

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: P1319198

Luminaire Tested: LDSQA3D13R209835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319198  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R209835DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

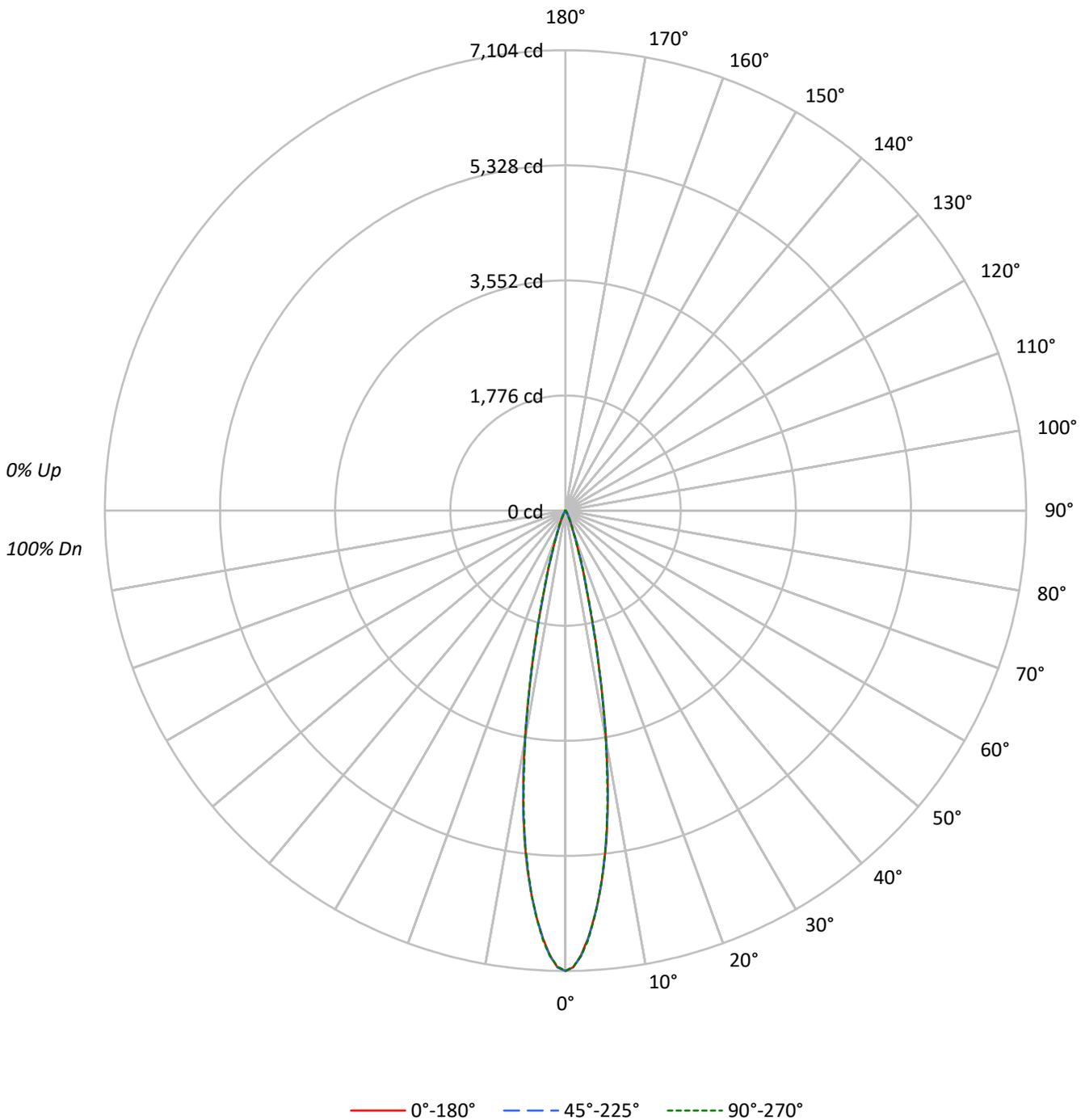
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 979.1 lumens  
Efficiency: N/A  
Efficacy: 67.5 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	99	98	97	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

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

	0°	45°	90°
0°	1223504	1223504	1223504
5°	1031232	1031630	1031094
10°	628412	625491	626943
15°	221357	222302	229184
20°	69553	71496	69975
25°	26053	28504	26775
30°	10082	14318	10540
35°	3826	6370	4142
40°	2046	2720	2046
45°	731	1291	926
50°	402	616	402
55°	450	450	450
60°	276	276	276
65°	326	326	326
70°	403	403	403
75°	0	0	532
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1291 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	493.2	50.4
10°-20°	386.7	39.5
20°-30°	75.9	7.8
30°-40°	17.0	1.7
40°-50°	3.9	0.4
50°-60°	1.2	0.1
60°-70°	0.8	0.1
70°-80°	0.3	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°	955.8	97.6
0°-40°	972.8	99.4
0°-60°	977.9	99.9
0°-90°	979.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	979.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7104	7104	7104	7104	7104	
5°	5965	5970	5967	5988	5964	494
15°	1242	1247	1247	1274	1285	386
25°	137	146	150	148	141	72
35°	18	22	30	22	20	14
45°	3	4	5	4	4	3
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7104.2	7104.2	7104.2	7104.2	7104.2
1°	7046.6	7031.5	7048.9	7035.3	7038.3
2°	6864.1	6855.7	6878.5	6864.1	6871.7
3°	6610.3	6599.7	6616.4	6617.2	6638.4
4°	6307.4	6286.9	6311.9	6312.7	6316.4
5°	5965.0	5970.3	5967.3	5987.7	5964.2
6°	5580.2	5597.6	5574.9	5586.3	5553.7
7°	5150.0	5128.0	5116.6	5120.4	5143.1
8°	4675.0	4659.9	4676.5	4653.1	4637.2
9°	4147.1	4120.6	4138.7	4116.0	4093.3
10°	3593.4	3581.3	3576.7	3551.0	3585.0
11°	3038.2	3001.8	3020.0	3007.1	3044.2
12°	2518.5	2521.6	2486.0	2497.3	2501.9
13°	2049.7	2001.2	2007.3	2038.3	2043.6
14°	1589.9	1596.7	1599.0	1621.0	1633.8
15°	1241.5	1246.8	1246.8	1274.0	1285.4
17.5°	665.8	665.8	680.2	683.2	684.7
20°	379.5	381.8	390.1	389.3	381.8
22.5°	227.2	231.8	236.3	231.8	227.2
25°	137.1	146.2	150.0	147.7	140.9
27.5°	81.8	91.7	102.3	93.9	81.0
30°	50.7	56.1	72.0	57.6	53.0
32.5°	28.0	36.4	49.2	37.9	28.8
35°	18.2	22.0	30.3	22.0	19.7
37.5°	12.9	15.1	18.9	15.9	13.6
40°	9.1	10.6	12.1	11.4	9.1
42.5°	6.1	7.6	8.3	7.6	6.1
45°	3.0	4.5	5.3	4.5	3.8
47.5°	1.5	2.3	3.8	2.3	1.5
50°	1.5	1.5	2.3	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	0.8	1.5	0.8
60°	0.8	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.8
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)