

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: P1311448

Luminaire Tested: LDSQA3D13R209040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311448  
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: LDSQA3D13R209040DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

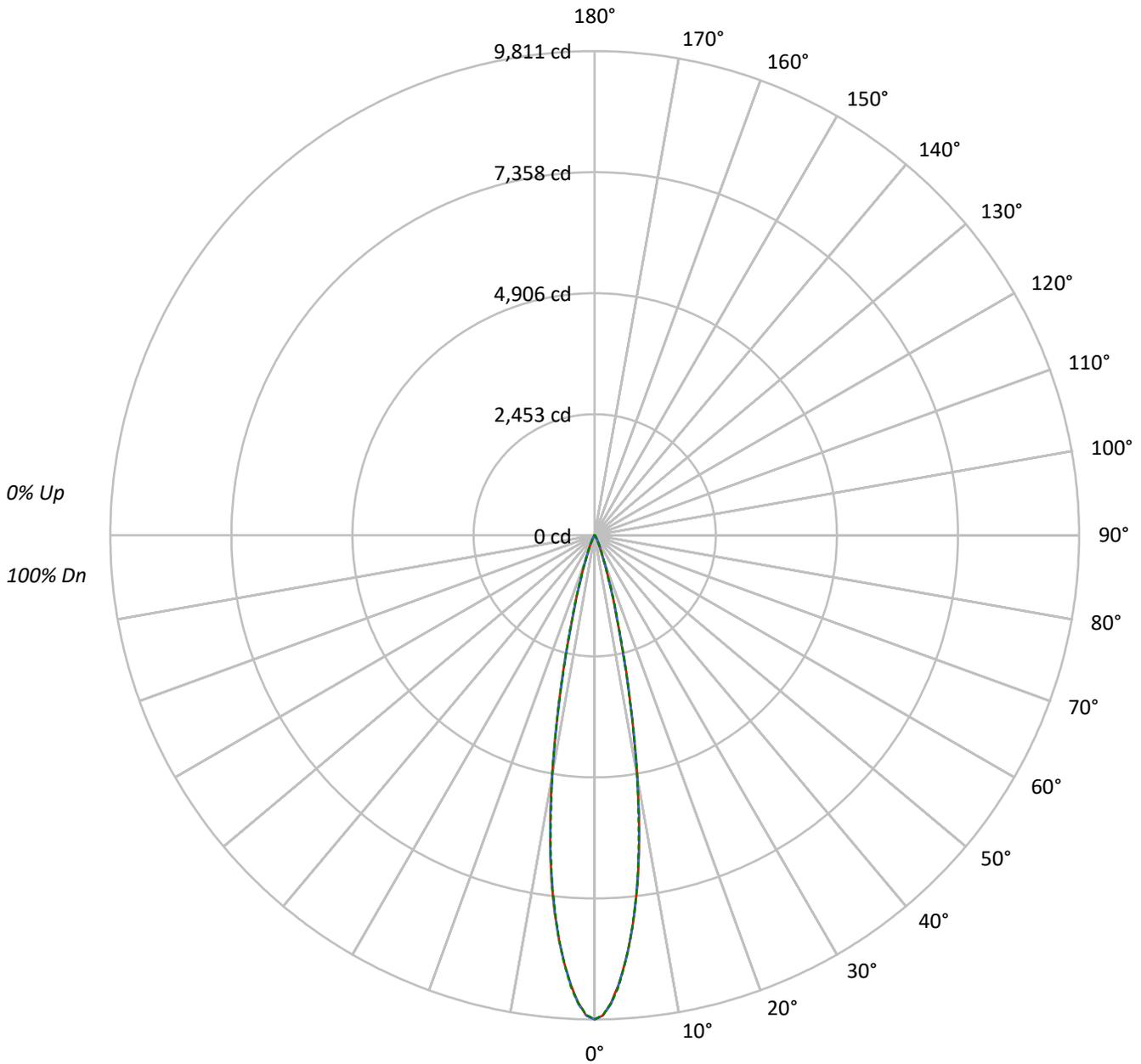
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1351.9 lumens  
Efficiency: N/A  
Efficacy: 92.6 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): 14.6  
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



— 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	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	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	92	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	86	84	88	85	83	88	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°	1689659	1689659	1689659
5°	1424120	1424674	1423948
10°	867839	863800	865828
15°	305692	306993	316497
20°	96055	98731	96623
25°	35972	39355	36979
30°	13940	19767	14557
35°	5277	8788	5719
40°	2833	3755	2833
45°	1023	1778	1267
50°	563	831	563
55°	631	631	631
60°	344	344	344
65°	408	408	408
70°	504	504	504
75°	0	0	665
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1778 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	681.0	50.4
10°-20°	534.0	39.5
20°-30°	104.9	7.8
30°-40°	23.5	1.7
40°-50°	5.4	0.4
50°-60°	1.7	0.1
60°-70°	1.0	0.1
70°-80°	0.4	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°	1319.9	97.6
0°-40°	1343.5	99.4
0°-60°	1350.5	99.9
0°-90°	1351.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1351.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9811	9811	9811	9811	9811	
5°	8238	8245	8241	8269	8237	682
15°	1714	1722	1722	1760	1775	533
25°	189	202	207	204	195	100
35°	25	30	42	30	27	19
45°	4	6	7	6	5	4
55°	2	2	2	2	2	2
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°	9810.9	9810.9	9810.9	9810.9	9810.9
1°	9731.4	9710.5	9734.5	9715.7	9719.9
2°	9479.3	9467.8	9499.2	9479.3	9489.8
3°	9128.9	9114.2	9137.2	9138.3	9167.6
4°	8710.5	8682.2	8716.7	8717.8	8723.0
5°	8237.6	8245.0	8240.8	8269.0	8236.6
6°	7706.2	7730.3	7698.9	7714.6	7669.6
7°	7112.1	7081.8	7066.1	7071.3	7102.7
8°	6456.2	6435.3	6458.3	6425.9	6403.9
9°	5727.1	5690.5	5715.6	5684.2	5652.9
10°	4962.5	4945.7	4939.4	4903.9	4951.0
11°	4195.7	4145.5	4170.6	4152.8	4204.1
12°	3478.1	3482.3	3433.1	3448.8	3455.1
13°	2830.6	2763.7	2772.0	2814.9	2822.2
14°	2195.7	2205.1	2208.2	2238.5	2256.3
15°	1714.5	1721.8	1721.8	1759.5	1775.1
17.5°	919.5	919.5	939.4	943.5	945.6
20°	524.1	527.2	538.7	537.7	527.2
22.5°	313.8	320.1	326.4	320.1	313.8
25°	189.3	201.9	207.1	204.0	194.6
27.5°	113.0	126.6	141.2	129.7	111.9
30°	70.1	77.4	99.4	79.5	73.2
32.5°	38.7	50.2	68.0	52.3	39.7
35°	25.1	30.3	41.8	30.3	27.2
37.5°	17.8	20.9	26.2	22.0	18.8
40°	12.6	14.6	16.7	15.7	12.6
42.5°	8.4	10.5	11.5	10.5	8.4
45°	4.2	6.3	7.3	6.3	5.2
47.5°	2.1	3.1	5.2	3.1	2.1
50°	2.1	2.1	3.1	2.1	2.1
52.5°	2.1	2.1	2.1	2.1	2.1
55°	2.1	2.1	2.1	2.1	2.1
57.5°	2.1	2.1	1.0	2.1	1.0
60°	1.0	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	0.0	0.0	1.0
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)