

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: P1311897

Luminaire Tested: LDSQA3D24R209040D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311897  
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: LDSQA3D24R209040D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

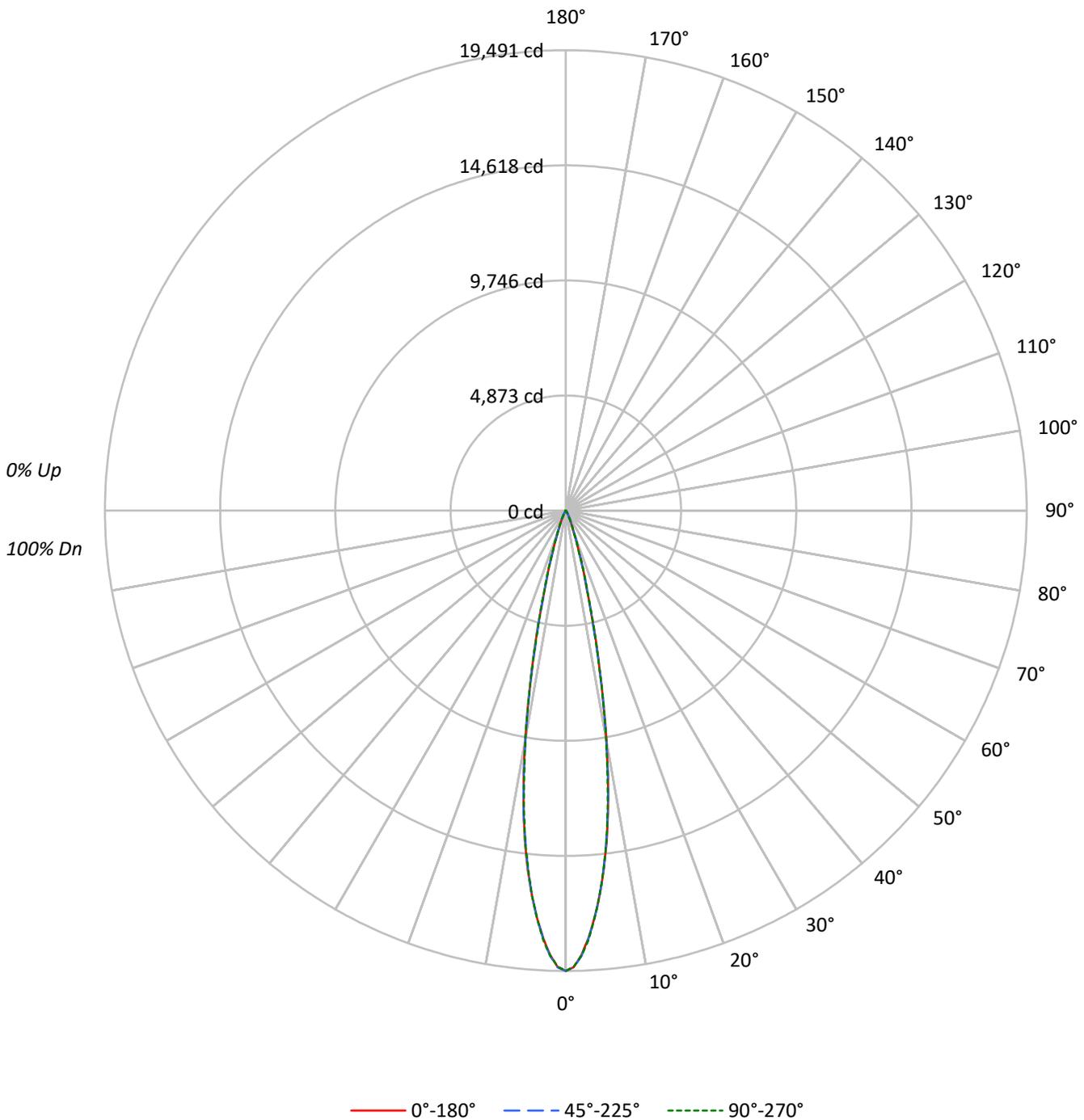
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2686.1 lumens  
Efficiency: N/A  
Efficacy: 93.3 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	87	85	83	87	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°	3356826	3356826	3356826
5°	2829293	2830365	2828930
10°	1724119	1716110	1720114
15°	607301	609904	628804
20°	190826	196160	191963
25°	71469	78196	73445
30°	27682	39256	28935
35°	10491	17471	11353
40°	5598	7487	5598
45°	2022	3532	2533
50°	1125	1661	1125
55°	1261	1261	1261
60°	723	723	723
65°	856	856	856
70°	1057	1057	1057
75°	0	0	1397
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3532 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1353.0	50.4
10°-20°	1060.9	39.5
20°-30°	208.3	7.8
30°-40°	46.8	1.7
40°-50°	10.6	0.4
50°-60°	3.4	0.1
60°-70°	2.1	0.1
70°-80°	0.9	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°	2622.3	97.6
0°-40°	2669.1	99.4
0°-60°	2683.1	99.9
0°-90°	2686.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2686.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	19491	19491	19491	19491	19491	
5°	16366	16380	16372	16428	16364	1356
15°	3406	3421	3421	3496	3527	1059
25°	376	401	412	405	386	198
35°	50	60	83	60	54	37
45°	8	12	14	12	10	8
55°	4	4	4	4	4	4
65°	2	2	2	2	2	2
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°	19491.2	19491.2	19491.2	19491.2	19491.2
1°	19333.2	19291.7	19339.5	19302.1	19310.4
2°	18832.4	18809.5	18871.9	18832.4	18853.2
3°	18136.2	18107.1	18152.8	18154.9	18213.1
4°	17304.9	17248.8	17317.4	17319.5	17329.9
5°	16365.6	16380.2	16371.8	16428.0	16363.5
6°	15309.9	15357.7	15295.4	15326.5	15237.2
7°	14129.5	14069.2	14038.1	14048.4	14110.8
8°	12826.5	12784.9	12830.6	12766.2	12722.6
9°	11378.0	11305.3	11355.1	11292.8	11230.4
10°	9858.9	9825.6	9813.1	9742.5	9836.0
11°	8335.6	8235.8	8285.7	8250.3	8352.2
12°	6909.9	6918.2	6820.6	6851.7	6864.2
13°	5623.5	5490.5	5507.2	5592.4	5606.9
14°	4362.1	4380.8	4387.0	4447.3	4482.6
15°	3406.1	3420.7	3420.7	3495.5	3526.7
17.5°	1826.7	1826.7	1866.2	1874.5	1878.7
20°	1041.2	1047.4	1070.3	1068.2	1047.4
22.5°	623.5	635.9	648.4	635.9	623.5
25°	376.1	401.1	411.5	405.2	386.5
27.5°	224.4	251.5	280.6	257.7	222.4
30°	139.2	153.8	197.4	157.9	145.5
32.5°	76.9	99.8	135.1	103.9	79.0
35°	49.9	60.3	83.1	60.3	54.0
37.5°	35.3	41.6	52.0	43.6	37.4
40°	24.9	29.1	33.3	31.2	24.9
42.5°	16.6	20.8	22.9	20.8	16.6
45°	8.3	12.5	14.5	12.5	10.4
47.5°	4.2	6.2	10.4	6.2	4.2
50°	4.2	4.2	6.2	4.2	4.2
52.5°	4.2	4.2	4.2	4.2	4.2
55°	4.2	4.2	4.2	4.2	4.2
57.5°	4.2	4.2	2.1	4.2	2.1
60°	2.1	2.1	2.1	2.1	2.1
62.5°	2.1	2.1	2.1	2.1	2.1
65°	2.1	2.1	2.1	2.1	2.1
67.5°	2.1	2.1	2.1	2.1	2.1
70°	2.1	2.1	2.1	2.1	2.1
72.5°	2.1	2.1	2.1	2.1	2.1
75°	0.0	0.0	0.0	0.0	2.1
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)