	38	28	25
45°	1	3	4	3	1	2
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°	16110.0	16110.0	16110.0	16110.0	16110.0
1°	15965.0	16019.0	15990.6	16013.3	15987.7
2°	15619.4	15691.9	15669.2	15662.0	15682.0
3°	15010.7	15094.6	15091.8	15070.4	15036.3
4°	14180.2	14146.0	14198.7	14193.0	14134.7
5°	13066.6	13042.5	13109.3	13076.6	13083.7
6°	11704.2	11809.5	11786.7	11789.6	11816.6
7°	10240.8	10297.7	10346.1	10385.9	10330.4
8°	8896.9	8882.7	8887.0	8932.5	8778.9
9°	7392.3	7480.5	7423.6	7332.6	7390.9
10°	6025.6	6079.7	6079.7	6000.0	6002.9
11°	4804.0	4848.1	4816.8	4836.7	4711.6
12°	3872.5	3763.0	3737.4	3757.3	3755.9
13°	2956.6	2963.7	2956.6	2955.2	2941.0
14°	2318.1	2355.1	2339.4	2301.0	2284.0
15°	1855.9	1871.5	1871.5	1844.5	1860.2
17.5°	1115.0	1133.4	1137.7	1119.2	1119.2
20°	715.3	723.9	743.8	716.8	692.6
22.5°	440.9	459.4	493.5	453.7	433.8
25°	278.7	304.3	337.0	298.6	268.8
27.5°	174.9	196.3	224.7	187.7	169.2
30°	106.7	120.9	146.5	118.0	101.0
32.5°	59.7	71.1	92.4	68.3	56.9
35°	29.9	39.8	61.2	38.4	28.4
37.5°	17.1	21.3	38.4	18.5	15.6
40°	8.5	11.4	21.3	11.4	7.1
42.5°	2.8	5.7	8.5	5.7	2.8
45°	1.4	2.8	4.3	2.8	1.4
47.5°	0.0	0.0	1.4	0.0	0.0
50°	0.0	0.0	1.4	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)