

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: P1326838

Luminaire Tested: LDSQA3D09R45W2N902765DE010 3LSQCDR1MMS_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326838
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 3LSQCDR1MMS_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 5000K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

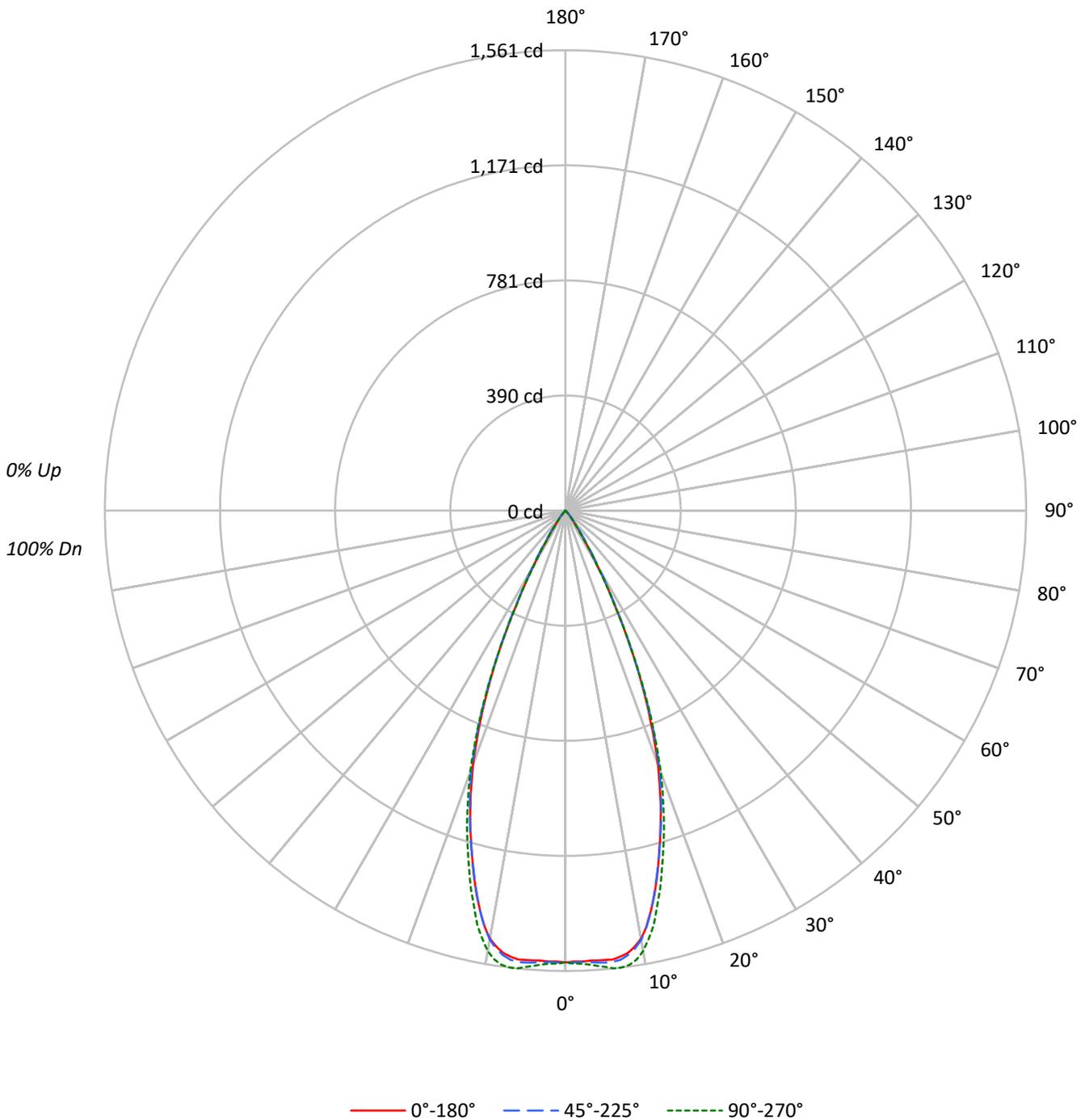
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 792.0 lumens
Efficiency: N/A
Efficacy: 88.0 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	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	263828	263828	263828
5°	264421	265942	268587
10°	257807	258314	265117
15°	217488	217595	224745
20°	167899	170263	173067
25°	104154	104268	104933
30°	42975	45660	42259
35°	13372	16336	12867
40°	4114	5688	3844
45°	292	2143	292
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: 2143 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.8	18.4
10°-20°	339.0	42.8
20°-30°	248.7	31.4
30°-40°	53.4	6.7
40°-50°	5.1	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°	733.4	92.6
0°-40°	786.9	99.4
0°-60°	792.0	100.0
0°-90°	792.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	792.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1532	1532	1532	1532	1532	
5°	1530	1534	1538	1549	1554	145
15°	1220	1218	1220	1240	1260	336
25°	548	546	549	549	552	246
35°	64	68	78	66	61	50
45°	1	4	9	4	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°	1531.9	1531.9	1531.9	1531.9	1531.9
1°	1528.9	1532.5	1532.5	1534.8	1536.0
2°	1530.1	1532.5	1531.9	1536.0	1537.8
3°	1528.3	1532.5	1533.6	1538.3	1541.3
4°	1528.9	1532.5	1536.0	1543.1	1547.2
5°	1529.5	1533.6	1538.3	1548.9	1553.6
6°	1530.1	1533.0	1538.3	1551.9	1560.7
7°	1524.2	1528.3	1534.2	1551.3	1560.7
8°	1514.8	1517.1	1521.9	1544.2	1555.4
9°	1497.1	1496.5	1503.6	1528.3	1541.3
10°	1474.2	1467.1	1477.1	1501.8	1516.0
11°	1437.1	1429.4	1438.3	1464.8	1478.3
12°	1388.8	1388.8	1390.6	1414.1	1437.7
13°	1337.6	1331.7	1335.2	1361.7	1378.2
14°	1281.1	1275.2	1278.7	1298.7	1324.6
15°	1219.8	1217.5	1220.4	1239.9	1260.5
17.5°	1074.4	1069.1	1079.7	1099.2	1109.7
20°	916.1	924.9	929.0	941.4	944.3
22.5°	734.1	743.6	749.4	751.2	753.0
25°	548.1	546.3	548.7	548.7	552.2
27.5°	360.3	360.3	366.8	362.7	358.5
30°	216.1	224.9	229.6	221.9	212.5
32.5°	117.7	126.6	134.2	123.0	114.8
35°	63.6	68.3	77.7	66.5	61.2
37.5°	34.7	38.9	44.7	37.7	34.7
40°	18.3	22.4	25.3	22.4	17.1
42.5°	5.9	11.2	14.7	11.2	5.3
45°	1.2	3.5	8.8	3.5	1.2
47.5°	0.0	0.6	4.1	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)