

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: P1306820

Luminaire Tested: LDSQA3D05R259024DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306820  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R259024DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

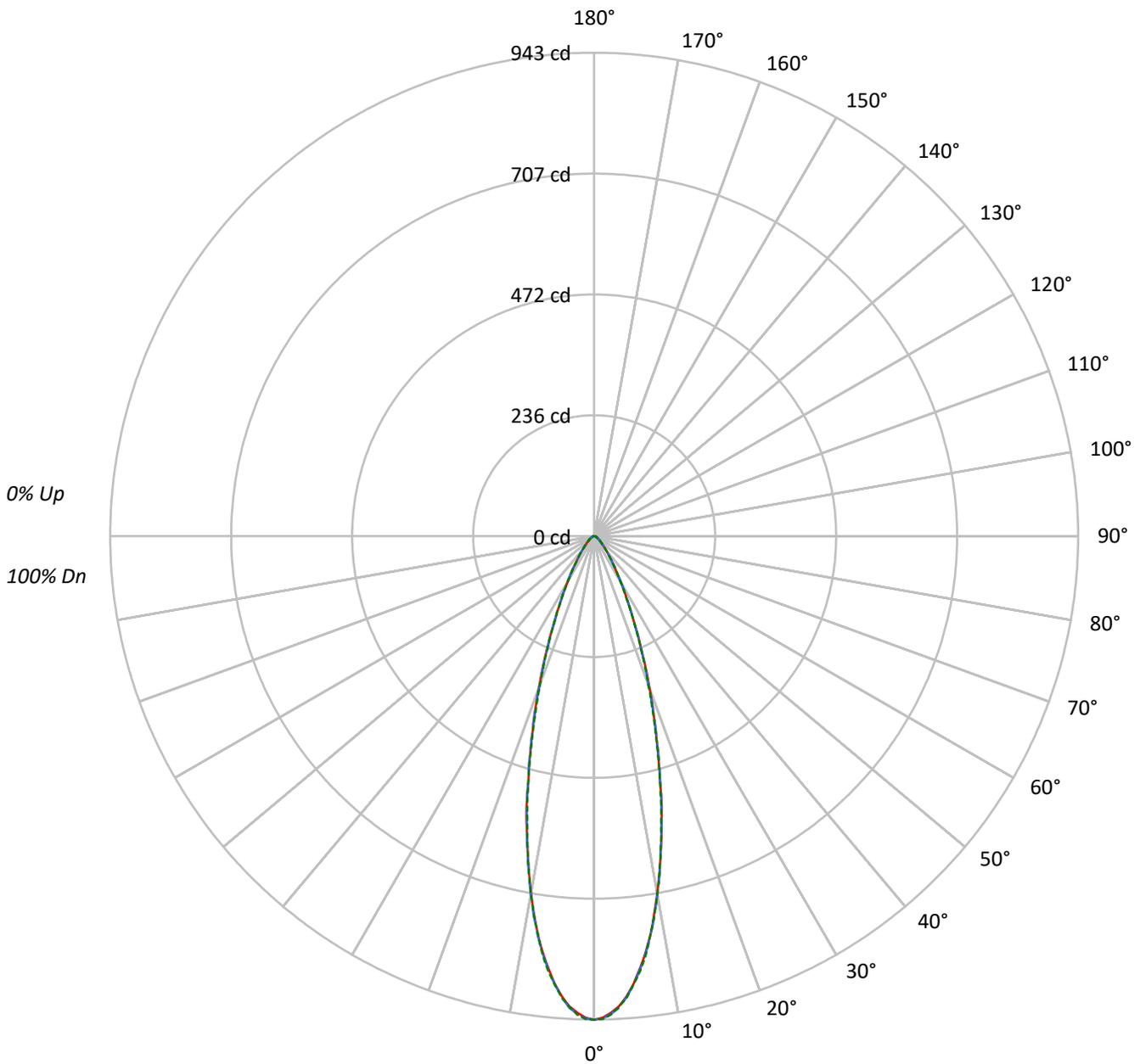
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 378.0 lumens  
Efficiency: N/A  
Efficacy: 52.5 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
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°-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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73	79	76	73	78	75	72	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	67	63	60	59

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

	0°	45°	90°
0°	162475	162475	162475
5°	151651	151806	151876
10°	123692	124077	124077
15°	88347	88828	88347
20°	57823	57255	56449
25°	34376	34547	34376
30°	20702	20702	20622
35°	12615	12720	12615
40°	8026	8139	8139
45°	5578	5578	5578
50°	4019	4126	4126
55°	3183	3183	3303
60°	2583	2721	2721
65°	2323	2323	2323
70°	2014	2014	2216
75°	1730	1730	2063
80°	1785	1785	1785
85°	790	790	790

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5578 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.4	20.7
10°-20°	136.6	36.2
20°-30°	85.9	22.7
30°-40°	39.3	10.4
40°-50°	18.3	4.9
50°-60°	9.9	2.6
60°-70°	5.8	1.5
70°-80°	3.0	0.8
80°-90°	0.7	0.2
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°	300.9	79.6
0°-40°	340.2	90.0
0°-60°	368.4	97.5
0°-90°	378.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	378.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	943	943	943	943	943	
5°	877	879	878	879	878	78
15°	496	499	498	499	496	137
25°	181	183	182	182	181	86
35°	60	60	60	60	60	39
45°	23	23	23	23	23	18
55°	11	11	11	11	11	10
65°	6	6	6	6	6	6
75°	3	3	3	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	943.4	943.4	943.4	943.4	943.4
1°	939.4	940.3	941.2	942.5	942.1
2°	930.6	932.4	932.8	934.6	934.1
3°	918.7	918.2	921.8	921.8	919.6
4°	900.1	901.0	901.9	902.8	903.2
5°	877.2	879.0	878.1	879.0	878.5
6°	849.0	851.6	851.2	852.0	853.4
7°	819.0	820.7	820.7	819.8	823.4
8°	786.3	785.0	787.2	786.3	785.9
9°	747.5	750.1	750.6	748.4	749.2
10°	707.3	709.1	709.5	710.8	709.5
11°	667.6	667.6	668.5	670.7	667.2
12°	624.4	628.3	624.4	626.1	624.4
13°	583.3	584.2	583.3	582.9	579.8
14°	544.5	541.4	542.3	538.8	539.2
15°	495.5	498.6	498.2	499.0	495.5
17.5°	398.4	400.2	399.8	398.9	394.5
20°	315.5	315.5	312.4	310.6	308.0
22.5°	240.9	240.0	238.7	237.4	238.3
25°	180.9	183.1	181.8	181.8	180.9
27.5°	136.8	139.4	137.2	135.9	136.8
30°	104.1	105.0	104.1	103.7	103.7
32.5°	78.5	79.0	78.5	78.5	78.5
35°	60.0	60.0	60.5	60.5	60.0
37.5°	46.3	46.3	46.3	46.3	46.8
40°	35.7	36.2	36.2	36.2	36.2
42.5°	28.2	28.7	28.7	28.7	28.7
45°	22.9	22.9	22.9	22.9	22.9
47.5°	18.5	18.5	18.5	18.5	19.0
50°	15.0	15.4	15.4	15.4	15.4
52.5°	12.8	12.8	12.8	12.8	12.8
55°	10.6	10.6	10.6	11.0	11.0
57.5°	8.8	8.8	9.3	9.3	9.3
60°	7.5	7.9	7.9	7.9	7.9
62.5°	6.6	6.6	7.1	7.1	7.1
65°	5.7	5.7	5.7	5.7	5.7
67.5°	4.9	4.9	4.9	4.9	5.3
70°	4.0	4.0	4.0	4.4	4.4
72.5°	3.5	3.5	3.5	3.5	3.5
75°	2.6	2.6	2.6	3.1	3.1
77.5°	2.2	2.2	2.2	2.2	2.2
80°	1.8	1.8	1.8	1.8	1.8
82.5°	0.9	0.9	1.3	1.3	1.3
85°	0.4	0.4	0.4	0.4	0.4
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)