

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: P1320012

Luminaire Tested: LDSQA3D09R509840DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320012
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R509840DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

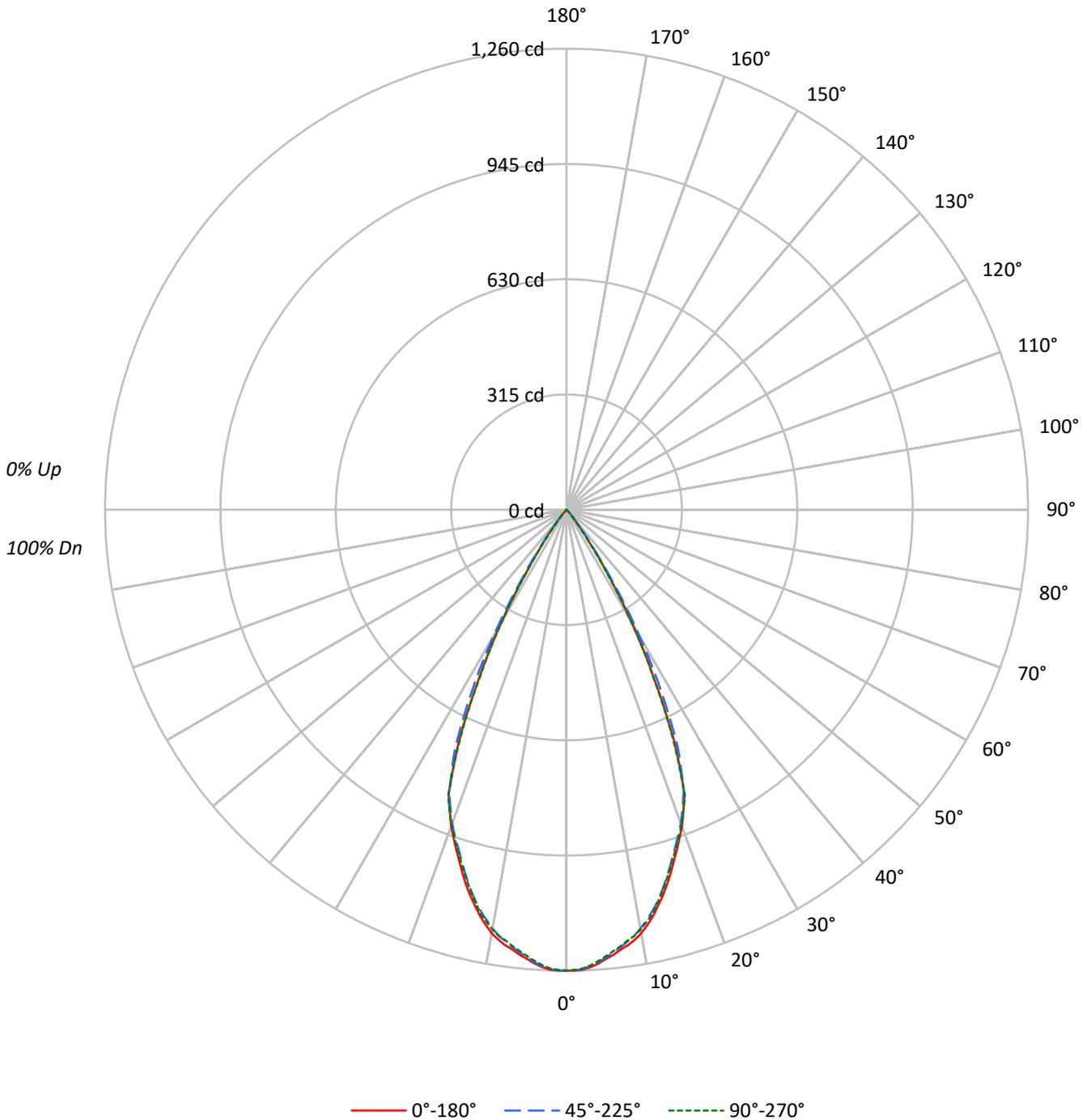
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 811.0 lumens
Efficiency: N/A
Efficacy: 73.7 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 (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

TEST NUMBER: P1320012
CATALOG NUMBER: LDSQA3D09R509840DE010 3LSQCDR1MB

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	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	216897	216897	216897
5°	213110	212505	211917
10°	205536	203297	203717
15°	189067	186696	187213
20°	168833	167239	168192
25°	131403	136914	129959
30°	71174	79487	69901
35°	22433	26701	21950
40°	4946	6902	4699
45°	146	2119	146
50°	0	322	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: 2119 cd/sqm



TEST NUMBER: P1320012

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.4	14.2
10°-20°	293.2	36.1
20°-30°	308.8	38.1
30°-40°	88.2	10.9
40°-50°	5.5	0.7
50°-60°	0.0	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°	717.3	88.4
0°-40°	805.5	99.3
0°-60°	811.0	100.0
0°-90°	811.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	811.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1259	1259	1259	1259	1259	
5°	1233	1232	1229	1228	1226	116
15°	1060	1054	1047	1049	1050	295
25°	692	717	720	712	684	302
35°	107	114	127	108	104	83
45°	1	3	9	3	1	3
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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 CATALOG NUMBER: LDSQA3D09R509840DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1259.4	1259.4	1259.4	1259.4	1259.4
1°	1260.0	1260.6	1259.4	1260.6	1257.7
2°	1258.3	1257.1	1255.9	1256.5	1254.8
3°	1251.9	1251.3	1249.0	1249.6	1247.2
4°	1243.7	1242.0	1240.3	1239.1	1236.8
5°	1232.7	1231.6	1229.2	1228.1	1225.8
6°	1223.4	1221.1	1217.1	1215.9	1213.6
7°	1211.3	1210.1	1204.9	1203.7	1202.6
8°	1202.0	1198.5	1192.1	1192.7	1189.8
9°	1189.8	1185.2	1178.8	1178.8	1179.4
10°	1175.3	1168.3	1162.5	1164.3	1164.9
11°	1156.2	1151.5	1142.8	1146.9	1146.9
12°	1135.3	1129.5	1123.1	1126.6	1128.9
13°	1110.9	1106.3	1100.5	1103.9	1102.8
14°	1087.1	1078.4	1074.4	1079.0	1077.3
15°	1060.4	1053.5	1047.1	1048.8	1050.0
17.5°	989.1	981.5	976.9	977.5	982.7
20°	921.2	918.3	912.5	914.8	917.7
22.5°	841.2	842.3	835.4	837.1	844.1
25°	691.5	717.0	720.5	712.4	683.9
27.5°	512.2	550.5	562.1	543.6	508.8
30°	357.9	368.4	399.7	364.3	351.5
32.5°	210.0	225.7	242.5	218.1	209.4
35°	106.7	114.3	127.0	107.9	104.4
37.5°	49.3	52.8	58.0	49.3	46.4
40°	22.0	26.1	30.7	24.9	20.9
42.5°	7.0	12.2	16.2	11.0	6.4
45°	0.6	2.9	8.7	2.9	0.6
47.5°	0.0	0.6	3.5	0.6	0.0
50°	0.0	0.0	1.2	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



TEST NUMBER: P1320012
CATALOG NUMBER: LDSQA3D09R509840DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)