

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: P1316903

Luminaire Tested: LDSQA3D20R309740D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316903  
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: LDSQA3D20R309740D010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

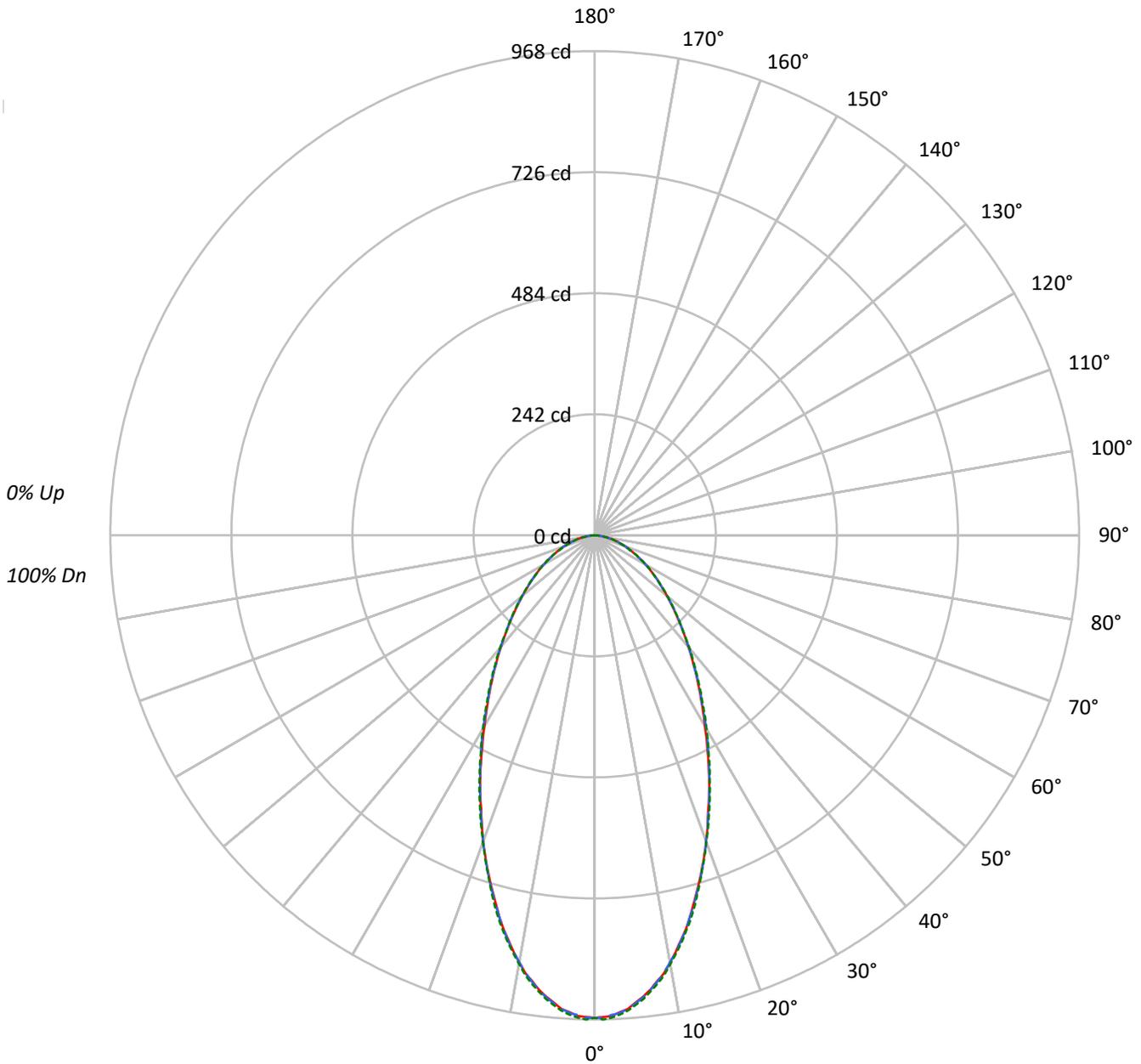
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1239.0 lumens  
Efficiency: N/A  
Efficacy: 43.0 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): 28.8  
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°-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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	88	
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	77	
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	70	68	
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	60	
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	54	
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	49	
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	45	
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	41	
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	38	
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	35	

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

	0°	45°	90°
0°	166178	166178	166178
5°	162075	162369	162957
10°	151655	151655	152250
15°	135988	136291	137200
20°	119367	119367	119679
25°	102918	102918	103565
30°	87600	88615	88953
35°	75667	76025	76382
40°	65513	65895	66277
45°	57188	57602	57602
50°	50505	50505	50960
55°	45279	45279	45279
60°	40748	40748	40748
65°	36309	36309	36309
70°	32781	32781	32781
75°	29678	28480	28480
80°	25489	23803	23803
85°	16994	16994	16994

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 57602 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.4	7.1
10°-20°	213.0	17.2
20°-30°	248.9	20.1
30°-40°	226.4	18.3
40°-50°	182.9	14.8
50°-60°	135.1	10.9
60°-70°	88.9	7.2
70°-80°	46.0	3.7
80°-90°	10.5	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°	549.3	44.3
0°-40°	775.7	62.6
0°-60°	1093.6	88.3
0°-90°	1239.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1239.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	965	965	965	965	965	
5°	938	938	939	939	943	87
15°	763	764	764	764	770	213
25°	542	540	542	542	545	248
35°	360	358	362	362	363	225
45°	235	236	236	236	236	182
55°	151	149	151	149	151	135
65°	89	89	89	89	89	89
75°	45	43	43	43	43	47
85°	9	9	9	9	9	10
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	964.9	964.9	964.9	964.9	964.9
1°	963.2	963.2	964.9	963.2	968.3
2°	961.5	959.8	959.8	959.8	964.9
3°	954.6	954.6	956.3	954.6	959.8
4°	949.5	947.8	949.5	947.8	952.9
5°	937.5	937.5	939.2	939.2	942.6
6°	927.2	927.2	928.9	927.2	932.3
7°	915.2	915.2	915.2	915.2	918.6
8°	899.8	899.8	901.5	901.5	904.9
9°	886.1	884.4	884.4	884.4	889.5
10°	867.2	867.2	867.2	867.2	870.6
11°	848.4	848.4	848.4	848.4	851.8
12°	827.8	827.8	829.5	827.8	832.9
13°	808.9	808.9	808.9	808.9	812.4
14°	786.7	785.0	786.7	786.7	791.8
15°	762.7	764.4	764.4	764.4	769.5
17.5°	707.8	707.8	709.5	706.1	709.5
20°	651.3	649.6	651.3	651.3	653.0
22.5°	593.0	594.7	594.7	594.7	598.1
25°	541.6	539.9	541.6	541.6	545.0
27.5°	488.5	490.2	491.9	490.2	493.6
30°	440.5	443.9	445.6	442.2	447.3
32.5°	397.6	397.6	399.3	401.0	402.8
35°	359.9	358.2	361.6	361.6	363.3
37.5°	323.9	323.9	323.9	325.6	327.4
40°	291.4	291.4	293.1	293.1	294.8
42.5°	262.2	260.5	262.2	262.2	262.2
45°	234.8	236.5	236.5	236.5	236.5
47.5°	210.8	210.8	212.5	210.8	212.5
50°	188.5	188.5	188.5	188.5	190.2
52.5°	168.0	168.0	168.0	168.0	169.7
55°	150.8	149.1	150.8	149.1	150.8
57.5°	133.7	133.7	133.7	133.7	133.7
60°	118.3	116.5	118.3	116.5	118.3
62.5°	102.8	102.8	102.8	102.8	102.8
65°	89.1	89.1	89.1	89.1	89.1
67.5°	77.1	77.1	77.1	75.4	75.4
70°	65.1	65.1	65.1	65.1	65.1
72.5°	54.8	53.1	53.1	53.1	53.1
75°	44.6	42.8	42.8	42.8	42.8
77.5°	34.3	34.3	32.6	32.6	34.3
80°	25.7	24.0	24.0	24.0	24.0
82.5°	15.4	15.4	15.4	15.4	15.4
85°	8.6	8.6	8.6	8.6	8.6
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)