

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: P1310005

Luminaire Tested: LDSQA3D05R209035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310005  
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: LDSQA3D05R209035DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

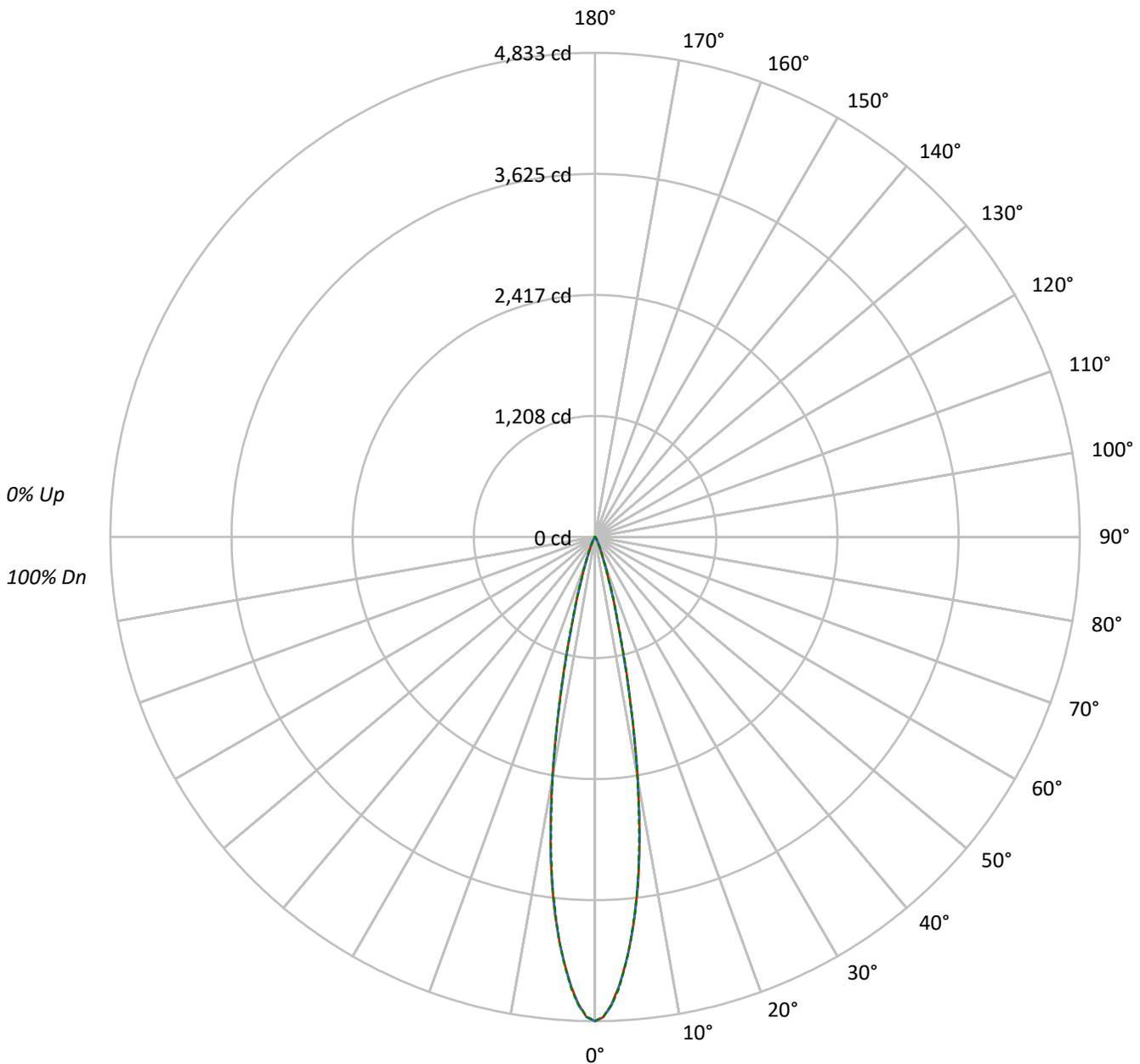
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 666.0 lumens  
Efficiency: N/A  
Efficacy: 92.5 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): 7.2  
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	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	92	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°	832335	832335	832335
5°	701532	701791	701445
10°	427493	425517	426513
15°	150590	151232	155904
20°	47322	48641	47597
25°	17729	19383	18205
30°	6861	9744	7179
35°	2607	4331	2817
40°	1394	1844	1394
45°	511	877	633
50°	268	402	268
55°	300	300	300
60°	172	172	172
65°	204	204	204
70°	252	252	252
75°	0	0	333
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 877 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	335.5	50.4
10°-20°	263.1	39.5
20°-30°	51.7	7.8
30°-40°	11.6	1.7
40°-50°	2.6	0.4
50°-60°	0.8	0.1
60°-70°	0.5	0.1
70°-80°	0.2	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°	650.2	97.6
0°-40°	661.8	99.4
0°-60°	665.2	99.9
0°-90°	666.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	666.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4833	4833	4833	4833	4833	
5°	4058	4062	4059	4073	4057	336
15°	845	848	848	867	874	263
25°	93	100	102	100	96	49
35°	12	15	21	15	13	9
45°	2	3	4	3	3	2
55°	1	1	1	1	1	1
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°	4832.9	4832.9	4832.9	4832.9	4832.9
1°	4793.7	4783.4	4795.3	4786.0	4788.1
2°	4669.5	4663.9	4679.3	4669.5	4674.7
3°	4496.9	4489.7	4501.0	4501.6	4516.0
4°	4290.8	4276.9	4293.9	4294.4	4297.0
5°	4057.9	4061.5	4059.4	4073.4	4057.4
6°	3796.1	3808.0	3792.5	3800.2	3778.1
7°	3503.4	3488.5	3480.8	3483.3	3498.8
8°	3180.4	3170.1	3181.4	3165.4	3154.6
9°	2821.2	2803.2	2815.5	2800.1	2784.6
10°	2444.5	2436.3	2433.2	2415.7	2438.9
11°	2066.8	2042.1	2054.5	2045.7	2070.9
12°	1713.3	1715.4	1691.2	1698.9	1702.0
13°	1394.4	1361.4	1365.5	1386.6	1390.2
14°	1081.6	1086.2	1087.8	1102.7	1111.5
15°	844.6	848.2	848.2	866.7	874.4
17.5°	452.9	452.9	462.7	464.8	465.8
20°	258.2	259.7	265.4	264.9	259.7
22.5°	154.6	157.7	160.8	157.7	154.6
25°	93.3	99.5	102.0	100.5	95.8
27.5°	55.7	62.3	69.6	63.9	55.1
30°	34.5	38.1	49.0	39.2	36.1
32.5°	19.1	24.7	33.5	25.8	19.6
35°	12.4	14.9	20.6	14.9	13.4
37.5°	8.8	10.3	12.9	10.8	9.3
40°	6.2	7.2	8.2	7.7	6.2
42.5°	4.1	5.2	5.7	5.2	4.1
45°	2.1	3.1	3.6	3.1	2.6
47.5°	1.0	1.5	2.6	1.5	1.0
50°	1.0	1.0	1.5	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	0.5	1.0	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.5
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)