

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: P1311809

Luminaire Tested: LDSQA3D20R359040D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311809  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R359040D010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

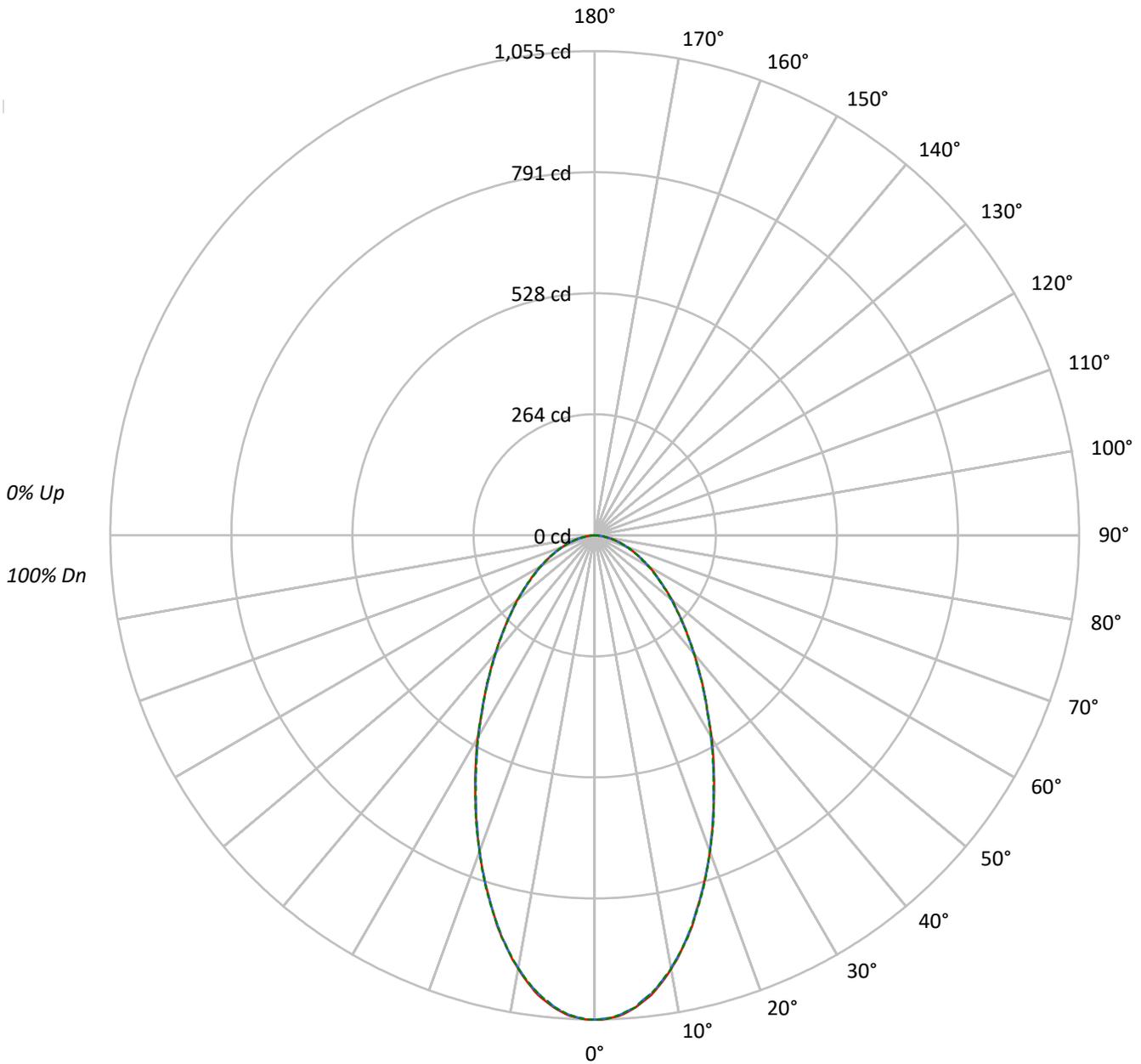
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1410.0 lumens  
Efficiency: N/A  
Efficacy: 49.0 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
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	100	100	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88	88	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	77	77	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68	68	68
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	60	60	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54	54	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49	49	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	44	44	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	41	41	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	38	38	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35	35	35

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

	0°	45°	90°
0°	181764	181764	181764
5°	178378	178067	178378
10°	167709	167395	167709
15°	151839	151839	152160
20°	134396	134396	134396
25°	116885	116524	116524
30°	101322	100606	100964
35°	87231	86852	87231
40°	75675	75270	75675
45°	66492	66029	66029
50°	58998	58516	58516
55°	51915	51915	51915
60°	47017	46397	47017
65°	42259	42259	42259
70°	37564	37564	37564
75°	33936	32672	33936
80°	28861	28861	28861
85°	17982	17982	17982

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 66492 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.0	6.8
10°-20°	237.6	16.8
20°-30°	282.3	20.0
30°-40°	259.4	18.4
40°-50°	210.6	14.9
50°-60°	155.9	11.1
60°-70°	103.0	7.3
70°-80°	53.4	3.8
80°-90°	12.0	0.9
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°	615.8	43.7
0°-40°	875.2	62.1
0°-60°	1241.7	88.1
0°-90°	1410.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1410.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1055	1055	1055	1055	1055	
5°	1032	1030	1030	1030	1032	96
15°	852	852	852	852	853	238
25°	615	613	613	615	613	283
35°	415	413	413	415	415	260
45°	273	271	271	271	271	211
55°	173	173	173	173	173	156
65°	104	104	104	104	104	103
75°	51	51	49	51	51	54
85°	9	9	9	9	9	12
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1055.4	1055.4	1055.4	1055.4	1055.4
1°	1055.4	1053.6	1053.6	1053.6	1055.4
2°	1051.8	1051.8	1051.8	1051.8	1051.8
3°	1048.2	1046.3	1046.3	1046.3	1046.3
4°	1040.9	1039.1	1039.1	1039.1	1039.1
5°	1031.8	1030.0	1030.0	1030.0	1031.8
6°	1020.9	1019.0	1017.2	1017.2	1019.0
7°	1009.9	1006.3	1006.3	1006.3	1006.3
8°	993.6	991.7	991.7	991.7	991.7
9°	977.2	973.6	975.4	975.4	975.4
10°	959.0	957.2	957.2	957.2	959.0
11°	940.8	939.0	939.0	937.2	939.0
12°	919.0	919.0	919.0	919.0	919.0
13°	898.9	897.1	897.1	897.1	898.9
14°	877.1	875.3	875.3	875.3	875.3
15°	851.6	851.6	851.6	851.6	853.4
17.5°	793.4	791.6	793.4	793.4	795.2
20°	733.3	731.5	733.3	733.3	733.3
22.5°	673.3	673.3	671.5	673.3	675.1
25°	615.1	613.2	613.2	615.1	613.2
27.5°	560.5	558.7	558.7	558.7	558.7
30°	509.5	505.9	505.9	507.7	507.7
32.5°	456.8	456.8	458.6	456.8	456.8
35°	414.9	413.1	413.1	414.9	414.9
37.5°	373.0	371.2	371.2	373.0	373.0
40°	336.6	336.6	334.8	336.6	336.6
42.5°	302.1	302.1	302.1	302.1	302.1
45°	273.0	271.1	271.1	271.1	271.1
47.5°	243.8	243.8	243.8	242.0	243.8
50°	220.2	218.4	218.4	218.4	218.4
52.5°	194.7	194.7	194.7	194.7	194.7
55°	172.9	172.9	172.9	172.9	172.9
57.5°	154.7	152.9	152.9	152.9	152.9
60°	136.5	136.5	134.7	136.5	136.5
62.5°	118.3	118.3	118.3	118.3	118.3
65°	103.7	103.7	103.7	103.7	103.7
67.5°	89.2	89.2	89.2	89.2	89.2
70°	74.6	74.6	74.6	74.6	74.6
72.5°	63.7	61.9	61.9	61.9	61.9
75°	51.0	51.0	49.1	51.0	51.0
77.5°	38.2	38.2	38.2	38.2	38.2
80°	29.1	29.1	29.1	27.3	29.1
82.5°	18.2	18.2	18.2	18.2	18.2
85°	9.1	9.1	9.1	9.1	9.1
87.5°	1.8	1.8	1.8	3.6	3.6



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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)