

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: P1307425

Luminaire Tested: LDSQA3D20R209024D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307425  
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: LDSQA3D20R209024D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

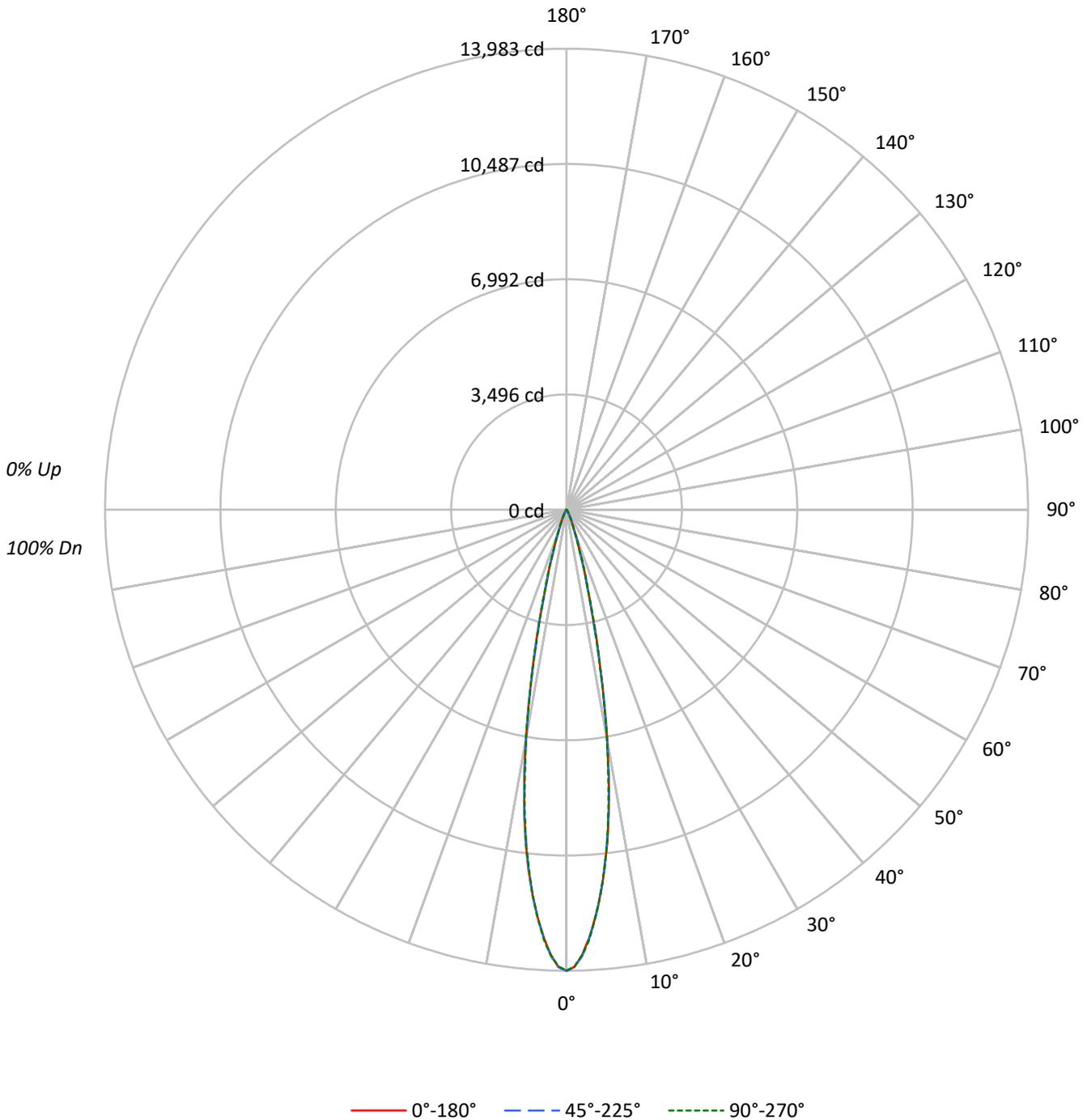
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1927.0 lumens  
Efficiency: N/A  
Efficacy: 66.9 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): 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





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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	91	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°	2408258	2408258	2408258
5°	2029807	2030585	2029548
10°	1236922	1231186	1234054
15°	435689	437561	451112
20°	136907	140719	137713
25°	51288	56096	52694
30°	19867	28159	20762
35°	7527	12531	8158
40°	4024	5373	4024
45°	1461	2533	1827
50°	804	1206	804
55°	901	901	901
60°	517	517	517
65°	611	611	611
70°	755	755	755
75°	0	0	998
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2533 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	970.7	50.4
10°-20°	761.1	39.5
20°-30°	149.5	7.8
30°-40°	33.5	1.7
40°-50°	7.6	0.4
50°-60°	2.4	0.1
60°-70°	1.5	0.1
70°-80°	0.6	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°	1881.3	97.6
0°-40°	1914.8	99.4
0°-60°	1924.9	99.9
0°-90°	1927.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1927.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	13983	13983	13983	13983	13983	
5°	11741	11752	11746	11786	11740	973
15°	2444	2454	2454	2508	2530	760
25°	270	288	295	291	277	142
35°	36	43	60	43	39	27
45°	6	9	10	9	8	6
55°	3	3	3	3	3	3
65°	2	2	2	2	2	1
75°	0	0	0	0	2	1
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°	13983.4	13983.4	13983.4	13983.4	13983.4
1°	13870.1	13840.3	13874.6	13847.8	13853.7
2°	13510.8	13494.4	13539.1	13510.8	13525.7
3°	13011.4	12990.5	13023.3	13024.8	13066.5
4°	12415.0	12374.7	12423.9	12425.4	12432.9
5°	11741.1	11751.5	11745.6	11785.8	11739.6
6°	10983.7	11018.0	10973.2	10995.6	10931.5
7°	10136.8	10093.6	10071.2	10078.7	10123.4
8°	9202.0	9172.2	9205.0	9158.8	9127.5
9°	8162.8	8110.7	8146.4	8101.7	8057.0
10°	7073.0	7049.1	7040.2	6989.5	7056.6
11°	5980.1	5908.6	5944.3	5919.0	5992.0
12°	4957.3	4963.3	4893.2	4915.6	4924.5
13°	4034.5	3939.0	3951.0	4012.1	4022.5
14°	3129.5	3142.9	3147.4	3190.6	3215.9
15°	2443.6	2454.1	2454.1	2507.7	2530.1
17.5°	1310.5	1310.5	1338.9	1344.8	1347.8
20°	747.0	751.4	767.8	766.3	751.4
22.5°	447.3	456.2	465.2	456.2	447.3
25°	269.9	287.7	295.2	290.7	277.3
27.5°	161.0	180.4	201.3	184.9	159.5
30°	99.9	110.3	141.6	113.3	104.4
32.5°	55.2	71.6	96.9	74.5	56.7
35°	35.8	43.2	59.6	43.2	38.8
37.5°	25.3	29.8	37.3	31.3	26.8
40°	17.9	20.9	23.9	22.4	17.9
42.5°	11.9	14.9	16.4	14.9	11.9
45°	6.0	8.9	10.4	8.9	7.5
47.5°	3.0	4.5	7.5	4.5	3.0
50°	3.0	3.0	4.5	3.0	3.0
52.5°	3.0	3.0	3.0	3.0	3.0
55°	3.0	3.0	3.0	3.0	3.0
57.5°	3.0	3.0	1.5	3.0	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.5	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	0.0	0.0	0.0	0.0	1.5
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)