

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: P1318940

Luminaire Tested: LDSQA3D05R309835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318940  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R309835DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

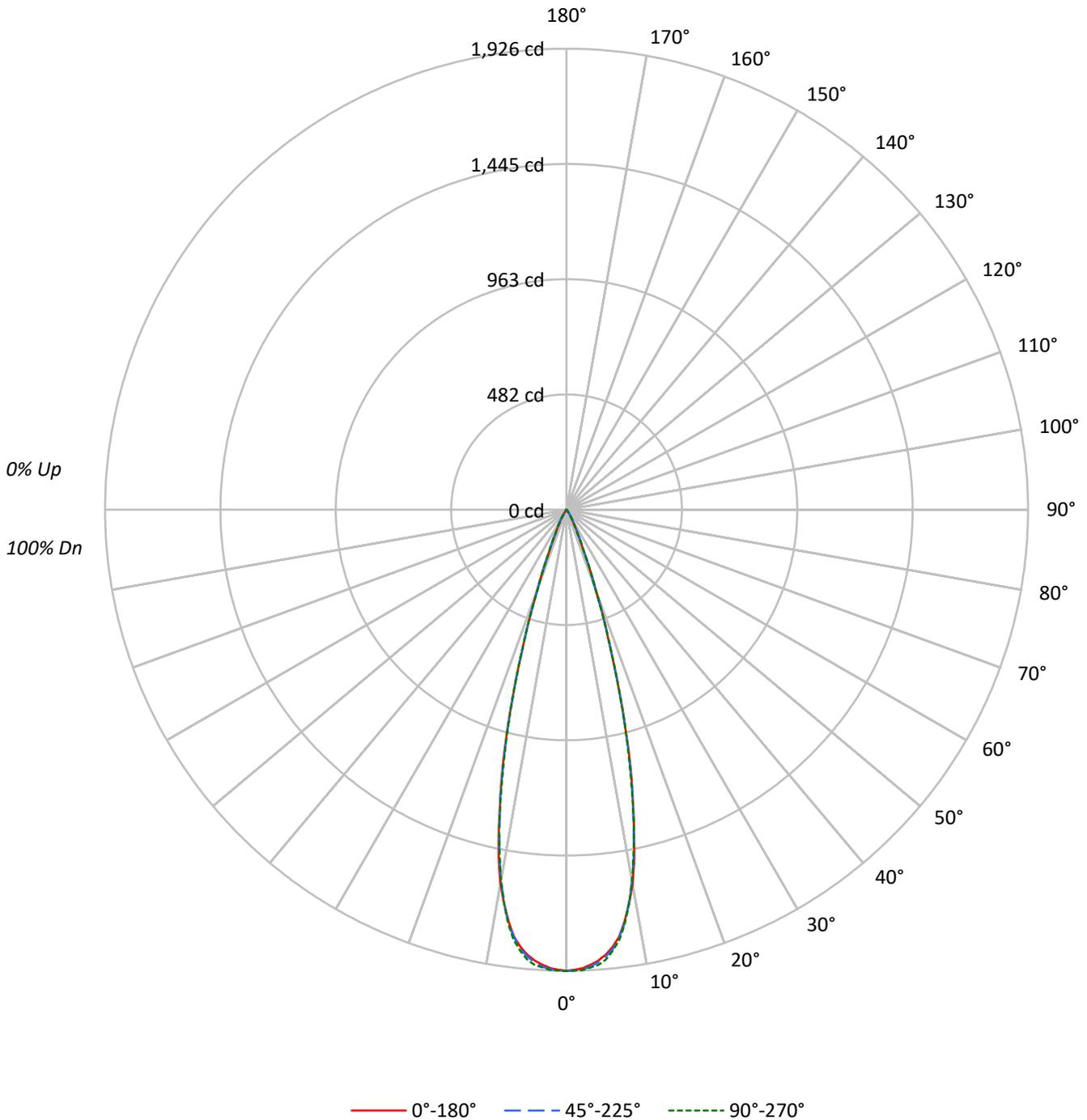
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 501.1 lumens  
Efficiency: N/A  
Efficacy: 69.6 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
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 (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





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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	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	85	84	83
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83	82	81
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81	80	79
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	77	76
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	75	74
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	73	72

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

	0°	45°	90°
0°	331752	331752	331752
5°	322664	324065	326070
10°	277464	275103	275365
15°	170489	169116	169258
20°	64880	65026	63817
25°	20637	21739	20713
30°	8293	10301	8531
35°	2691	4541	2691
40°	1214	2001	1214
45°	463	852	463
50°	214	402	214
55°	240	240	240
60°	276	276	276
65°	163	163	163
70°	201	201	201
75°	266	266	266
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 852 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	169.9	33.9
10°-20°	252.1	50.3
20°-30°	62.6	12.5
30°-40°	12.5	2.5
40°-50°	2.3	0.5
50°-60°	0.7	0.1
60°-70°	0.5	0.1
70°-80°	0.4	0.1
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°	484.6	96.7
0°-40°	497.1	99.2
0°-60°	500.2	99.8
0°-90°	501.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	501.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1926	1926	1926	1926	1926	
5°	1866	1873	1874	1877	1886	170
15°	956	958	948	952	949	253
25°	109	111	114	113	109	61
35°	13	17	22	16	13	10
45°	2	2	4	3	2	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1926.3	1926.3	1926.3	1926.3	1926.3
1°	1922.1	1924.4	1926.0	1926.0	1926.0
2°	1916.7	1918.2	1920.5	1920.9	1924.0
3°	1903.9	1907.4	1911.3	1913.6	1915.1
4°	1888.5	1893.1	1895.4	1901.2	1906.2
5°	1866.4	1872.6	1874.5	1877.3	1886.1
6°	1836.7	1841.3	1845.2	1846.3	1851.7
7°	1797.2	1799.6	1798.8	1800.7	1810.4
8°	1737.3	1738.1	1744.7	1740.4	1747.0
9°	1666.2	1663.1	1661.6	1664.7	1665.1
10°	1586.6	1576.2	1573.1	1570.4	1574.6
11°	1483.4	1469.9	1471.0	1470.3	1464.1
12°	1355.1	1353.5	1343.5	1345.4	1354.7
13°	1224.1	1226.8	1224.8	1227.2	1216.7
14°	1101.2	1088.0	1091.5	1078.3	1083.4
15°	956.2	958.1	948.5	951.6	949.3
17.5°	612.2	616.5	613.4	610.7	614.9
20°	354.0	353.7	354.8	351.3	348.2
22.5°	186.3	189.0	192.5	192.9	195.2
25°	108.6	110.9	114.4	112.9	109.0
27.5°	66.5	70.7	76.1	72.3	67.6
30°	41.7	45.2	51.8	45.6	42.9
32.5°	23.6	28.6	34.0	28.6	23.6
35°	12.8	16.6	21.6	16.2	12.8
37.5°	8.5	9.7	14.3	9.7	8.5
40°	5.4	6.6	8.9	6.6	5.4
42.5°	3.1	4.3	5.0	4.3	3.1
45°	1.9	2.3	3.5	2.7	1.9
47.5°	0.8	1.2	2.3	1.2	1.2
50°	0.8	0.8	1.5	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	0.8
60°	0.8	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
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)