

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: P1326837

Luminaire Tested: LDSQA3D09R45W2N902765DE010 3LSQCDR1MMS_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326837
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_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

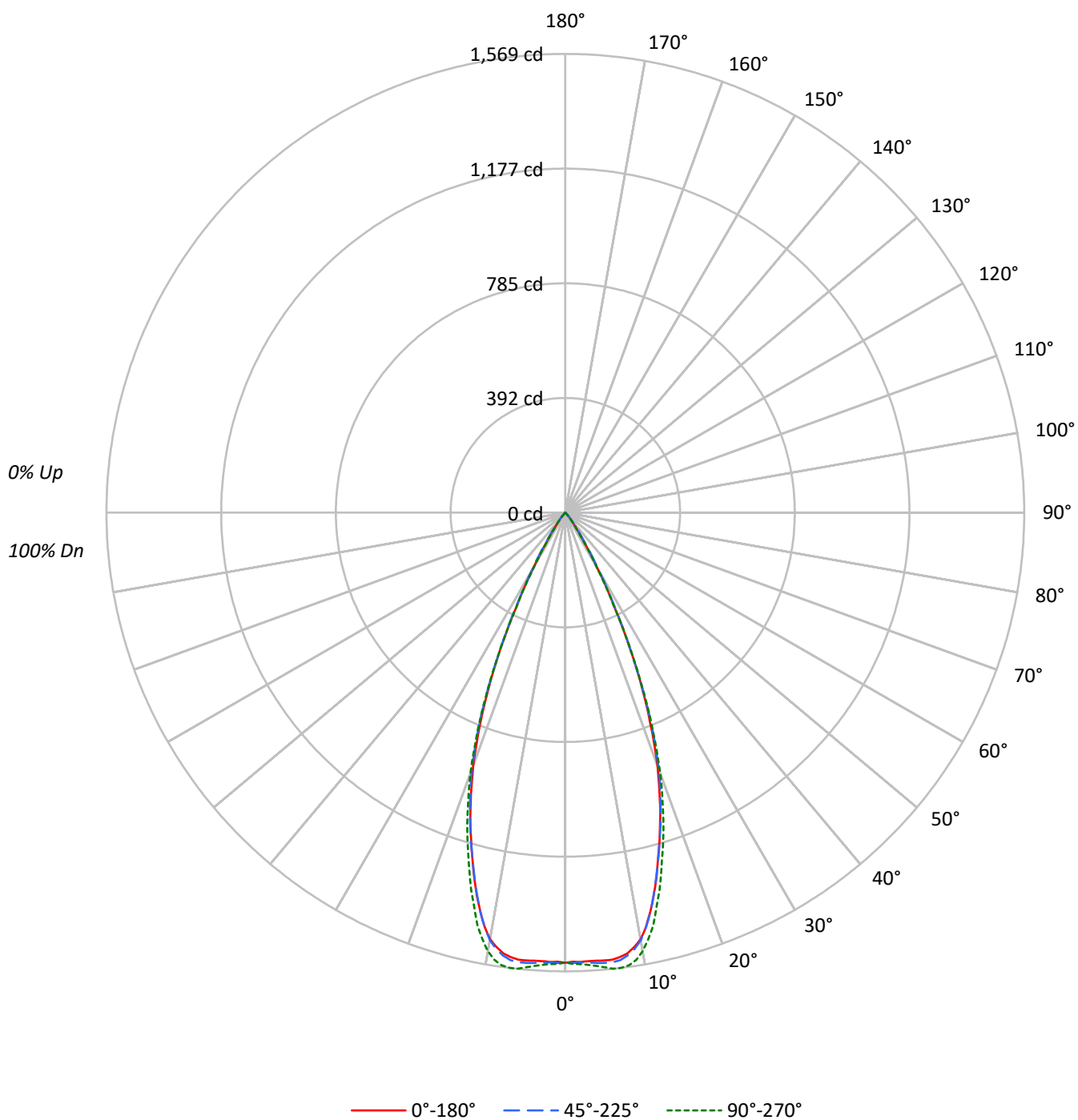
Lumens per Lamp: N/A
Luminaire Lumens: 796.0 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79	76	73	72
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71	67	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	265154	265154	265154
5°	265752	267291	269953
10°	259101	259626	266446
15°	218593	218700	225868
20°	168742	171124	173947
25°	104686	104800	105465
30°	43194	45898	42478
35°	13435	16420	12930
40°	4114	5710	3867
45°	292	2168	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: 2168 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.5	18.4
10°-20°	340.7	42.8
20°-30°	249.9	31.4
30°-40°	53.7	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°	737.1	92.6
0°-40°	790.9	99.4
0°-60°	796.0	100.0
0°-90°	796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	796.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1540	1540	1540	1540	1540	
5°	1537	1541	1546	1557	1562	145
15°	1226	1224	1227	1246	1267	338
25°	551	549	552	552	555	247
35°	64	69	78	67	62	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1539.6	1539.6	1539.6	1539.6	1539.6
1°	1536.6	1540.2	1540.2	1542.6	1543.7
2°	1537.8	1540.2	1539.6	1543.7	1545.5
3°	1536.1	1540.2	1541.4	1546.1	1549.1
4°	1536.6	1540.2	1543.7	1550.8	1555.0
5°	1537.2	1541.4	1546.1	1556.8	1561.5
6°	1537.8	1540.8	1546.1	1559.7	1568.6
7°	1531.9	1536.1	1542.0	1559.1	1568.6
8°	1522.4	1524.8	1529.5	1552.0	1563.3
9°	1504.7	1504.1	1511.2	1536.1	1549.1
10°	1481.6	1474.5	1484.6	1509.4	1523.6
11°	1444.3	1436.6	1445.5	1472.1	1485.8
12°	1395.8	1395.8	1397.6	1421.3	1444.9
13°	1344.3	1338.4	1342.0	1368.6	1385.2
14°	1287.5	1281.6	1285.2	1305.3	1331.3
15°	1226.0	1223.6	1226.6	1246.1	1266.8
17.5°	1079.9	1074.5	1085.2	1104.7	1115.4
20°	920.7	929.6	933.7	946.1	949.1
22.5°	737.8	747.3	753.2	755.0	756.8
25°	550.9	549.1	551.5	551.5	555.0
27.5°	362.1	362.1	368.6	364.5	360.3
30°	217.2	226.0	230.8	223.1	213.6
32.5°	118.3	127.2	134.9	123.7	115.4
35°	63.9	68.6	78.1	66.9	61.5
37.5°	34.9	39.1	45.0	37.9	34.9
40°	18.3	22.5	25.4	22.5	17.2
42.5°	5.9	11.2	14.8	11.2	5.3
45°	1.2	3.6	8.9	3.6	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)