

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: P1317154

Luminaire Tested: LDSQA3D05R209827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

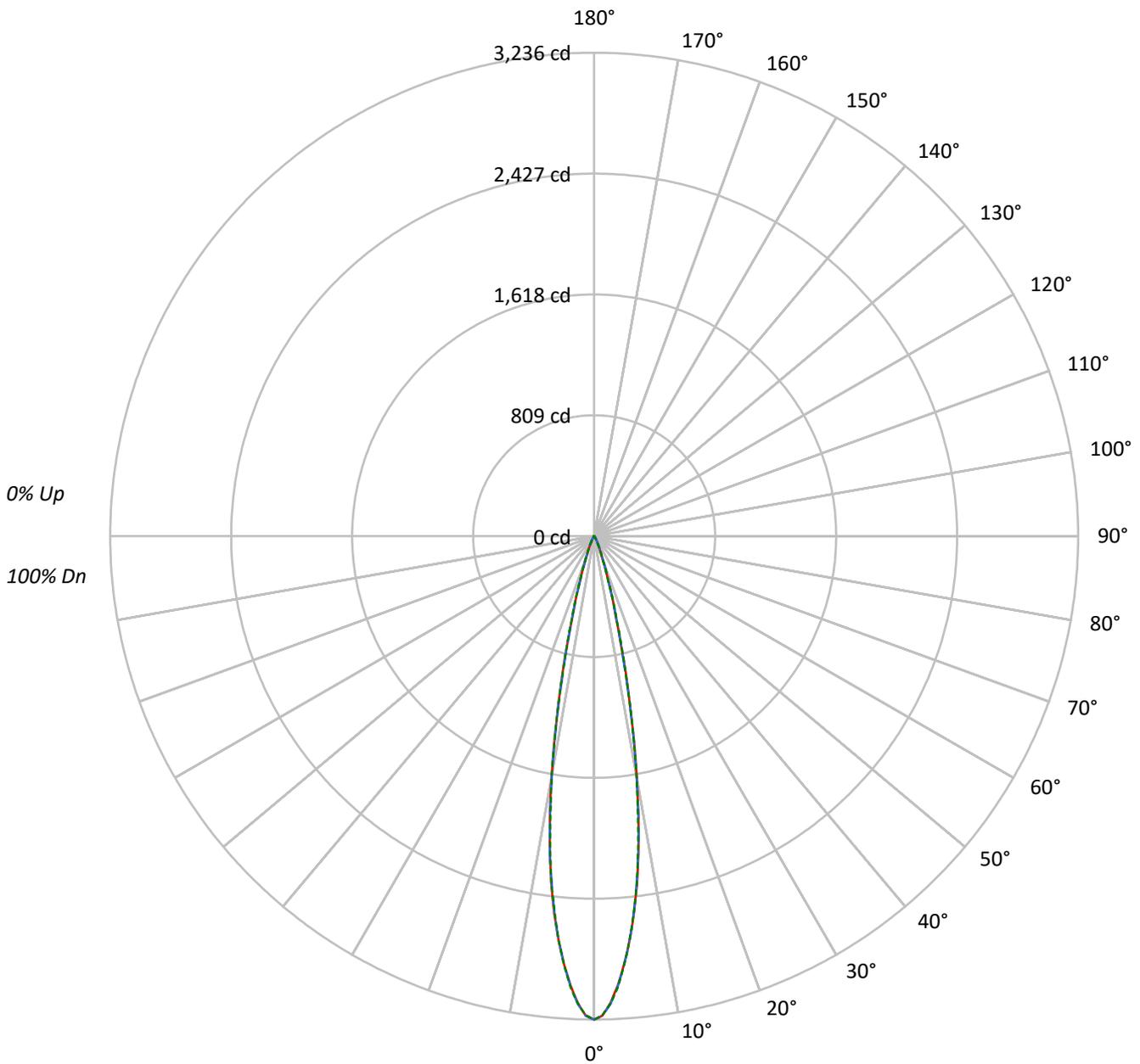
Test Method: LM-79-2019  
Report Number: P1317154  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R209827DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 445.9 lumens  
Efficiency: N/A  
Efficacy: 61.9 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): 7.2  
Input Voltage (V): NR  
Input Current (Ain): 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% Up  
100% Dn

— 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	91	88	99	94	90	88	92	90	87	92	89	87	91	88	87	91	88	87	86
8	98	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°	557381	557381	557381
5°	469785	469976	469734
10°	286278	284949	285613
15°	100845	101273	104411
20°	31688	32568	31872
25°	11877	12979	12200
30°	4594	6523	4813
35°	1745	2901	1892
40°	922	1237	922
45°	341	585	414
50°	188	268	188
55°	210	210	210
60°	103	103	103
65°	122	122	122
70°	151	151	151
75°	0	0	200
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 585 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.7	50.4
10°-20°	176.2	39.5
20°-30°	34.6	7.8
30°-40°	7.8	1.7
40°-50°	1.8	0.4
50°-60°	0.6	0.1
60°-70°	0.3	0.1
70°-80°	0.1	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°	435.4	97.6
0°-40°	443.2	99.4
0°-60°	445.5	99.9
0°-90°	445.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	445.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3236	3236	3236	3236	3236	
5°	2717	2720	2718	2728	2717	225
15°	566	568	568	580	586	176
25°	62	67	68	67	64	33
35°	8	10	14	10	9	6
45°	1	2	2	2	2	1
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°	3236.4	3236.4	3236.4	3236.4	3236.4
1°	3210.2	3203.3	3211.2	3205.0	3206.4
2°	3127.0	3123.3	3133.6	3127.0	3130.5
3°	3011.4	3006.6	3014.2	3014.6	3024.2
4°	2873.4	2864.1	2875.5	2875.8	2877.6
5°	2717.4	2719.9	2718.5	2727.8	2717.1
6°	2542.2	2550.1	2539.7	2544.9	2530.1
7°	2346.1	2336.1	2331.0	2332.7	2343.0
8°	2129.8	2122.9	2130.5	2119.8	2112.5
9°	1889.3	1877.2	1885.5	1875.1	1864.8
10°	1637.0	1631.5	1629.4	1617.7	1633.2
11°	1384.1	1367.5	1375.8	1369.9	1386.8
12°	1147.4	1148.7	1132.5	1137.7	1139.8
13°	933.8	911.7	914.4	928.6	931.0
14°	724.3	727.4	728.4	738.5	744.3
15°	565.6	568.0	568.0	580.4	585.6
17.5°	303.3	303.3	309.9	311.3	311.9
20°	172.9	173.9	177.7	177.4	173.9
22.5°	103.5	105.6	107.7	105.6	103.5
25°	62.5	66.6	68.3	67.3	64.2
27.5°	37.3	41.8	46.6	42.8	36.9
30°	23.1	25.5	32.8	26.2	24.2
32.5°	12.8	16.6	22.4	17.3	13.1
35°	8.3	10.0	13.8	10.0	9.0
37.5°	5.9	6.9	8.6	7.2	6.2
40°	4.1	4.8	5.5	5.2	4.1
42.5°	2.8	3.5	3.8	3.5	2.8
45°	1.4	2.1	2.4	2.1	1.7
47.5°	0.7	1.0	1.7	1.0	0.7
50°	0.7	0.7	1.0	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.3	0.7	0.3
60°	0.3	0.3	0.3	0.3	0.3
62.5°	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.0	0.0	0.3
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)