

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: P1316486

Luminaire Tested: LDSQA3D09R559740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316486  
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: LDSQA3D09R559740DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

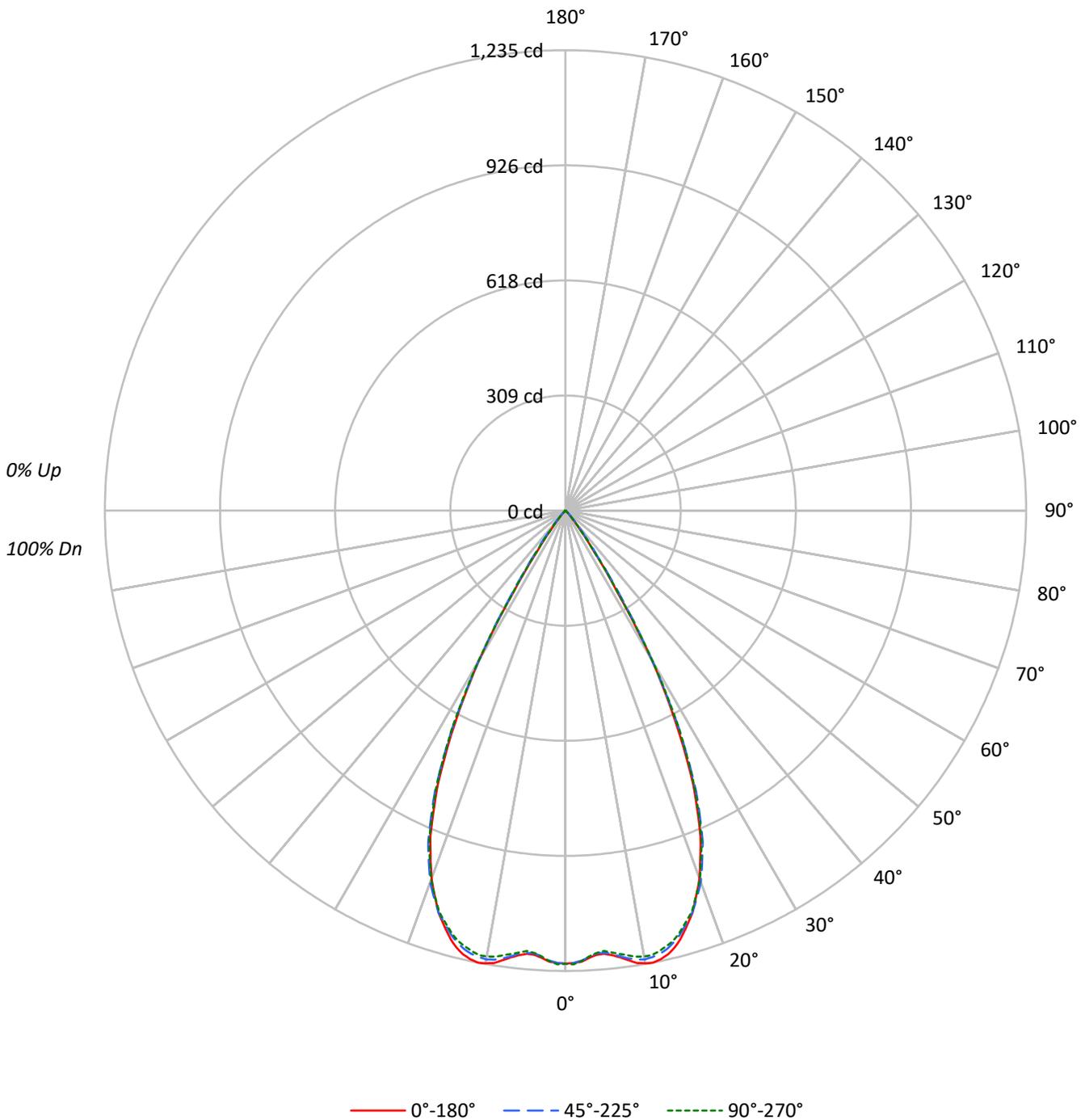
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 932.0 lumens  
Efficiency: N/A  
Efficacy: 84.0 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°	209319	209319	209319
5°	206316	205953	204967
10°	215644	213773	212409
15°	212264	210374	209500
20°	192476	194437	193007
25°	153922	157152	155670
30°	92313	92313	93427
35°	26680	31579	27563
40°	7644	10364	7644
45°	1729	3970	1729
50°	750	1340	563
55°	631	631	631
60°	723	723	723
65°	571	571	571
70°	705	705	705
75°	466	466	466
80°	694	694	694
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3970 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.2	12.4
10°-20°	328.4	35.2
20°-30°	361.9	38.8
30°-40°	110.7	11.9
40°-50°	11.0	1.2
50°-60°	2.0	0.2
60°-70°	1.6	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°	805.5	86.4
0°-40°	916.2	98.3
0°-60°	929.2	99.7
0°-90°	932.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	932.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1215	1215	1215	1215	1215	
5°	1193	1193	1191	1188	1186	116
15°	1190	1188	1180	1175	1175	330
25°	810	818	827	835	819	357
35°	127	133	150	138	131	104
45°	7	11	16	11	7	8
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
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°	1215.4	1215.4	1215.4	1215.4	1215.4
1°	1213.9	1214.6	1213.9	1212.5	1217.5
2°	1211.1	1210.4	1208.3	1207.6	1209.7
3°	1201.9	1201.9	1199.1	1197.6	1198.3
4°	1194.8	1194.8	1190.5	1189.1	1189.8
5°	1193.4	1193.4	1191.3	1187.7	1185.6
6°	1199.1	1200.5	1195.5	1192.0	1192.0
7°	1207.6	1208.3	1204.7	1199.8	1198.3
8°	1218.2	1218.9	1213.2	1207.6	1204.7
9°	1228.8	1227.4	1219.6	1213.9	1211.8
10°	1233.1	1232.4	1222.4	1216.8	1214.6
11°	1235.2	1231.7	1220.3	1215.4	1214.6
12°	1230.2	1227.4	1215.4	1210.4	1208.3
13°	1221.7	1217.5	1207.6	1202.6	1199.8
14°	1208.3	1204.0	1194.8	1189.1	1189.8
15°	1190.5	1188.4	1179.9	1175.0	1175.0
17.5°	1131.7	1133.1	1131.0	1128.9	1127.5
20°	1050.2	1055.9	1060.9	1058.0	1053.1
22.5°	946.1	956.0	961.7	963.1	953.9
25°	810.0	817.8	827.0	834.8	819.2
27.5°	640.6	647.7	656.2	661.2	659.1
30°	464.2	464.9	464.2	473.4	469.8
32.5°	258.0	279.2	282.8	289.1	266.5
35°	126.9	133.2	150.2	138.2	131.1
37.5°	60.9	65.2	81.5	66.6	63.8
40°	34.0	36.9	46.1	38.3	34.0
42.5°	16.3	21.3	24.8	22.0	16.3
45°	7.1	10.6	16.3	10.6	7.1
47.5°	2.8	4.3	9.9	4.3	2.8
50°	2.8	2.1	5.0	2.1	2.1
52.5°	2.1	2.1	2.8	2.1	2.1
55°	2.1	2.1	2.1	2.1	2.1
57.5°	2.1	2.1	2.1	2.1	2.1
60°	2.1	2.1	2.1	2.1	2.1
62.5°	1.4	2.1	2.1	2.1	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4
72.5°	0.7	1.4	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)