

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: P1313775

Luminaire Tested: LDSQA3D17R159727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313775  
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: LDSQA3D17R159727DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

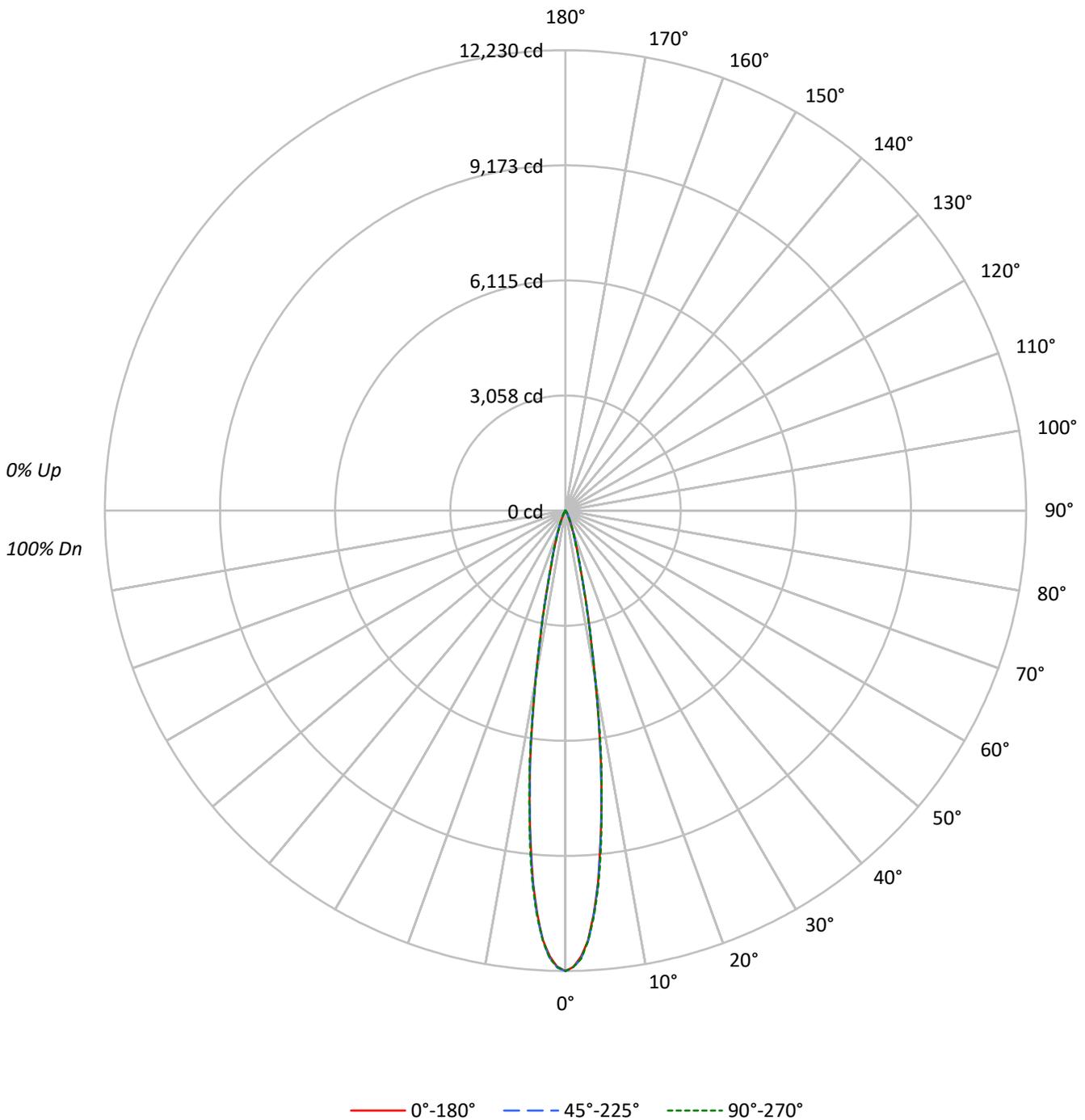
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1373.1 lumens  
Efficiency: N/A  
Efficacy: 64.8 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): 21.2  
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				
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°	2106335	2106335	2106335
5°	1712762	1718726	1724690
10°	797660	798412	794075
15°	246800	255644	250830
20°	98401	103917	97209
25°	41179	48552	39126
30°	16725	22293	15432
35°	5445	10197	4983
40°	1933	4114	1933
45°	779	1315	779
50°	589	857	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: 1315 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	765.5	55.8
10°-20°	457.7	33.3
20°-30°	116.5	8.5
30°-40°	25.3	1.8
40°-50°	4.1	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°	1339.7	97.6
0°-40°	1365.0	99.4
0°-60°	1371.1	99.9
0°-90°	1373.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1373.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	12230	12230	12230	12230	12230	
5°	9907	9921	9942	9896	9976	764
15°	1384	1423	1434	1413	1407	456
25°	217	232	256	226	206	110
35°	26	33	48	32	24	20
45°	3	4	5	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°	12230.3	12230.3	12230.3	12230.3	12230.3
1°	12123.6	12144.1	12147.3	12144.1	12126.9
2°	11850.9	11911.2	11898.3	11872.4	11909.1
3°	11429.4	11459.5	11455.2	11457.4	11448.8
4°	10743.7	10796.6	10766.4	10789.0	10791.2
5°	9907.2	9921.2	9941.7	9896.4	9976.2
6°	8877.6	8967.1	8888.4	8966.0	8997.3
7°	7830.9	7882.6	7782.4	7836.3	7868.6
8°	6760.4	6669.8	6724.8	6725.9	6832.6
9°	5604.7	5623.0	5669.4	5616.6	5662.9
10°	4561.2	4603.2	4565.5	4547.2	4540.7
11°	3601.7	3649.2	3645.9	3651.3	3615.7
12°	2897.8	2873.0	2889.1	2836.3	2860.0
13°	2255.3	2256.3	2243.4	2221.8	2202.4
14°	1766.9	1756.1	1786.3	1759.4	1734.6
15°	1384.2	1423.0	1433.8	1413.3	1406.8
17.5°	853.8	854.9	870.0	850.6	848.4
20°	536.9	549.8	567.0	546.6	530.4
22.5°	339.6	351.4	378.4	352.5	329.9
25°	216.7	231.8	255.5	226.4	205.9
27.5°	135.8	149.8	172.5	145.5	130.4
30°	84.1	93.8	112.1	91.6	77.6
32.5°	48.5	58.2	73.3	55.0	46.4
35°	25.9	33.4	48.5	32.3	23.7
37.5°	15.1	19.4	31.3	17.2	14.0
40°	8.6	11.9	18.3	10.8	8.6
42.5°	5.4	7.5	8.6	6.5	4.3
45°	3.2	4.3	5.4	4.3	3.2
47.5°	2.2	3.2	4.3	2.2	2.2
50°	2.2	2.2	3.2	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)