

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: P1313949

Luminaire Tested: LDSQA3D20R209727D010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313949  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R209727D010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

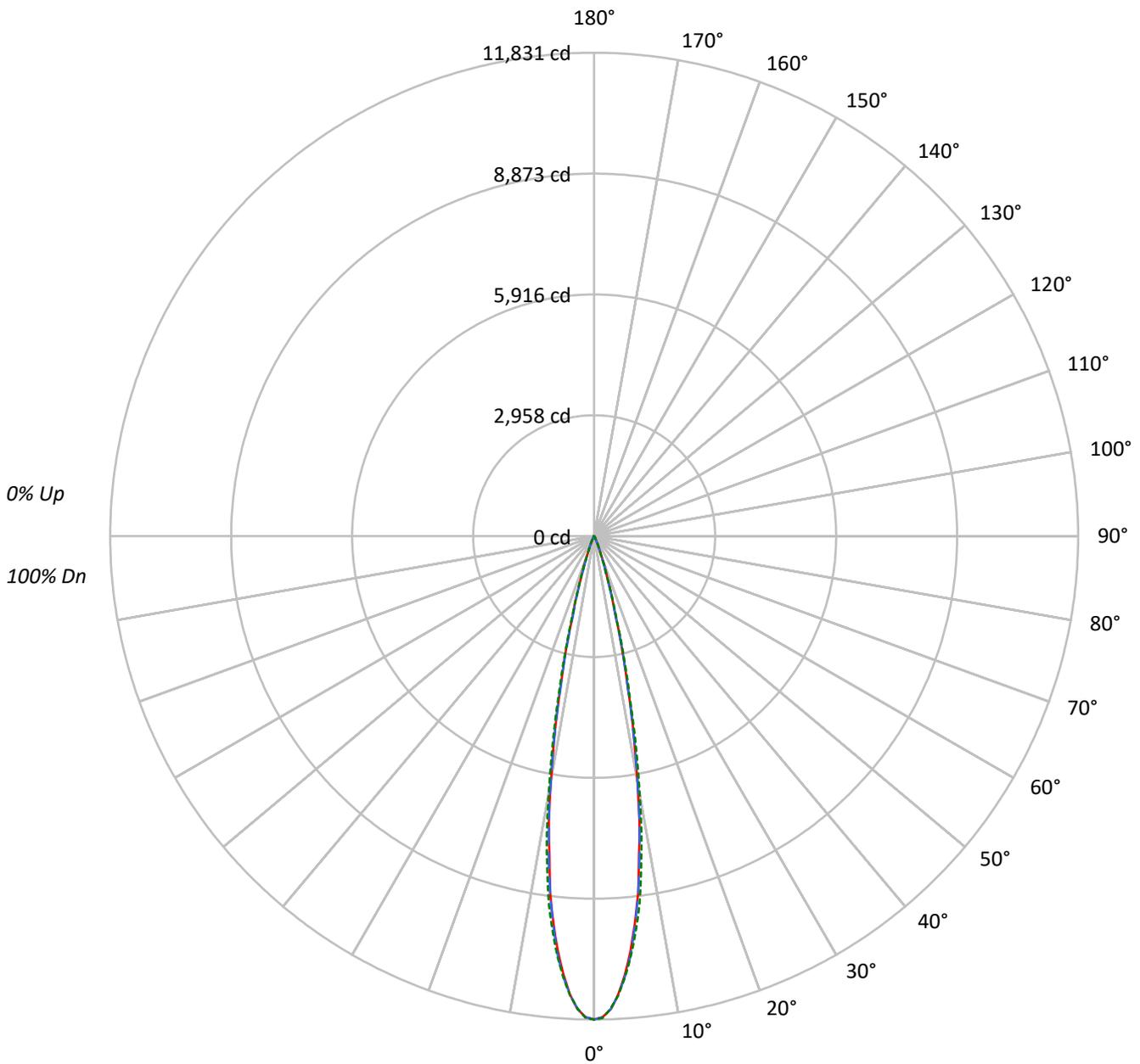
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1589.0 lumens  
Efficiency: N/A  
Efficacy: 55.2 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	96	95	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	95	93	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	93	91	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	92	90	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	91	88	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	89	87	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	88	86	83

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

	0°	45°	90°
0°	2037497	2037497	2037497
5°	1760148	1776555	1783159
10°	1059595	1069493	1122726
15°	366492	357915	386443
20°	96256	90556	90813
25°	20979	25293	28789
30°	9009	9009	9287
35°	5067	4457	4773
40°	2226	2540	2855
45°	682	1023	1023
50°	375	375	375
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 1023 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	846.2	53.3
10°-20°	644.2	40.5
20°-30°	79.7	5.0
30°-40°	15.1	0.9
40°-50°	3.6	0.2
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	1570.1	98.8
0°-40°	1585.1	99.8
0°-60°	1589.0	100.0
0°-90°	1589.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1589.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11831	11831	11831	11831	11831	
5°	10181	10174	10276	10269	10314	840
15°	2056	1982	2007	2128	2167	644
25°	110	126	133	139	152	76
35°	24	24	21	23	23	15
45°	3	4	4	4	4	3
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	11830.6	11830.6	11830.6	11830.6	11830.6
1°	11775.4	11761.2	11772.5	11748.5	11798.0
2°	11587.1	11572.9	11572.9	11558.8	11565.8
3°	11236.0	11258.6	11244.5	11214.8	11253.0
4°	10757.5	10783.0	10805.6	10807.1	10812.7
5°	10181.3	10174.3	10276.2	10269.1	10314.4
6°	9524.5	9516.0	9559.9	9633.5	9724.1
7°	8802.5	8699.2	8816.7	8965.3	9087.0
8°	7868.2	7895.1	7975.8	8151.3	8249.0
9°	7075.4	6918.3	7089.6	7299.1	7405.3
10°	6059.0	5931.6	6115.6	6336.4	6420.0
12.5°	3813.8	3703.3	3762.8	3995.0	4031.8
15°	2055.5	1981.9	2007.4	2127.7	2167.4
17.5°	1049.0	982.5	968.3	1044.7	1053.2
20°	525.2	509.6	494.1	501.1	495.5
22.5°	243.5	264.7	261.9	247.7	264.7
25°	110.4	126.0	133.1	138.7	151.5
27.5°	68.0	65.1	75.0	80.7	82.1
30°	45.3	43.9	45.3	46.7	46.7
32.5°	32.6	31.1	29.7	29.7	31.1
35°	24.1	24.1	21.2	22.7	22.7
37.5°	17.0	17.0	15.6	17.0	17.0
40°	9.9	11.3	11.3	11.3	12.7
42.5°	5.7	7.1	7.1	7.1	7.1
45°	2.8	4.2	4.2	4.2	4.2
47.5°	1.4	1.4	1.4	2.8	2.8
50°	1.4	1.4	1.4	1.4	1.4
52.5°	1.4	0.0	0.0	0.0	1.4
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)