

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: P1313846

Luminaire Tested: LDSQA3D17R359727DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313846  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359727DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

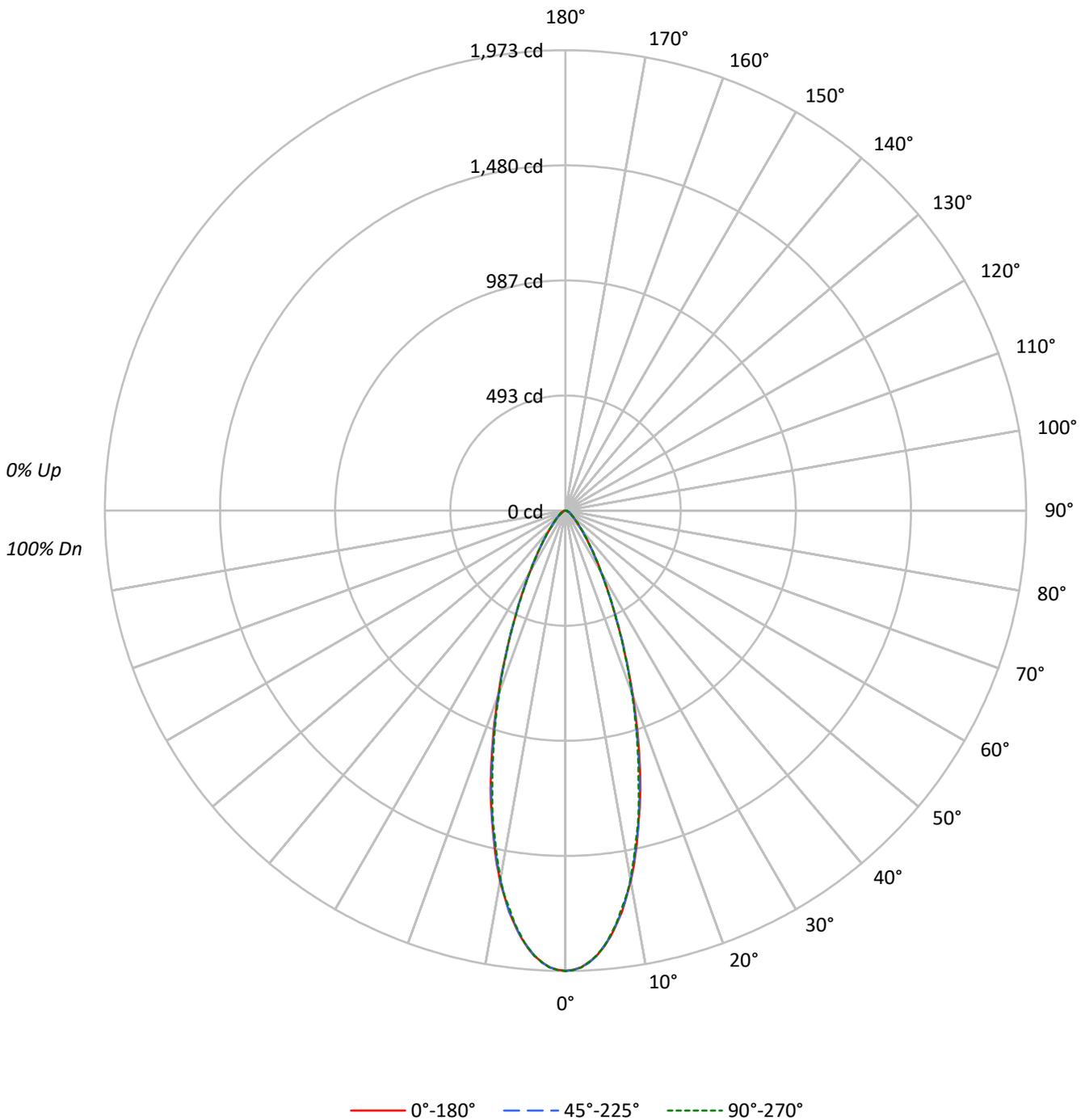
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 973.0 lumens  
Efficiency: N/A  
Efficacy: 45.9 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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





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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	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	95	95	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	83	83	82	82
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	78	78	77	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	74	74	73	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	70	70	69	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	66	66	65	65
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	63	63	62	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	60	60	59	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	57	57	56	56

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

	0°	45°	90°
0°	339778	339778	339778
5°	324687	324116	324687
10°	281871	280926	280542
15°	220876	219128	215669
20°	154520	153127	152137
25°	98130	98738	98130
30°	60455	60893	60455
35°	37403	37634	37634
40°	23764	23988	23988
45°	16026	16270	16538
50°	11548	11843	11843
55°	9068	9068	9068
60°	7440	7440	7440
65°	6602	6602	6602
70°	5992	5992	5992
75°	4991	4991	4991
80°	4265	4265	4265
85°	2174	2174	4347

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 16538 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.5	17.5
10°-20°	335.7	34.5
20°-30°	242.2	24.9
30°-40°	116.8	12.0
40°-50°	53.8	5.5
50°-60°	27.9	2.9
60°-70°	16.1	1.7
70°-80°	8.1	0.8
80°-90°	1.9	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°	748.4	76.9
0°-40°	865.2	88.9
0°-60°	946.9	97.3
0°-90°	973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	973.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1973	1973	1973	1973	1973	
5°	1878	1882	1875	1876	1878	171
15°	1239	1237	1229	1224	1210	338
25°	516	518	520	520	516	242
35°	178	178	179	179	179	116
45°	66	67	67	68	68	53
55°	30	30	30	30	30	27
65°	16	16	16	16	16	16
75°	8	8	8	8	8	8
85°	1	1	1	1	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1972.9	1972.9	1972.9	1972.9	1972.9
1°	1967.6	1970.8	1969.7	1970.8	1969.7
2°	1957.9	1960.0	1957.9	1958.9	1958.9
3°	1937.4	1939.5	1939.5	1938.4	1937.4
4°	1912.6	1918.0	1912.6	1913.6	1910.4
5°	1878.1	1882.4	1874.8	1875.9	1878.1
6°	1836.0	1837.1	1834.9	1833.9	1831.7
7°	1787.5	1791.8	1784.3	1785.4	1783.2
8°	1735.8	1734.7	1734.7	1730.4	1723.9
9°	1673.2	1677.5	1671.1	1668.9	1670.0
10°	1611.8	1611.8	1606.4	1601.0	1604.2
11°	1541.7	1539.5	1536.3	1528.8	1526.6
12°	1465.2	1469.5	1459.8	1456.5	1449.0
13°	1386.5	1392.9	1388.6	1376.7	1377.8
14°	1313.1	1308.8	1305.6	1303.4	1295.9
15°	1238.8	1236.6	1229.0	1223.7	1209.6
17.5°	1035.0	1037.1	1023.1	1021.0	1015.6
20°	843.1	836.6	835.5	836.6	830.1
22.5°	665.2	671.7	664.1	665.2	660.9
25°	516.4	517.5	519.6	519.6	516.4
27.5°	401.1	401.1	398.9	401.1	397.8
30°	304.0	304.0	306.2	308.3	304.0
32.5°	235.0	235.0	235.0	236.1	237.2
35°	177.9	177.9	179.0	179.0	179.0
37.5°	136.9	138.0	139.1	139.1	139.1
40°	105.7	106.7	106.7	107.8	106.7
42.5°	84.1	84.1	84.1	85.2	85.2
45°	65.8	66.8	66.8	67.9	67.9
47.5°	53.9	53.9	53.9	55.0	55.0
50°	43.1	44.2	44.2	44.2	44.2
52.5°	35.6	35.6	36.7	36.7	36.7
55°	30.2	30.2	30.2	30.2	30.2
57.5°	24.8	25.9	25.9	25.9	25.9
60°	21.6	21.6	21.6	21.6	21.6
62.5°	18.3	18.3	18.3	18.3	18.3
65°	16.2	16.2	16.2	16.2	16.2
67.5°	12.9	14.0	14.0	14.0	14.0
70°	11.9	11.9	11.9	11.9	11.9
72.5°	8.6	9.7	9.7	9.7	9.7
75°	7.5	7.5	7.5	7.5	7.5
77.5°	6.5	5.4	5.4	5.4	6.5
80°	4.3	4.3	4.3	4.3	4.3
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.1	1.1	1.1	1.1	2.2
87.5°	0.0	0.0	0.0	1.1	1.1



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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)