

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: P1310255

Luminaire Tested: LDSQA3D09R559035DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310255  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R559035DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

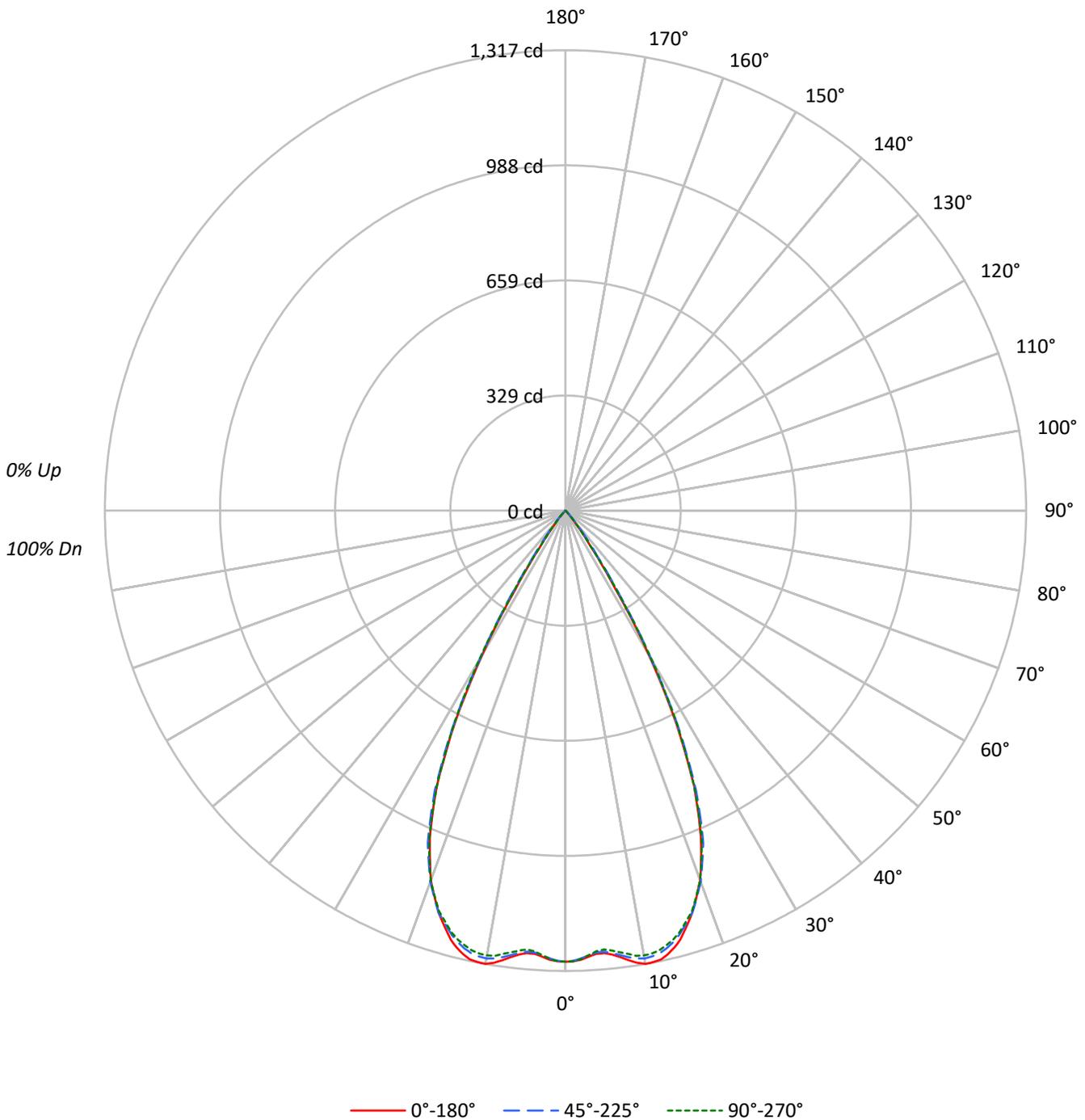
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 981.0 lumens  
Efficiency: N/A  
Efficacy: 88.4 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

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

	0°	45°	90°
0°	222236	222236	222236
5°	219697	219040	217864
10°	230264	227501	225927
15°	226438	224031	223211
20°	206258	207083	206387
25°	165475	168041	165475
30°	94978	97365	98120
35°	27080	32630	27878
40°	6947	9982	7104
45°	731	3483	560
50°	0	616	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3483 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.5	12.5
10°-20°	349.6	35.6
20°-30°	385.1	39.3
30°-40°	115.0	11.7
40°-50°	8.8	0.9
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	857.2	87.4
0°-40°	972.1	99.1
0°-60°	981.0	100.0
0°-90°	981.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	981.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1290	1290	1290	1290	1290	
5°	1271	1268	1267	1262	1260	123
15°	1270	1261	1256	1251	1252	352
25°	871	871	884	883	871	381
35°	129	137	155	142	133	106
45°	3	8	14	8	2	6
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1290.4	1290.4	1290.4	1290.4	1290.4
1°	1289.6	1289.6	1288.1	1287.3	1289.6
2°	1285.8	1285.8	1282.1	1281.3	1283.6
3°	1277.5	1276.8	1273.8	1271.5	1273.0
4°	1270.8	1269.3	1267.0	1263.2	1264.0
5°	1270.8	1268.5	1267.0	1261.7	1260.2
6°	1276.8	1275.3	1272.3	1267.0	1265.5
7°	1287.3	1284.3	1281.3	1274.5	1273.0
8°	1298.6	1296.4	1290.4	1283.6	1280.6
9°	1309.9	1304.7	1297.1	1290.4	1289.6
10°	1316.7	1309.2	1300.9	1292.6	1291.9
11°	1316.0	1309.2	1299.4	1291.9	1291.1
12°	1313.0	1303.2	1294.9	1285.8	1286.6
13°	1302.4	1293.4	1285.1	1278.3	1276.8
14°	1288.1	1279.8	1272.3	1265.5	1266.2
15°	1270.0	1261.0	1256.5	1251.2	1251.9
17.5°	1206.0	1203.7	1206.0	1200.0	1202.2
20°	1125.4	1123.1	1129.9	1126.9	1126.1
22.5°	1013.1	1016.2	1029.0	1025.2	1018.4
25°	870.8	870.8	884.3	882.8	870.8
27.5°	685.5	690.7	699.0	702.8	693.8
30°	477.6	489.6	489.6	497.2	493.4
32.5°	266.7	292.3	298.3	302.1	287.0
35°	128.8	137.1	155.2	141.6	132.6
37.5°	61.8	65.5	83.6	67.8	63.3
40°	30.9	35.4	44.4	36.9	31.6
42.5°	12.8	18.8	23.4	18.8	12.8
45°	3.0	7.5	14.3	7.5	2.3
47.5°	0.0	0.8	6.8	1.5	0.0
50°	0.0	0.0	2.3	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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)