

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: P1319138

Luminaire Tested: LDSQA3D09R509835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319138  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R509835DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

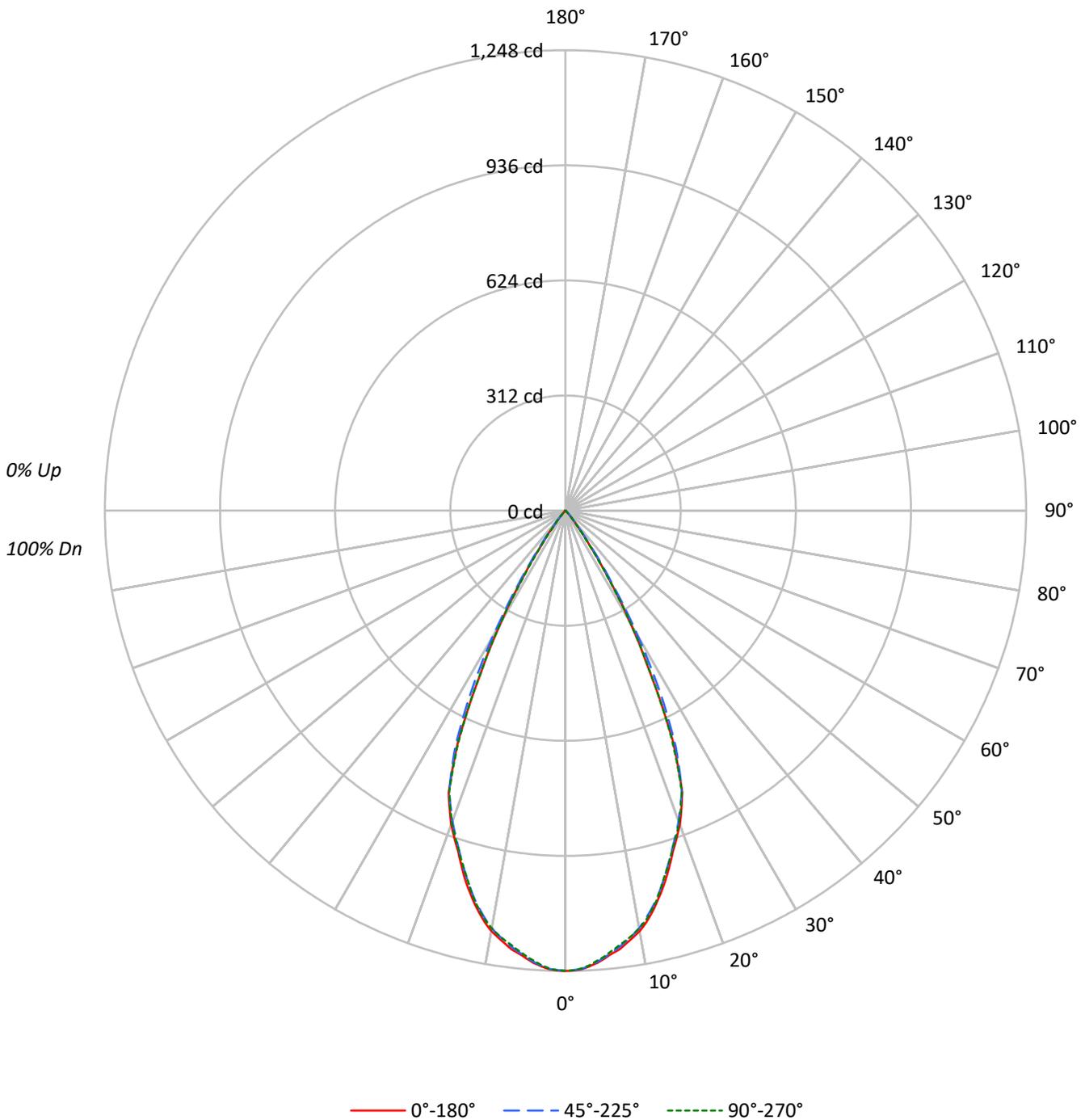
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 804.0 lumens  
Efficiency: N/A  
Efficacy: 73.1 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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

TEST NUMBER: P1319138  
CATALOG NUMBER: LDSQA3D09R509835DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1319138

CATALOG NUMBER: LDSQA3D09R509835DE010 3LSQCDR1MW

**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	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

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

	0°	45°	90°
0°	214865	214865	214865
5°	210655	210257	209669
10°	202405	201006	201111
15°	185804	184075	183879
20°	165993	164215	165058
25°	130472	134254	129389
30°	69802	78194	70021
35°	22791	26638	21487
40°	5643	7059	5396
45°	706	2509	706
50°	455	777	455
55°	510	510	510
60°	379	379	379
65°	448	448	448
70°	302	302	302
75°	399	399	399
80°	595	595	595
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2509 cd/sqm



TEST NUMBER: P1319138

CATALOG NUMBER: LDSQA3D09R509835DE010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.1	14.2
10°-20°	288.5	35.9
20°-30°	303.5	37.7
30°-40°	87.5	10.9
40°-50°	7.1	0.9
50°-60°	1.5	0.2
60°-70°	1.1	0.1
70°-80°	0.6	0.1
80°-90°	0.2	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°	706.1	87.8
0°-40°	793.5	98.7
0°-60°	802.1	99.8
0°-90°	804.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	804.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1248	1248	1248	1248	1248	
5°	1218	1218	1216	1217	1213	114
15°	1042	1035	1032	1032	1031	290
25°	687	704	706	699	681	298
35°	108	112	127	108	102	84
45°	3	6	10	6	3	5
55°	2	2	2	2	2	1
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



TEST NUMBER: P1319138

CATALOG NUMBER: LDSQA3D09R509835DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1247.6	1247.6	1247.6	1247.6	1247.6
1°	1247.0	1248.2	1245.9	1249.9	1246.4
2°	1244.2	1244.7	1243.6	1246.4	1241.9
3°	1237.3	1238.5	1236.2	1238.5	1234.5
4°	1229.3	1229.3	1227.0	1228.8	1223.6
5°	1218.5	1217.9	1216.2	1217.3	1212.8
6°	1207.1	1206.5	1203.6	1203.6	1200.2
7°	1198.5	1194.5	1192.2	1191.7	1188.2
8°	1184.8	1183.7	1179.1	1179.1	1176.8
9°	1171.1	1170.0	1164.8	1166.0	1164.3
10°	1157.4	1153.4	1149.4	1150.0	1150.0
11°	1139.2	1135.7	1130.0	1132.3	1133.4
12°	1117.5	1113.5	1108.3	1112.9	1112.3
13°	1093.5	1090.1	1086.1	1089.5	1088.4
14°	1068.4	1063.2	1059.8	1062.1	1061.0
15°	1042.1	1035.3	1032.4	1032.4	1031.3
17.5°	968.5	964.5	961.7	959.9	963.9
20°	905.7	902.3	896.0	897.7	900.6
22.5°	827.0	826.4	823.0	820.1	823.5
25°	686.6	703.7	706.5	698.6	680.9
27.5°	498.8	538.8	553.0	534.2	501.7
30°	351.0	369.8	393.2	356.1	352.1
32.5°	211.7	216.9	238.6	212.9	207.2
35°	108.4	112.4	126.7	108.4	102.2
37.5°	50.8	53.1	58.8	50.8	47.4
40°	25.1	28.0	31.4	26.3	24.0
42.5°	10.8	14.3	18.3	13.7	9.7
45°	2.9	5.7	10.3	5.7	2.9
47.5°	1.7	2.3	5.7	2.3	1.7
50°	1.7	1.7	2.9	1.7	1.7
52.5°	1.7	1.7	1.7	1.7	1.7
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.7	1.7	1.7	1.7	1.7
60°	1.1	1.7	1.1	1.7	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.6	0.0	0.6	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



TEST NUMBER: P1319138  
CATALOG NUMBER: LDSQA3D09R509835DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)