

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: P1317578

Luminaire Tested: LDSQA3D17R159827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

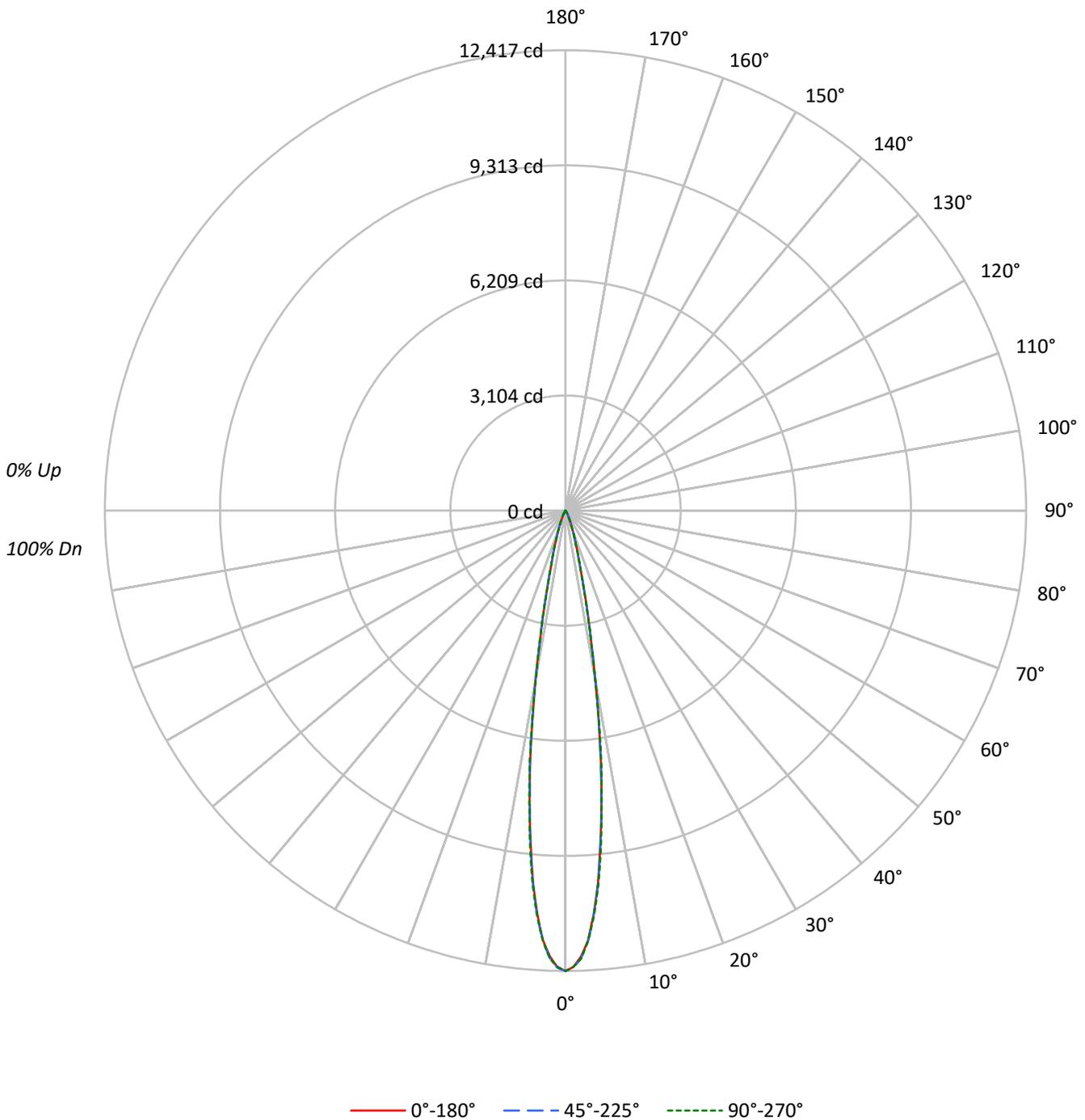
Test Method: LM-79-2019  
Report Number: P1317578  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R159827DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1394.0 lumens  
Efficiency: N/A  
Efficacy: 68.3 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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				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	105	104	103	102	101	100	99	99	98	99	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	91	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	93	91	89	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	88	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	86	90	88	86	90	88	86	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	85	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83

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

	0°	45°	90°
0°	2138557	2138557	2138557
5°	1738953	1745004	1751072
10°	809849	810619	806212
15°	250580	259548	254681
20°	99903	105512	98694
25°	41806	49293	39735
30°	16983	22631	15671
35°	5529	10365	5067
40°	1978	4182	1978
45°	804	1340	804
50°	589	884	589
55°	661	661	661
60°	758	758	758
65°	448	448	448
70°	554	554	554
75°	732	732	732
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1340 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	777.3	55.8
10°-20°	464.7	33.3
20°-30°	118.3	8.5
30°-40°	25.7	1.8
40°-50°	4.2	0.3
50°-60°	2.0	0.1
60°-70°	1.2	0.1
70°-80°	0.7	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°	1360.2	97.6
0°-40°	1385.9	99.4
0°-60°	1392.1	99.9
0°-90°	1394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1394.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	12417	12417	12417	12417	12417	
5°	10059	10073	10094	10048	10129	776
15°	1405	1445	1456	1435	1428	463
25°	220	235	259	230	209	112
35°	26	34	49	33	24	21
45°	3	4	6	4	3	3
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	12417.4	12417.4	12417.4	12417.4	12417.4
1°	12309.0	12329.8	12333.1	12329.8	12312.3
2°	12032.1	12093.4	12080.3	12054.0	12091.2
3°	11604.2	11634.8	11630.4	11632.6	11623.9
4°	10908.1	10961.7	10931.0	10954.0	10956.2
5°	10058.7	10072.9	10093.7	10047.8	10128.8
6°	9013.4	9104.3	9024.4	9103.2	9134.9
7°	7950.6	8003.2	7901.4	7956.1	7989.0
8°	6863.8	6771.8	6827.7	6828.8	6937.1
9°	5690.4	5709.1	5756.1	5702.5	5749.5
10°	4630.9	4673.6	4635.3	4616.7	4610.1
11°	3656.8	3705.0	3701.7	3707.2	3671.0
12°	2942.1	2916.9	2933.3	2879.7	2903.8
13°	2289.7	2290.8	2277.7	2255.8	2236.1
14°	1793.9	1783.0	1813.6	1786.3	1761.1
15°	1405.4	1444.8	1455.7	1434.9	1428.4
17.5°	866.9	868.0	883.3	863.6	861.4
20°	545.1	558.2	575.7	554.9	538.5
22.5°	344.8	356.8	384.2	357.9	334.9
25°	220.0	235.3	259.4	229.9	209.1
27.5°	137.9	152.1	175.1	147.8	132.4
30°	85.4	95.2	113.8	93.0	78.8
32.5°	49.3	59.1	74.4	55.8	47.1
35°	26.3	33.9	49.3	32.8	24.1
37.5°	15.3	19.7	31.7	17.5	14.2
40°	8.8	12.0	18.6	10.9	8.8
42.5°	5.5	7.7	8.8	6.6	4.4
45°	3.3	4.4	5.5	4.4	3.3
47.5°	2.2	3.3	4.4	2.2	2.2
50°	2.2	2.2	3.3	2.2	2.2
52.5°	2.2	2.2	2.2	2.2	2.2
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.2	2.2	2.2	2.2	2.2
60°	2.2	2.2	2.2	2.2	2.2
62.5°	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
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)