

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: P1326928

Luminaire Tested: LDSQA3D09R50W2N902765DE010 3LSQCDR1MB_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326928
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: LDSQA3D09R50W2N902765DE010 3LSQCDR1MB_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

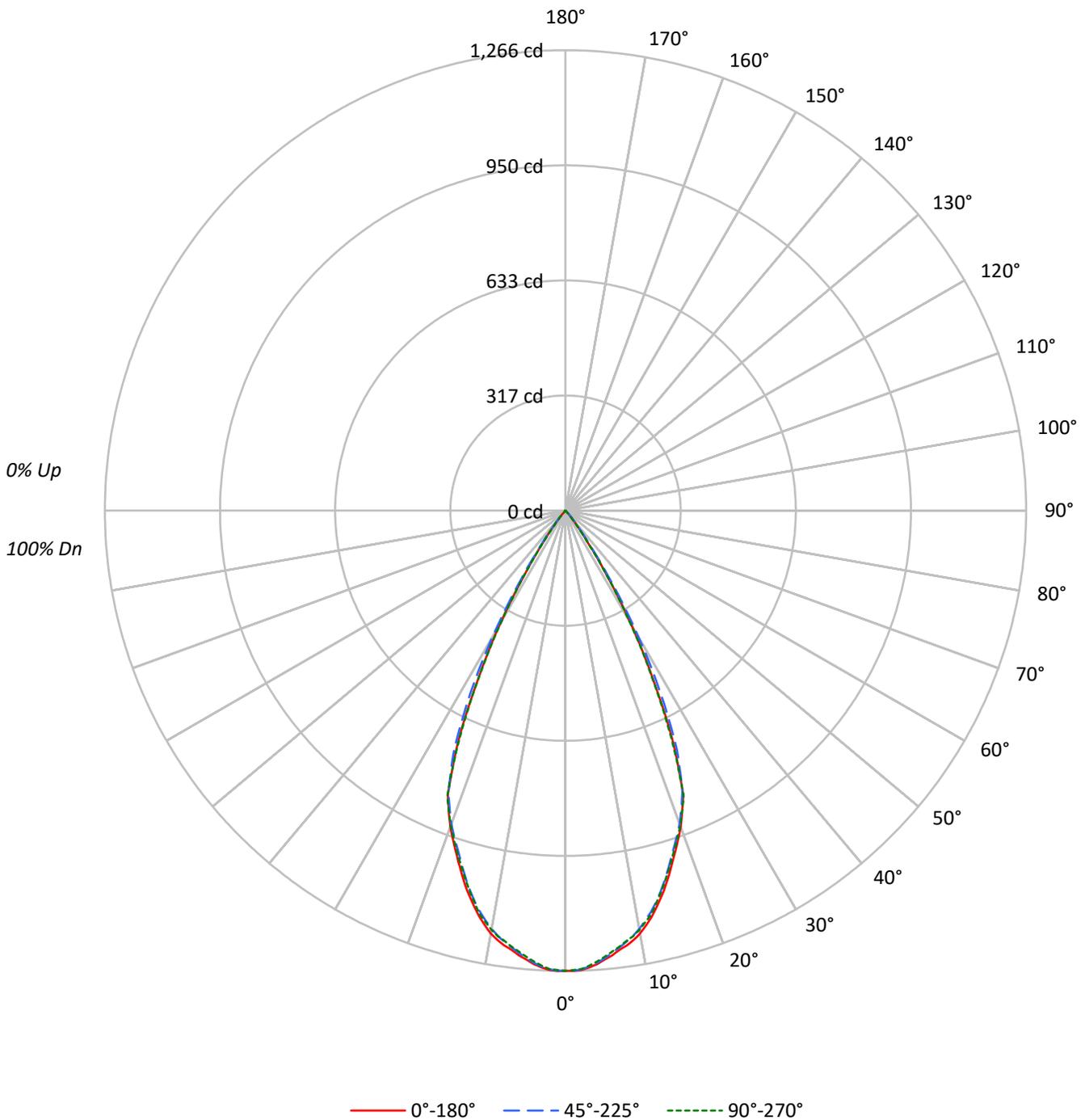
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 815.0 lumens
Efficiency: N/A
Efficacy: 90.6 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): 9
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	217965	217965	217965
5°	214164	213559	212954
10°	206550	204312	204714
15°	190012	187623	188140
20°	169676	168064	169035
25°	132050	137579	130605
30°	71532	79884	70259
35°	22559	26848	22055
40°	4991	6947	4721
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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.0	14.2
10°-20°	294.6	36.1
20°-30°	310.3	38.1
30°-40°	88.6	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°	720.9	88.4
0°-40°	809.5	99.3
0°-60°	815.0	100.0
0°-90°	815.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	815.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1266	1266	1266	1266	1266	
5°	1239	1238	1235	1234	1232	116
15°	1066	1059	1052	1054	1055	297
25°	695	720	724	716	687	304
35°	107	115	128	108	105	84
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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1265.6	1265.6	1265.6	1265.6	1265.6
1°	1266.2	1266.8	1265.6	1266.8	1263.9
2°	1264.5	1263.3	1262.1	1262.7	1261.0
3°	1258.0	1257.5	1255.1	1255.7	1253.4
4°	1249.9	1248.1	1246.4	1245.2	1242.9
5°	1238.8	1237.6	1235.3	1234.1	1231.8
6°	1229.5	1227.1	1223.1	1221.9	1219.6
7°	1217.2	1216.1	1210.8	1209.7	1208.5
8°	1207.9	1204.4	1198.0	1198.6	1195.7
9°	1195.7	1191.0	1184.6	1184.6	1185.2
10°	1181.1	1174.1	1168.3	1170.0	1170.6
11°	1161.9	1157.2	1148.4	1152.5	1152.5
12°	1140.9	1135.0	1128.6	1132.1	1134.5
13°	1116.4	1111.7	1105.9	1109.4	1108.2
14°	1092.5	1083.7	1079.7	1084.3	1082.6
15°	1065.7	1058.7	1052.3	1054.0	1055.2
17.5°	994.0	986.4	981.7	982.3	987.5
20°	925.8	922.8	917.0	919.3	922.3
22.5°	845.3	846.5	839.5	841.2	848.2
25°	694.9	720.5	724.0	715.9	687.3
27.5°	514.8	553.2	564.9	546.2	511.3
30°	359.7	370.2	401.7	366.1	353.3
32.5°	211.0	226.8	243.7	219.2	210.5
35°	107.3	114.8	127.7	108.4	104.9
37.5°	49.6	53.1	58.3	49.6	46.6
40°	22.2	26.2	30.9	25.1	21.0
42.5°	7.0	12.2	16.3	11.1	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



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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)