

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: P1313648

Luminaire Tested: LDSQA3D13R209727DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313648  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R209727DE010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

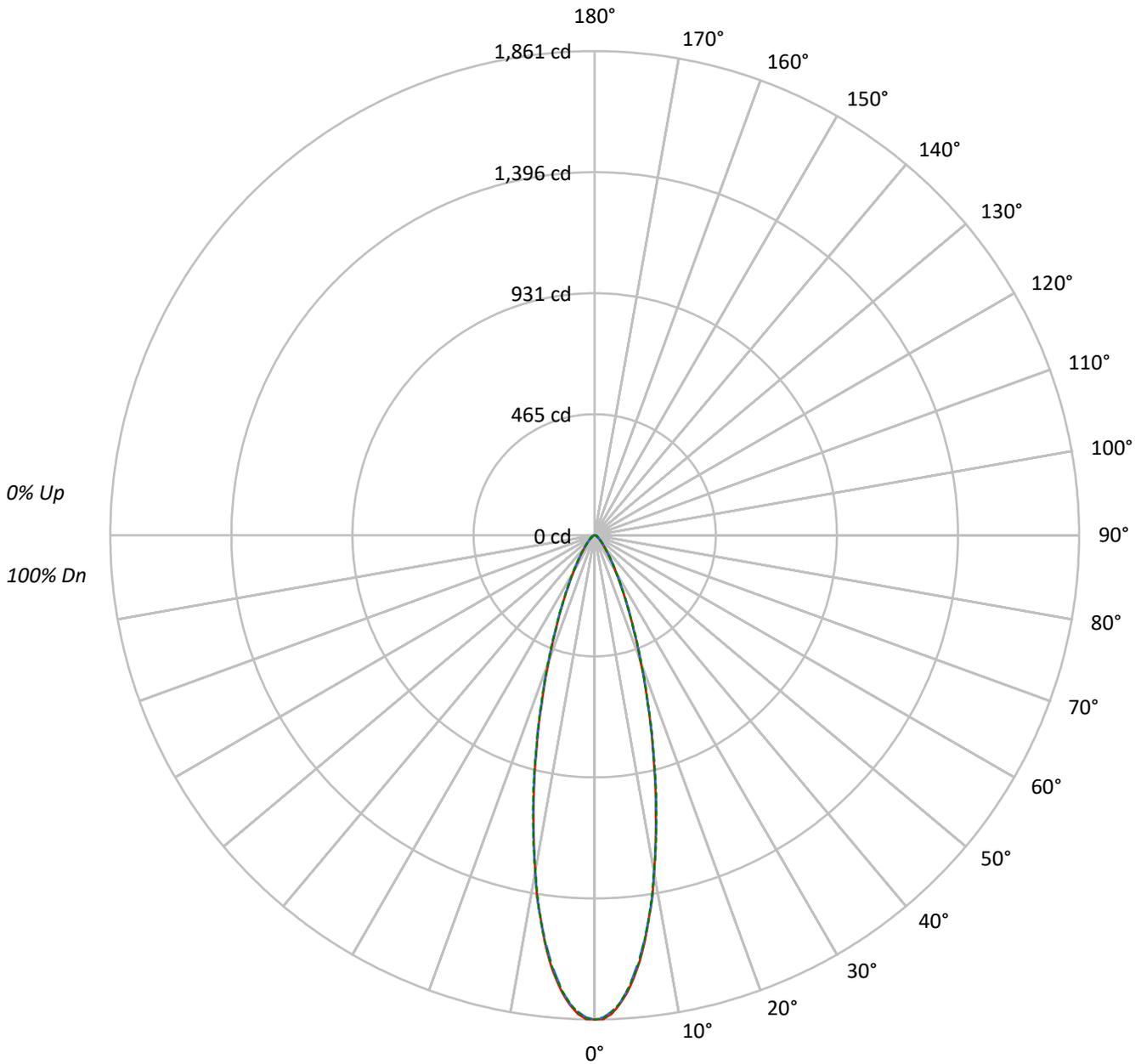
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 654.0 lumens  
Efficiency: N/A  
Efficacy: 44.8 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5  
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				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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	73	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	71	67	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	68	65	62	61

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

	0°	45°	90°
0°	320506	320506	320506
5°	295678	294001	294986
10°	229459	229739	229739
15°	155084	155815	155815
20°	94185	95377	95835
25°	55260	56020	55868
30°	32236	32872	33032
35°	19700	20205	20205
40°	12815	12995	13174
45°	8914	9133	9328
50°	6538	6752	6752
55°	5134	5375	5375
60°	4478	4478	4753
65°	3994	3994	4320
70°	3676	3676	3676
75°	3261	3261	3261
80°	2380	2380	3273
85°	1581	1581	3162

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 9328 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.1	22.9
10°-20°	240.3	36.7
20°-30°	139.2	21.3
30°-40°	62.4	9.5
40°-50°	29.6	4.5
50°-60°	16.2	2.5
60°-70°	9.8	1.5
70°-80°	5.3	0.8
80°-90°	1.1	0.2
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°	529.5	81.0
0°-40°	591.9	90.5
0°-60°	637.7	97.5
0°-90°	654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	654.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1861	1861	1861	1861	1861	
5°	1710	1705	1701	1704	1706	150
15°	870	870	874	870	874	240
25°	291	291	295	292	294	138
35°	94	94	96	97	96	61
45°	37	37	38	38	38	29
55°	17	17	18	18	18	16
65°	10	10	10	10	11	10
75°	5	5	5	5	5	5
85°	1	1	1	1	2	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1861.0	1861.0	1861.0	1861.0	1861.0
1°	1860.2	1855.3	1853.7	1852.0	1856.9
2°	1841.5	1835.8	1832.5	1834.1	1834.9
3°	1808.1	1804.8	1804.8	1802.4	1804.0
4°	1764.9	1758.4	1758.4	1759.2	1759.2
5°	1710.3	1704.6	1700.6	1703.8	1706.3
6°	1649.2	1641.9	1638.7	1639.5	1645.2
7°	1574.3	1564.5	1566.2	1570.2	1570.2
8°	1489.6	1488.8	1490.4	1488.8	1490.4
9°	1411.4	1400.0	1409.8	1401.7	1405.7
10°	1312.1	1311.3	1313.7	1316.1	1313.7
12.5°	1085.7	1089.7	1091.4	1088.1	1095.4
15°	869.8	869.8	873.9	869.8	873.9
17.5°	676.8	676.0	679.2	676.0	680.9
20°	513.9	519.6	520.4	520.4	522.9
22.5°	387.7	387.7	390.9	391.7	390.1
25°	290.8	290.8	294.8	292.4	294.0
27.5°	215.0	216.6	219.9	221.5	221.5
30°	162.1	162.9	165.3	166.1	166.1
32.5°	122.2	123.8	125.4	126.2	127.1
35°	93.7	94.5	96.1	96.9	96.1
37.5°	71.7	72.5	74.1	74.9	74.9
40°	57.0	57.0	57.8	58.6	58.6
42.5°	44.8	45.6	45.6	46.4	46.4
45°	36.6	36.6	37.5	37.5	38.3
47.5°	29.3	29.3	30.1	30.9	30.9
50°	24.4	24.4	25.2	25.2	25.2
52.5°	20.4	20.4	21.2	21.2	21.2
55°	17.1	17.1	17.9	17.9	17.9
57.5°	14.7	14.7	15.5	15.5	15.5
60°	13.0	13.0	13.0	13.0	13.8
62.5°	11.4	11.4	11.4	11.4	11.4
65°	9.8	9.8	9.8	9.8	10.6
67.5°	8.1	8.1	8.1	8.1	9.0
70°	7.3	7.3	7.3	7.3	7.3
72.5°	5.7	5.7	5.7	6.5	6.5
75°	4.9	4.9	4.9	4.9	4.9
77.5°	4.1	4.1	4.1	4.1	4.1
80°	2.4	2.4	2.4	3.3	3.3
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	1.6
87.5°	0.0	0.0	0.0	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)