

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: P1307047

Luminaire Tested: LDSQA3D09R559024DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307047  
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: LDSQA3D09R559024DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

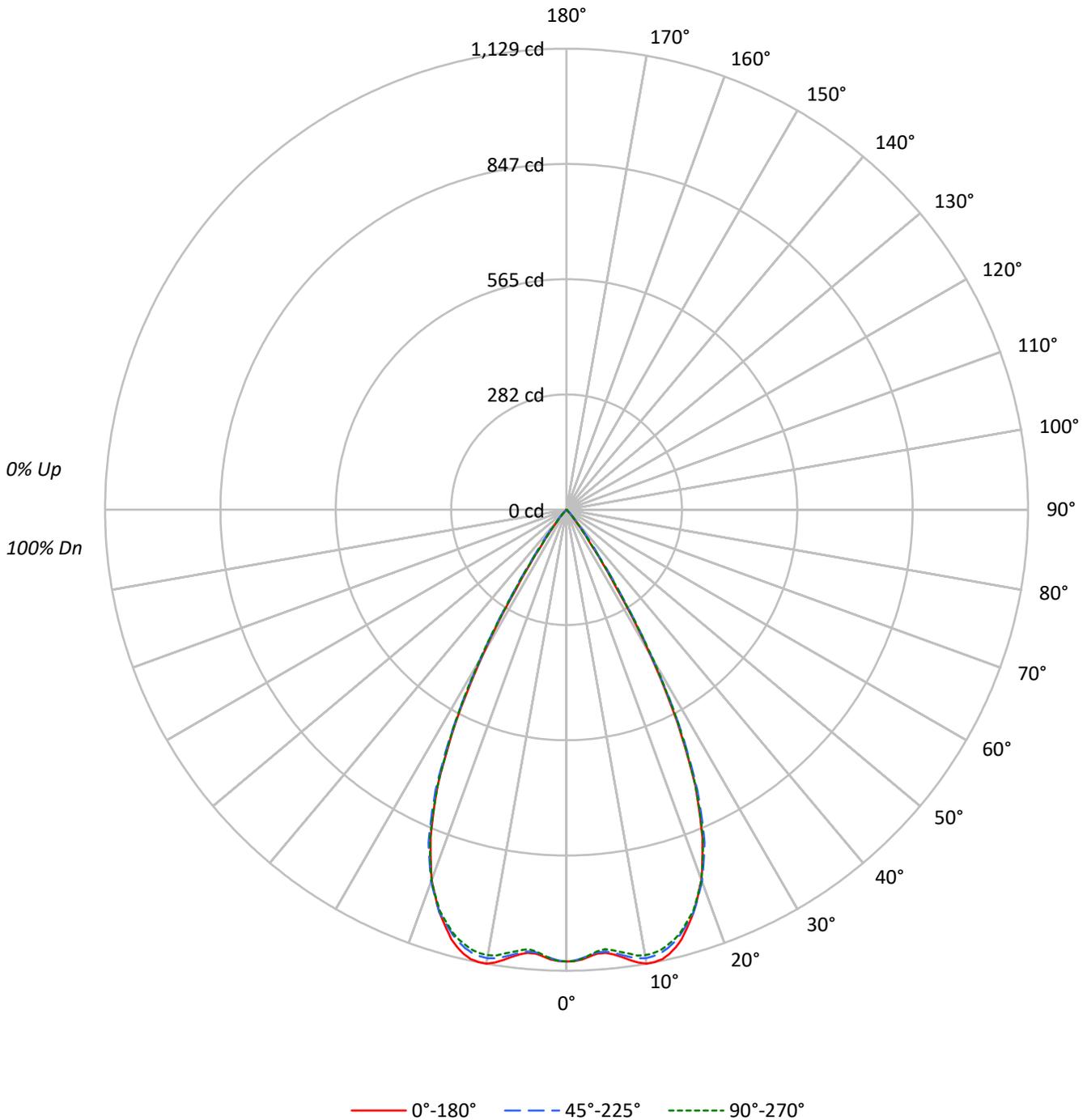
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 841.0 lumens  
Efficiency: N/A  
Efficacy: 75.8 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°	190513	190513	190513
5°	188336	187783	186780
10°	197404	195026	193679
15°	194131	192045	191367
20°	176824	177539	176934
25°	141855	144059	141855
30°	81416	83484	84120
35°	23211	27963	23905
40°	5958	8566	6093
45°	633	2996	463
50°	0	509	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: 2996 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.0	12.5
10°-20°	299.7	35.6
20°-30°	330.1	39.3
30°-40°	98.5	11.7
40°-50°	7.6	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°	734.8	87.4
0°-40°	833.4	99.1
0°-60°	841.0	100.0
0°-90°	841.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	841.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1106	1106	1106	1106	1106	
5°	1089	1088	1086	1082	1080	106
15°	1089	1081	1077	1073	1073	302
25°	746	746	758	757	746	327
35°	110	118	133	121	114	91
45°	3	6	12	6	2	5
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°	1106.2	1106.2	1106.2	1106.2	1106.2
1°	1105.6	1105.6	1104.3	1103.6	1105.6
2°	1102.3	1102.3	1099.1	1098.5	1100.4
3°	1095.2	1094.6	1092.0	1090.1	1091.4
4°	1089.4	1088.1	1086.2	1083.0	1083.6
5°	1089.4	1087.5	1086.2	1081.7	1080.4
6°	1094.6	1093.3	1090.7	1086.2	1084.9
7°	1103.6	1101.0	1098.5	1092.6	1091.4
8°	1113.3	1111.4	1106.2	1100.4	1097.8
9°	1123.0	1118.5	1112.0	1106.2	1105.6
10°	1128.8	1122.3	1115.2	1108.1	1107.5
11°	1128.2	1122.3	1114.0	1107.5	1106.9
12°	1125.6	1117.2	1110.1	1102.3	1103.0
13°	1116.5	1108.8	1101.7	1095.9	1094.6
14°	1104.3	1097.2	1090.7	1084.9	1085.5
15°	1088.8	1081.0	1077.1	1072.6	1073.3
17.5°	1033.9	1031.9	1033.9	1028.7	1030.7
20°	964.8	962.8	968.7	966.1	965.4
22.5°	868.6	871.1	882.1	878.9	873.1
25°	746.5	746.5	758.1	756.8	746.5
27.5°	587.7	592.2	599.3	602.5	594.8
30°	409.4	419.8	419.8	426.2	423.0
32.5°	228.6	250.6	255.7	259.0	246.0
35°	110.4	117.5	133.0	121.4	113.7
37.5°	53.0	56.2	71.7	58.1	54.2
40°	26.5	30.4	38.1	31.6	27.1
42.5°	11.0	16.1	20.0	16.1	11.0
45°	2.6	6.5	12.3	6.5	1.9
47.5°	0.0	0.6	5.8	1.3	0.0
50°	0.0	0.0	1.9	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)