

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: P1309139

Luminaire Tested: LDSQA3D09R559030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309139  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R559030DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

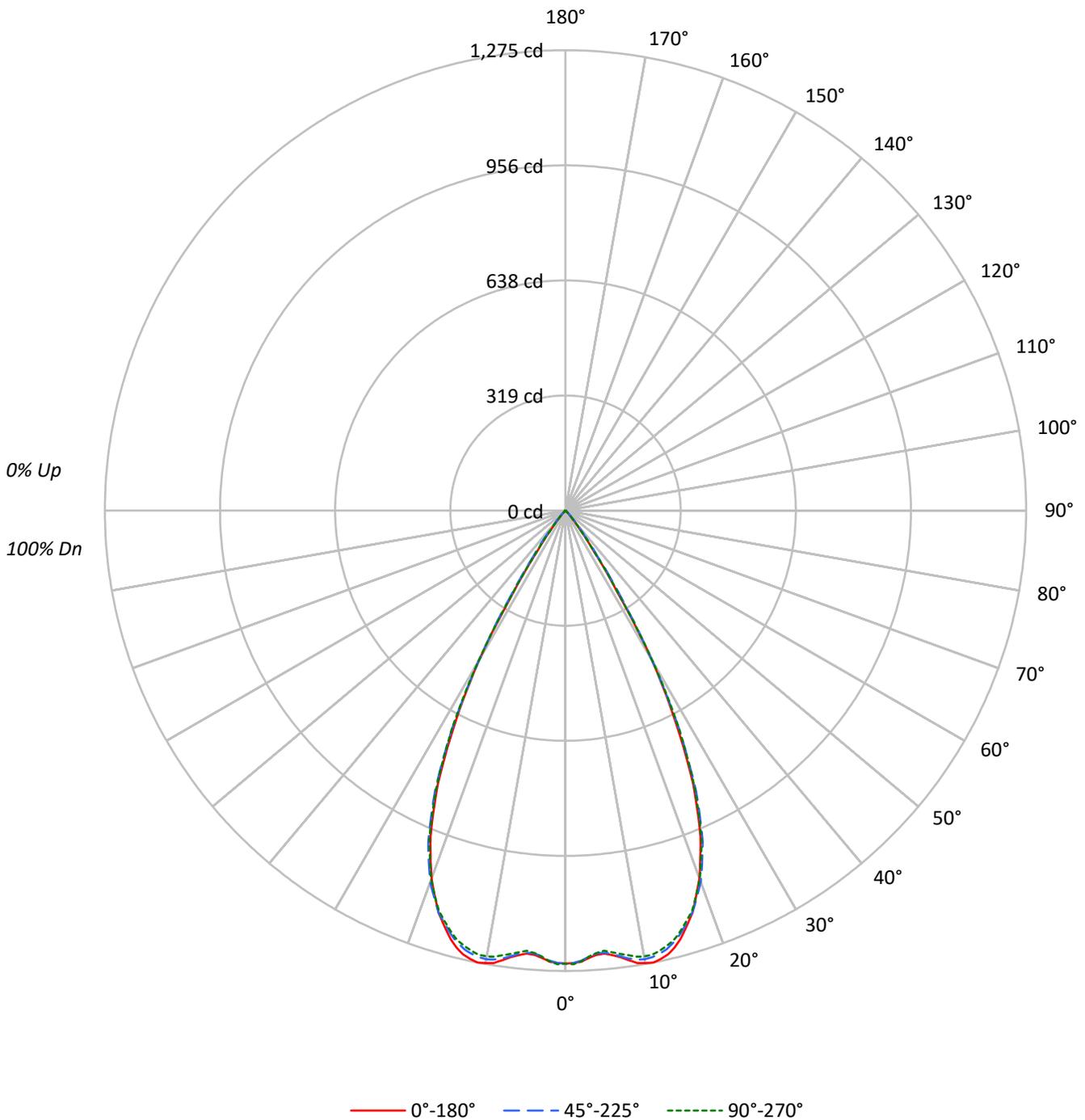
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 962.0 lumens  
Efficiency: N/A  
Efficacy: 86.7 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
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 (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	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	112	109	107	105	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	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

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

	0°	45°	90°
0°	216053	216053	216053
5°	212954	212574	211571
10°	222587	220663	219246
15°	219110	217149	216240
20°	198671	200687	199220
25°	158881	162207	160687
30°	95276	95276	96450
35°	27521	32609	28446
40°	7891	10679	7891
45°	1778	4092	1778
50°	777	1366	589
55°	661	661	661
60°	758	758	758
65°	611	611	611
70°	755	755	755
75°	466	466	466
80°	694	694	694
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 4092 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.9	12.4
10°-20°	339.0	35.2
20°-30°	373.5	38.8
30°-40°	114.2	11.9
40°-50°	11.3	1.2
50°-60°	2.1	0.2
60°-70°	1.7	0.2
70°-80°	0.9	0.1
80°-90°	0.3	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
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0°-30°	831.5	86.4
0°-40°	945.7	98.3
0°-60°	959.1	99.7
0°-90°	962.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	962.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1254	1254	1254	1254	1254	
5°	1232	1232	1230	1226	1224	119
15°	1229	1227	1218	1213	1213	341
25°	836	844	854	862	846	368
35°	131	138	155	143	135	107
45°	7	11	17	11	7	9
55°	2	2	2	2	2	2
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	1254.5	1254.5	1254.5	1254.5	1254.5
1°	1253.0	1253.7	1253.0	1251.5	1256.7
2°	1250.1	1249.4	1247.2	1246.4	1248.6
3°	1240.6	1240.6	1237.6	1236.2	1236.9
4°	1233.3	1233.3	1228.9	1227.4	1228.1
5°	1231.8	1231.8	1229.6	1225.9	1223.8
6°	1237.6	1239.1	1234.0	1230.3	1230.3
7°	1246.4	1247.2	1243.5	1238.4	1236.9
8°	1257.4	1258.1	1252.3	1246.4	1243.5
9°	1268.4	1266.9	1258.9	1253.0	1250.8
10°	1272.8	1272.0	1261.8	1255.9	1253.7
11°	1275.0	1271.3	1259.6	1254.5	1253.7
12°	1269.8	1266.9	1254.5	1249.4	1247.2
13°	1261.1	1256.7	1246.4	1241.3	1238.4
14°	1247.2	1242.8	1233.3	1227.4	1228.1
15°	1228.9	1226.7	1217.9	1212.8	1212.8
17.5°	1168.2	1169.6	1167.4	1165.2	1163.8
20°	1084.0	1089.9	1095.0	1092.1	1087.0
22.5°	976.5	986.8	992.6	994.1	984.6
25°	836.1	844.1	853.6	861.7	845.6
27.5°	661.2	668.6	677.3	682.5	680.3
30°	479.1	479.8	479.1	488.6	485.0
32.5°	266.3	288.2	291.9	298.4	275.0
35°	130.9	137.5	155.1	142.6	135.3
37.5°	62.9	67.3	84.1	68.8	65.8
40°	35.1	38.0	47.5	39.5	35.1
42.5°	16.8	21.9	25.6	22.7	16.8
45°	7.3	11.0	16.8	11.0	7.3
47.5°	2.9	4.4	10.2	4.4	2.9
50°	2.9	2.2	5.1	2.2	2.2
52.5°	2.2	2.2	2.9	2.2	2.2
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.2	2.2	2.2	2.2	2.2
60°	2.2	2.2	2.2	2.2	2.2
62.5°	1.5	2.2	2.2	2.2	1.5
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	0.7	1.5	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7
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)