

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: P1320407

Luminaire Tested: LDSQA3D20R309840D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320407  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R309840D010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

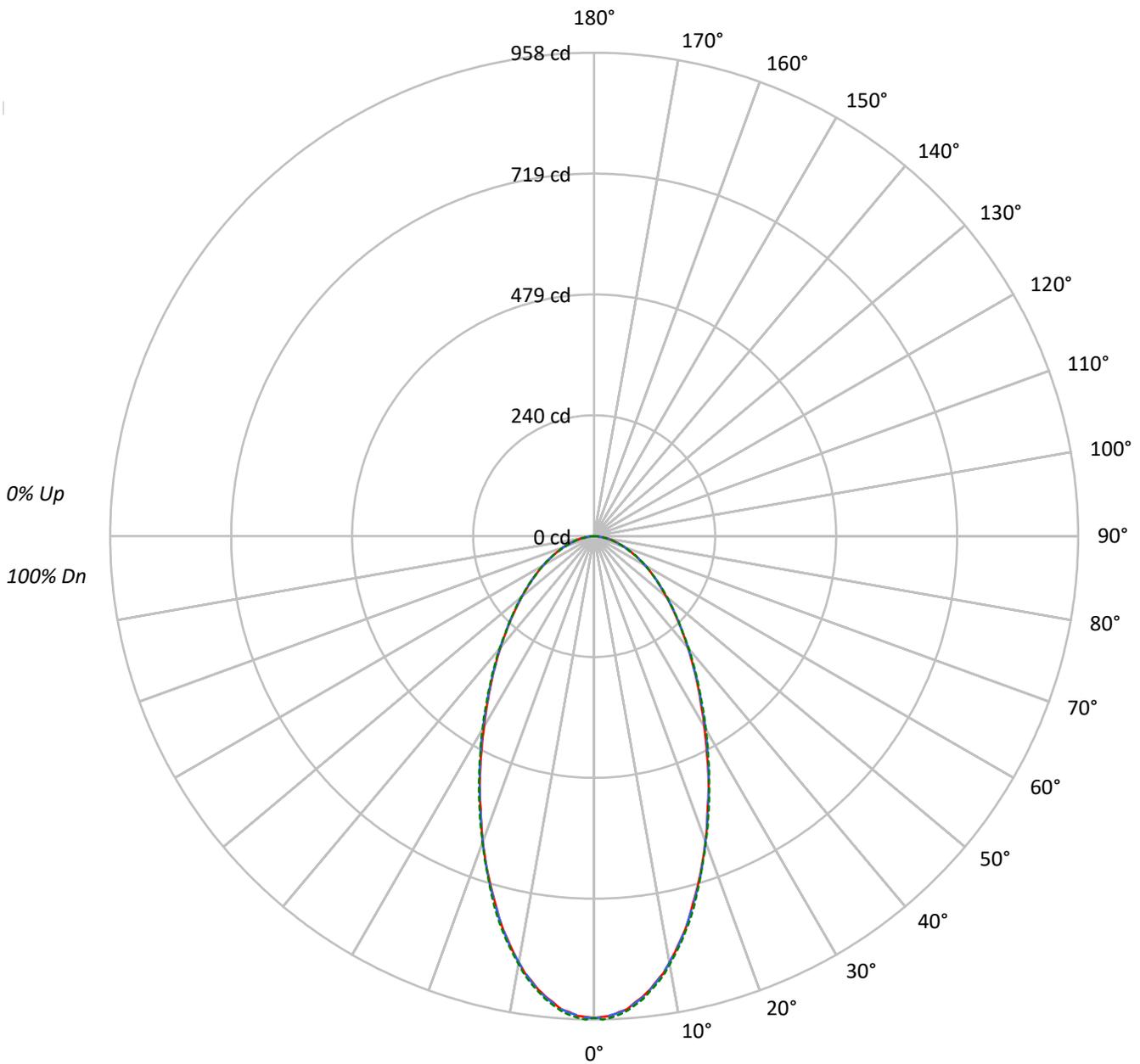
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1226.0 lumens  
Efficiency: N/A  
Efficacy: 44.7 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.4  
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		0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102		100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90		88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79		77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70		68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62		60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56		54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51		49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47		45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43		41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40		38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37		35

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	164438	164438	164438
5°	160381	160658	161246
10°	150064	150064	150659
15°	134561	134865	135774
20°	118103	118103	118414
25°	101835	101835	102481
30°	86666	87680	88018
35°	74868	75226	75583
40°	64816	65198	65580
45°	56579	56993	56993
50°	49969	49969	50425
55°	44799	44799	44799
60°	40300	40300	40300
65°	35943	35943	35943
70°	32428	32428	32428
75°	29345	28214	28214
80°	25191	23505	23505
85°	16796	16796	16796

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 56993 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.5	7.1
10°-20°	210.8	17.2
20°-30°	246.2	20.1
30°-40°	224.0	18.3
40°-50°	181.0	14.8
50°-60°	133.6	10.9
60°-70°	88.0	7.2
70°-80°	45.5	3.7
80°-90°	10.4	0.8
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°	543.5	44.3
0°-40°	767.5	62.6
0°-60°	1082.1	88.3
0°-90°	1226.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1226.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	955	955	955	955	955	
5°	928	928	929	929	933	86
15°	755	756	756	756	762	211
25°	536	534	536	536	539	246
35°	356	354	358	358	360	223
45°	232	234	234	234	234	180
55°	149	148	149	148	149	134
65°	88	88	88	88	88	88
75°	44	42	42	42	42	47
85°	8	8	8	8	8	10
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	954.8	954.8	954.8	954.8	954.8
1°	953.1	953.1	954.8	953.1	958.2
2°	951.4	949.7	949.7	949.7	954.8
3°	944.6	944.6	946.3	944.6	949.7
4°	939.5	937.8	939.5	937.8	942.9
5°	927.7	927.7	929.3	929.3	932.7
6°	917.5	917.5	919.2	917.5	922.6
7°	905.6	905.6	905.6	905.6	909.0
8°	890.3	890.3	892.0	892.0	895.4
9°	876.8	875.1	875.1	875.1	880.2
10°	858.1	858.1	858.1	858.1	861.5
11°	839.5	839.5	839.5	839.5	842.9
12°	819.1	819.1	820.8	819.1	824.2
13°	800.5	800.5	800.5	800.5	803.9
14°	778.4	776.7	778.4	778.4	783.5
15°	754.7	756.4	756.4	756.4	761.5
17.5°	700.4	700.4	702.1	698.7	702.1
20°	644.4	642.7	644.4	644.4	646.1
22.5°	586.8	588.5	588.5	588.5	591.9
25°	535.9	534.2	535.9	535.9	539.3
27.5°	483.3	485.0	486.7	485.0	488.4
30°	435.8	439.2	440.9	437.5	442.6
32.5°	393.4	393.4	395.1	396.8	398.5
35°	356.1	354.4	357.8	357.8	359.5
37.5°	320.5	320.5	320.5	322.2	323.9
40°	288.3	288.3	290.0	290.0	291.7
42.5°	259.5	257.8	259.5	259.5	259.5
45°	232.3	234.0	234.0	234.0	234.0
47.5°	208.6	208.6	210.3	208.6	210.3
50°	186.5	186.5	186.5	186.5	188.2
52.5°	166.2	166.2	166.2	166.2	167.9
55°	149.2	147.5	149.2	147.5	149.2
57.5°	132.3	132.3	132.3	132.3	132.3
60°	117.0	115.3	117.0	115.3	117.0
62.5°	101.8	101.8	101.8	101.8	101.8
65°	88.2	88.2	88.2	88.2	88.2
67.5°	76.3	76.3	76.3	74.6	74.6
70°	64.4	64.4	64.4	64.4	64.4
72.5°	54.3	52.6	52.6	52.6	52.6
75°	44.1	42.4	42.4	42.4	42.4
77.5°	33.9	33.9	32.2	32.2	33.9
80°	25.4	23.7	23.7	23.7	23.7
82.5°	15.3	15.3	15.3	15.3	15.3
85°	8.5	8.5	8.5	8.5	8.5
87.5°	1.7	1.7	1.7	3.4	3.4



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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)