

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: P1314453

Luminaire Tested: LDSQA3D09R209730DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314453  
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: LDSQA3D09R209730DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

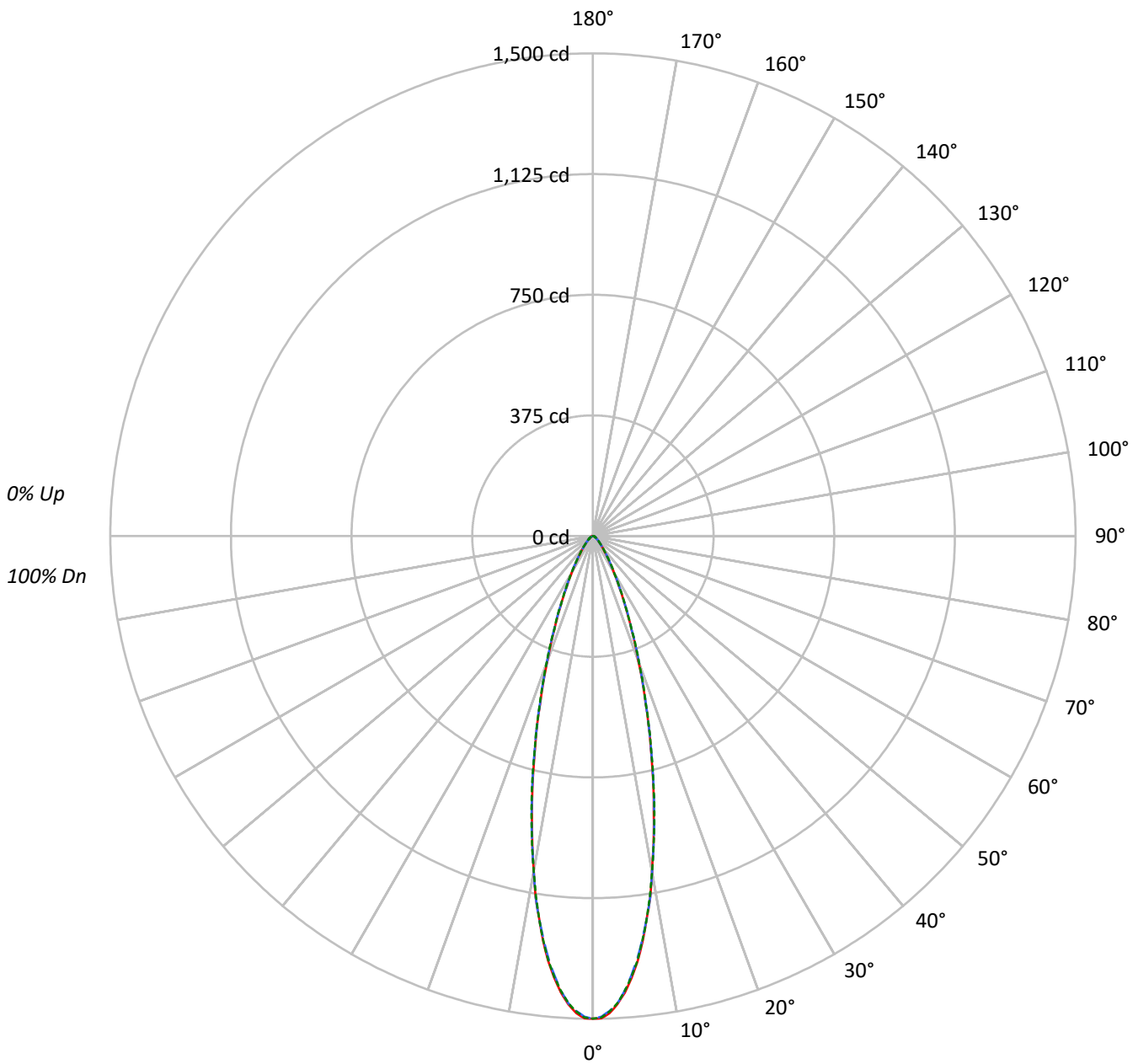
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 527.0 lumens  
Efficiency: N/A  
Efficacy: 47.5 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): 11.1  
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% Up  
100% Dn

— 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	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°	258265	258265	258265
5°	238264	236898	237693
10°	184900	185127	185127
15°	124969	125557	125557
20°	75894	76866	77214
25°	44523	45150	45017
30°	25972	26489	26628
35°	15873	16273	16273
40°	10319	10477	10634
45°	7185	7355	7502
50°	5278	5439	5439
55°	4144	4324	4324
60°	3617	3617	3858
65°	3219	3219	3464
70°	2971	2971	2971
75°	2595	2595	2595
80°	1984	1984	2579
85°	1383	1383	2569

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 7502 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.9	22.9
10°-20°	193.7	36.7
20°-30°	112.1	21.3
30°-40°	50.3	9.5
40°-50°	23.8	4.5
50°-60°	13.1	2.5
60°-70°	7.9	1.5
70°-80°	4.3	0.8
80°-90°	0.9	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°	426.7	81.0
0°-40°	477.0	90.5
0°-60°	513.9	97.5
0°-90°	527.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	527.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1500	1500	1500	1500	1500	
5°	1378	1374	1370	1373	1375	121
15°	701	701	704	701	704	193
25°	234	234	238	236	237	111
35°	76	76	77	78	77	49
45°	30	30	30	30	31	23
55°	14	14	14	14	14	13
65°	8	8	8	8	8	8
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1499.6	1499.6	1499.6	1499.6	1499.6
1°	1499.0	1495.0	1493.7	1492.4	1496.3
2°	1483.9	1479.3	1476.6	1478.0	1478.6
3°	1457.0	1454.3	1454.3	1452.4	1453.7
4°	1422.2	1416.9	1416.9	1417.6	1417.6
5°	1378.2	1373.6	1370.3	1373.0	1374.9
6°	1329.0	1323.1	1320.4	1321.1	1325.7
7°	1268.6	1260.7	1262.0	1265.3	1265.3
8°	1200.3	1199.7	1201.0	1199.7	1201.0
9°	1137.3	1128.2	1136.0	1129.5	1132.8
10°	1057.3	1056.6	1058.6	1060.6	1058.6
12.5°	874.8	878.1	879.4	876.8	882.7
15°	700.9	700.9	704.2	700.9	704.2
17.5°	545.4	544.7	547.3	544.7	548.7
20°	414.1	418.7	419.4	419.4	421.3
22.5°	312.4	312.4	315.0	315.7	314.4
25°	234.3	234.3	237.6	235.6	236.9
27.5°	173.3	174.6	177.2	178.5	178.5
30°	130.6	131.3	133.2	133.9	133.9
32.5°	98.4	99.8	101.1	101.7	102.4
35°	75.5	76.1	77.4	78.1	77.4
37.5°	57.8	58.4	59.7	60.4	60.4
40°	45.9	45.9	46.6	47.3	47.3
42.5°	36.1	36.8	36.8	37.4	37.4
45°	29.5	29.5	30.2	30.2	30.8
47.5°	23.6	23.6	24.3	24.9	24.9
50°	19.7	19.7	20.3	20.3	20.3
52.5°	16.4	16.4	17.1	17.1	17.1
55°	13.8	13.8	14.4	14.4	14.4
57.5°	11.8	11.8	12.5	12.5	12.5
60°	10.5	10.5	10.5	10.5	11.2
62.5°	9.2	9.2	9.2	9.2	9.2
65°	7.9	7.9	7.9	7.9	8.5
67.5°	6.6	6.6	6.6	6.6	7.2
70°	5.9	5.9	5.9	5.9	5.9
72.5°	4.6	4.6	4.6	5.3	5.3
75°	3.9	3.9	3.9	3.9	3.9
77.5°	3.3	3.3	3.3	3.3	3.3
80°	2.0	2.0	2.0	2.6	2.6
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.7	0.7	0.7	0.7	1.3
87.5°	0.0	0.0	0.0	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)