

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: P1307428

Luminaire Tested: LDSQA3D20R209024D010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307428  
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: LDSQA3D20R209024D010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

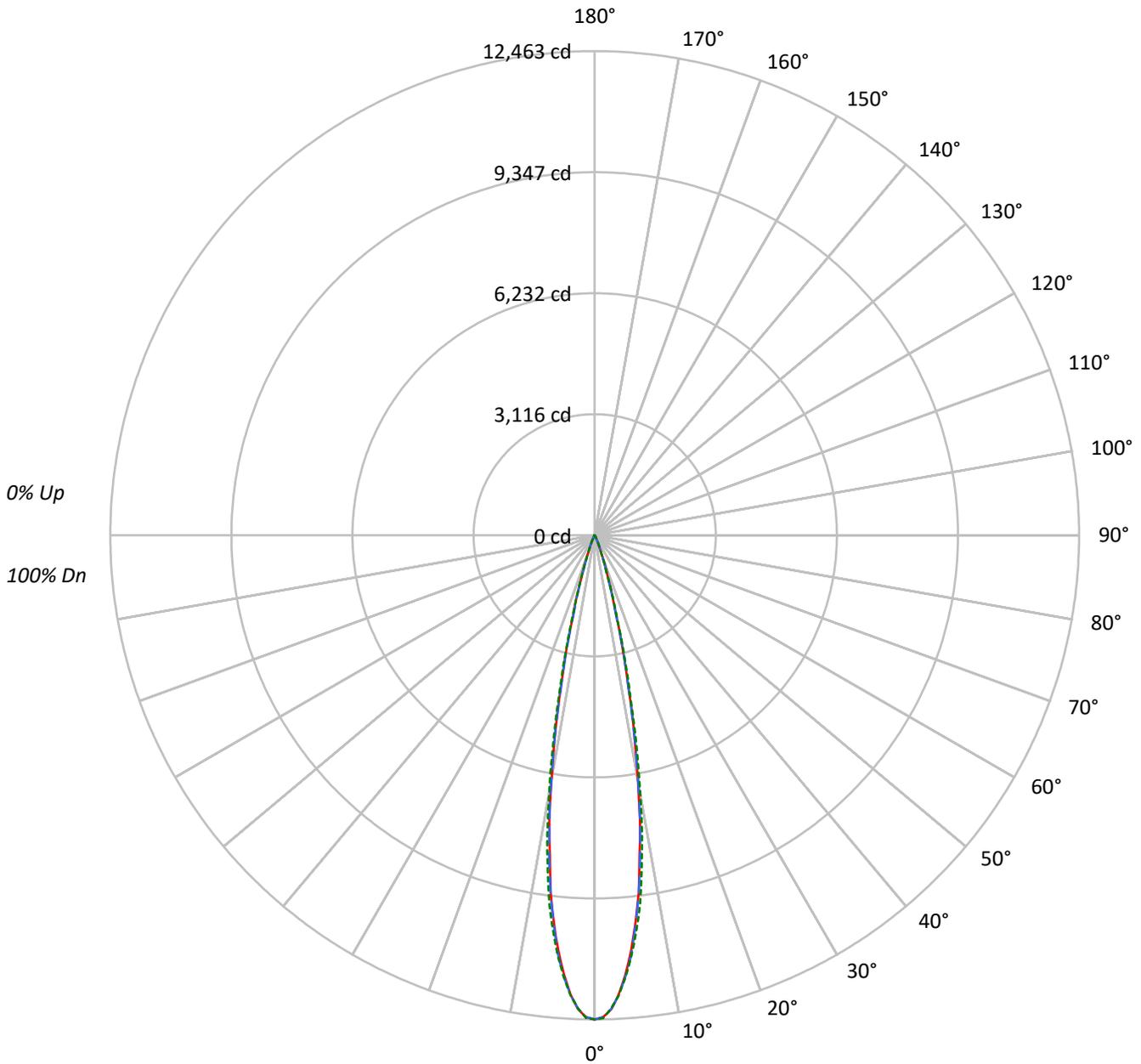
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1674.0 lumens  
Efficiency: N/A  
Efficacy: 58.1 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°	2146480	2146480	2146480
5°	1854316	1871587	1878554
10°	1116273	1126696	1182780
15°	386104	377065	407108
20°	101406	95395	95670
25°	22100	26642	30328
30°	9486	9486	9784
35°	5340	4709	5025
40°	2338	2675	3013
45°	731	1096	1096
50°	402	402	402
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: 1096 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	891.4	53.3
10°-20°	678.7	40.5
20°-30°	83.9	5.0
30°-40°	15.9	0.9
40°-50°	3.8	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°	1654.0	98.8
0°-40°	1669.9	99.8
0°-60°	1674.0	100.0
0°-90°	1674.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1674.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	12463	12463	12463	12463	12463	
5°	10726	10718	10826	10818	10866	885
15°	2166	2088	2115	2242	2283	678
25°	116	133	140	146	160	80
35°	25	25	22	24	24	16
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°	12463.4	12463.4	12463.4	12463.4	12463.4
1°	12405.3	12390.3	12402.3	12376.9	12429.1
2°	12206.9	12192.0	12192.0	12177.1	12184.5
3°	11837.0	11860.9	11846.0	11814.7	11854.9
4°	11333.0	11359.8	11383.7	11385.2	11391.1
5°	10726.0	10718.5	10825.9	10818.4	10866.2
6°	10034.0	10025.0	10071.3	10148.8	10244.3
7°	9273.4	9164.5	9288.3	9444.9	9573.1
8°	8289.1	8317.4	8402.4	8587.3	8690.2
9°	7453.9	7288.3	7468.8	7689.5	7801.4
10°	6383.1	6248.9	6442.7	6675.4	6763.4
12.5°	4017.8	3901.4	3964.1	4208.7	4247.4
15°	2165.5	2087.9	2114.8	2241.5	2283.3
17.5°	1105.1	1035.0	1020.1	1100.6	1109.6
20°	553.3	536.9	520.5	527.9	522.0
22.5°	256.5	278.9	275.9	261.0	278.9
25°	116.3	132.7	140.2	146.2	159.6
27.5°	71.6	68.6	79.0	85.0	86.5
30°	47.7	46.2	47.7	49.2	49.2
32.5°	34.3	32.8	31.3	31.3	32.8
35°	25.4	25.4	22.4	23.9	23.9
37.5°	17.9	17.9	16.4	17.9	17.9
40°	10.4	11.9	11.9	11.9	13.4
42.5°	6.0	7.5	7.5	7.5	7.5
45°	3.0	4.5	4.5	4.5	4.5
47.5°	1.5	1.5	1.5	3.0	3.0
50°	1.5	1.5	1.5	1.5	1.5
52.5°	1.5	0.0	0.0	0.0	1.5
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)