

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: P1326828

Luminaire Tested: LDSQA3D09R45W2N902765DE010 3LSQCDR1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R45W2N902765DE010 3LSQCDR1MB_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

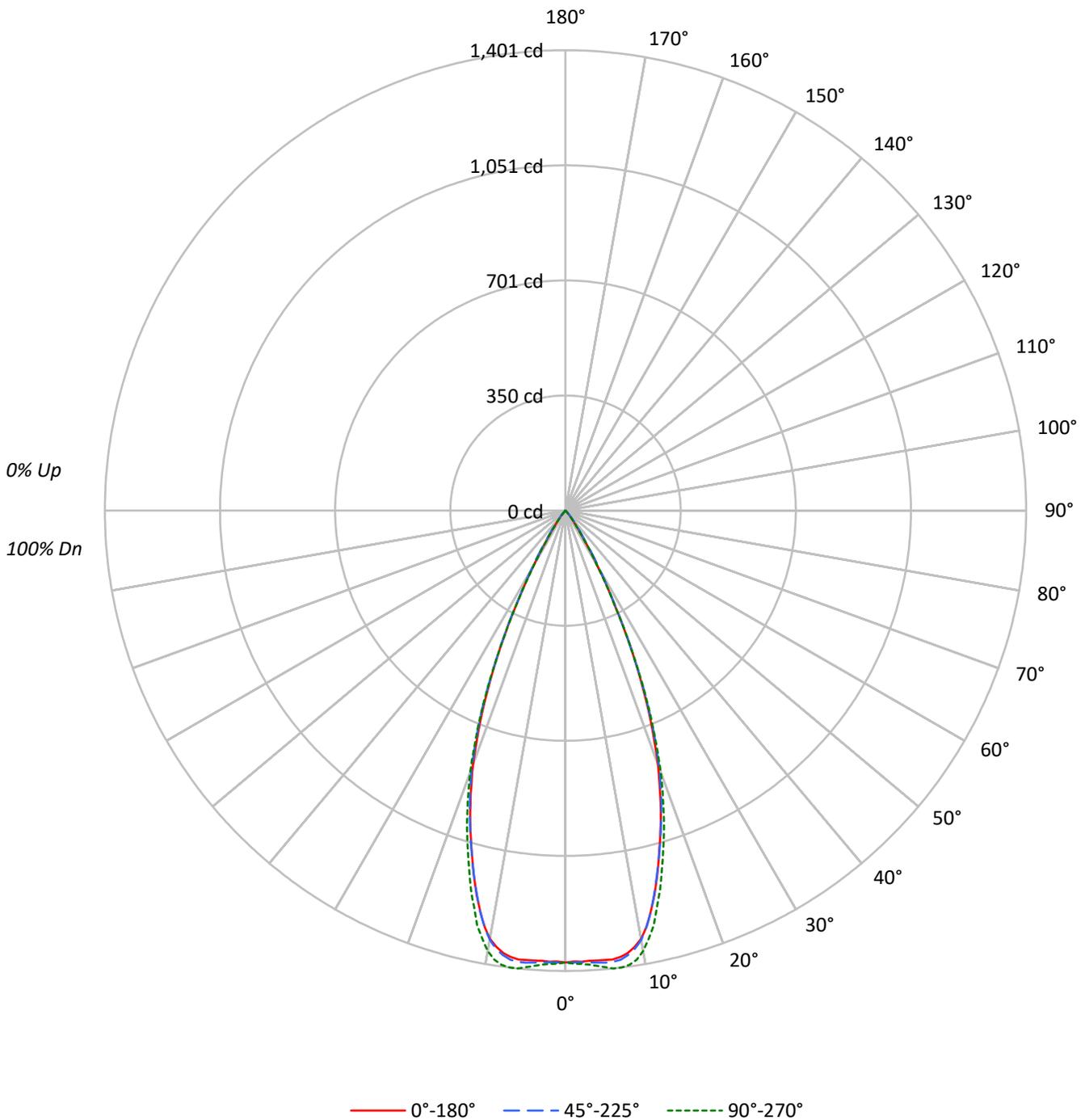
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 711.0 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	79	76	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	71	67	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	236841	236841	236841
5°	237382	238748	241134
10°	231435	231890	237993
15°	195254	195343	201762
20°	150726	152852	155363
25°	93493	93607	94196
30°	38580	40986	37944
35°	12005	14675	11563
40°	3687	5103	3440
45°	268	1924	268
50°	0	295	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: 1924 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.9	18.4
10°-20°	304.3	42.8
20°-30°	223.2	31.4
30°-40°	48.0	6.7
40°-50°	4.6	0.6
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°	658.4	92.6
0°-40°	706.4	99.4
0°-60°	711.0	100.0
0°-90°	711.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	711.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1375	1375	1375	1375	1375	
5°	1373	1377	1381	1390	1395	130
15°	1095	1093	1096	1113	1132	302
25°	492	490	493	493	496	221
35°	57	61	70	60	55	45
45°	1	3	8	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°	1375.2	1375.2	1375.2	1375.2	1375.2
1°	1372.6	1375.7	1375.7	1377.8	1378.9
2°	1373.6	1375.7	1375.2	1378.9	1380.5
3°	1372.0	1375.7	1376.8	1381.0	1383.7
4°	1372.6	1375.7	1378.9	1385.2	1388.9
5°	1373.1	1376.8	1381.0	1390.5	1394.8
6°	1373.6	1376.3	1381.0	1393.2	1401.1
7°	1368.3	1372.0	1377.3	1392.6	1401.1
8°	1359.9	1362.0	1366.2	1386.3	1396.3
9°	1344.0	1343.5	1349.8	1372.0	1383.7
10°	1323.4	1317.1	1326.0	1348.2	1360.9
11°	1290.1	1283.2	1291.2	1314.9	1327.1
12°	1246.8	1246.8	1248.4	1269.5	1290.6
13°	1200.8	1195.5	1198.7	1222.5	1237.3
14°	1150.1	1144.8	1147.9	1165.9	1189.2
15°	1095.1	1093.0	1095.6	1113.1	1131.6
17.5°	964.5	959.8	969.3	986.7	996.3
20°	822.4	830.3	834.0	845.1	847.7
22.5°	659.1	667.5	672.8	674.4	676.0
25°	492.0	490.5	492.6	492.6	495.7
27.5°	323.5	323.5	329.3	325.6	321.9
30°	194.0	201.9	206.1	199.3	190.8
32.5°	105.7	113.6	120.5	110.5	103.1
35°	57.1	61.3	69.8	59.7	55.0
37.5°	31.2	34.9	40.2	33.8	31.2
40°	16.4	20.1	22.7	20.1	15.3
42.5°	5.3	10.0	13.2	10.0	4.8
45°	1.1	3.2	7.9	3.2	1.1
47.5°	0.0	0.5	3.7	0.5	0.0
50°	0.0	0.0	1.1	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)