

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: P1326935

Luminaire Tested: LDSQA3D09R50W2N902765DE010 3LSQCDR1MMS_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326935
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 3LSQCDR1MMS_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3500K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

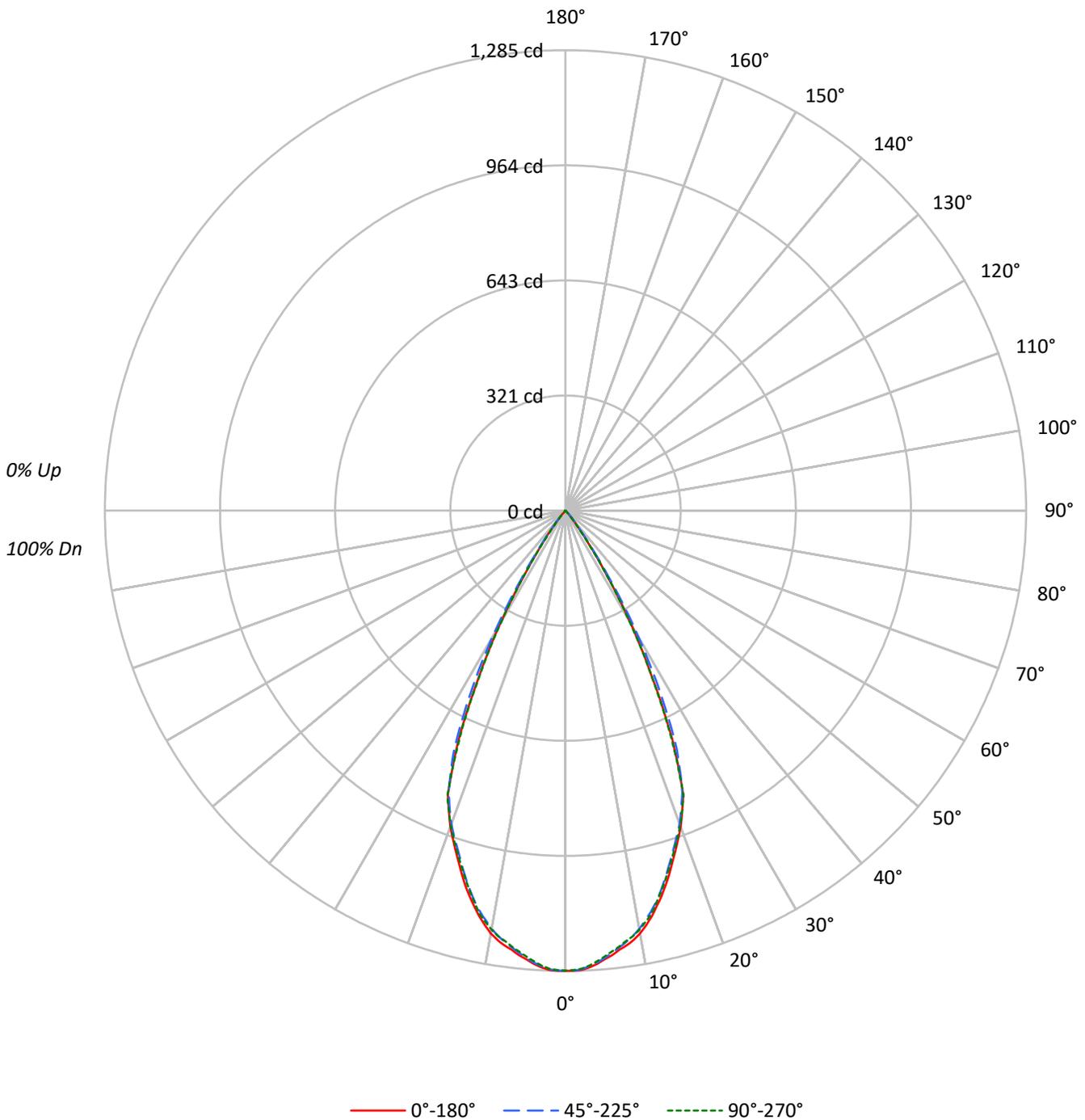
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 827.0 lumens
Efficiency: N/A
Efficacy: 91.9 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	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°	221186	221186	221186
5°	217311	216706	216083
10°	209593	207320	207722
15°	192811	190387	190904
20°	172169	170538	171509
25°	133988	139613	132525
30°	72586	81058	71293
35°	22875	27227	22391
40°	5058	7059	4789
45°	146	2168	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: 2168 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.7	14.2
10°-20°	299.0	36.1
20°-30°	314.9	38.1
30°-40°	89.9	10.9
40°-50°	5.6	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
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0°-30°	731.5	88.4
0°-40°	821.4	99.3
0°-60°	827.0	100.0
0°-90°	827.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	827.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1284	1284	1284	1284	1284	
5°	1257	1256	1254	1252	1250	118
15°	1081	1074	1068	1070	1071	301
25°	705	731	735	726	697	308
35°	109	116	130	110	106	85
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°	1284.3	1284.3	1284.3	1284.3	1284.3
1°	1284.9	1285.4	1284.3	1285.4	1282.5
2°	1283.1	1281.9	1280.7	1281.3	1279.5
3°	1276.6	1276.0	1273.6	1274.2	1271.8
4°	1268.3	1266.5	1264.7	1263.6	1261.2
5°	1257.0	1255.9	1253.5	1252.3	1249.9
6°	1247.6	1245.2	1241.1	1239.9	1237.5
7°	1235.2	1234.0	1228.7	1227.5	1226.3
8°	1225.7	1222.1	1215.6	1216.2	1213.3
9°	1213.3	1208.5	1202.0	1202.0	1202.6
10°	1198.5	1191.4	1185.5	1187.2	1187.8
11°	1179.0	1174.2	1165.4	1169.5	1169.5
12°	1157.7	1151.8	1145.2	1148.8	1151.2
13°	1132.8	1128.1	1122.2	1125.7	1124.5
14°	1108.6	1099.7	1095.6	1100.3	1098.5
15°	1081.4	1074.3	1067.8	1069.5	1070.7
17.5°	1008.6	1000.9	996.2	996.8	1002.1
20°	939.4	936.4	930.5	932.9	935.8
22.5°	857.7	858.9	851.8	853.6	860.7
25°	705.1	731.2	734.7	726.4	697.4
27.5°	522.3	561.4	573.2	554.3	518.8
30°	365.0	375.6	407.6	371.5	358.5
32.5°	214.1	230.1	247.3	222.4	213.6
35°	108.8	116.5	129.5	110.0	106.5
37.5°	50.3	53.8	59.2	50.3	47.3
40°	22.5	26.6	31.4	25.4	21.3
42.5°	7.1	12.4	16.6	11.2	6.5
45°	0.6	3.0	8.9	3.0	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)