Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1326569

Luminaire Tested: LDSQA3D09R35W2N902765DE010 3LSQCA45R 1MB_6500K

Issue Date: 1/29/2026

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1326569
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-77)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LDSQA3D09R35W2N902765DE010 3LSQCA45R 1MB_6500K
Description:	3in Adjustable Tunable White LED luminaire with, R35 optic, 6500K CCT AND, 90CRI , 3LSQCA45R 1MB TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	652.0 lumens
Efficiency:	N/A
Efficacy:	72.4 lumens/watt
Spacing Criteria (0/90/45):	4.01 / 0.66 / 1.41
Luminous Opening:	Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type:	Direct

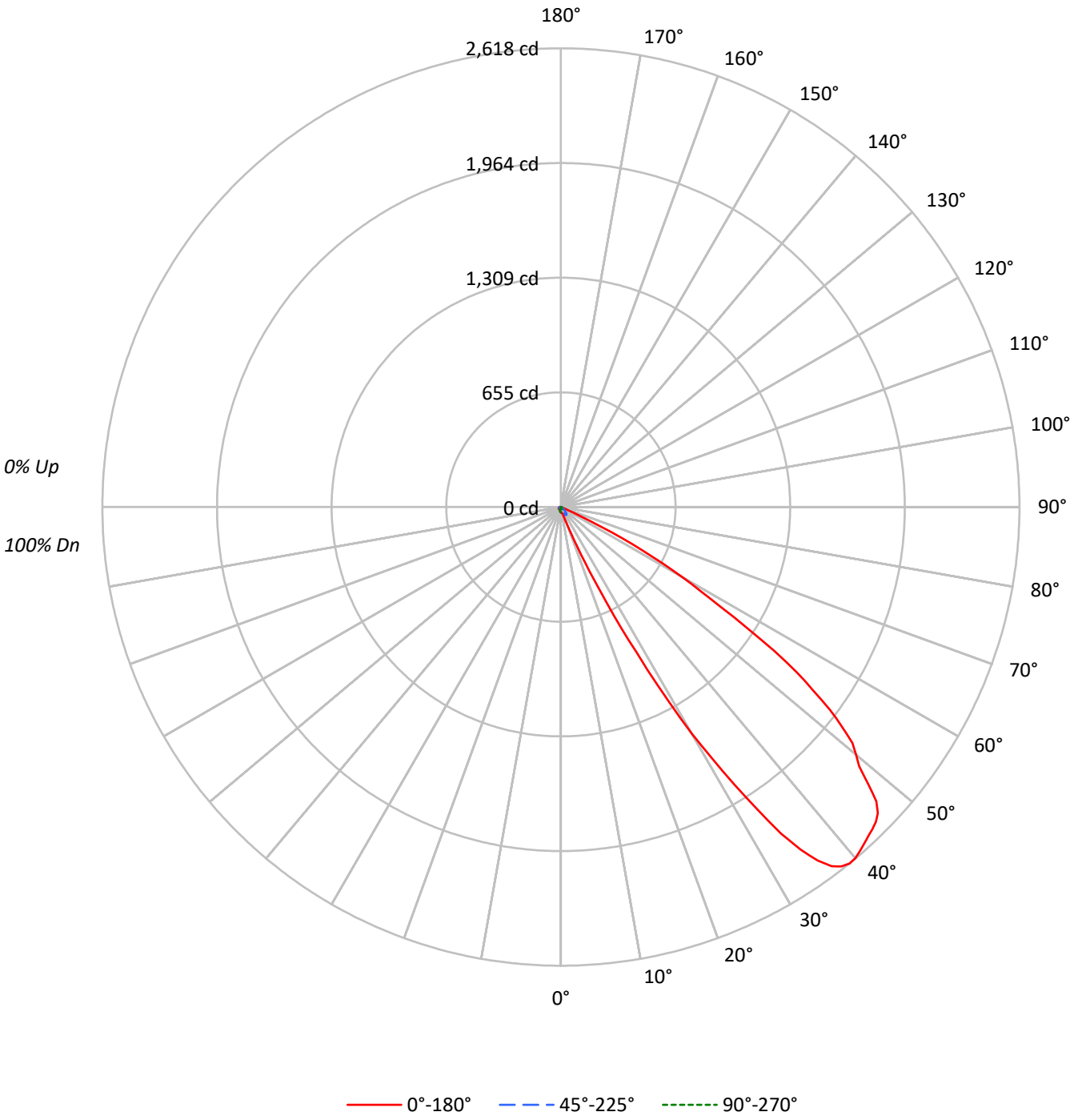
Input Watts (W):	9
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1326569
CATALOG NUMBER: LDSQA3D09R35W2N902765DE010 3LSQCA45R 1MB_6500K

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1326569
CATALOG NUMBER: LDSQA3D09R35W2N902765DE010 3LSQCA45R 1MB_6500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	110	106	102	99	107	104	100	97	100	97	94	96	93	91	92	90	89	87
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	75	62	52	46	73	61	52	45	58	51	45	56	50	44	55	49	44	42
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35
7	62	48	38	32	60	47	38	32	45	37	32	44	37	31	42	36	31	29
8	57	42	33	27	55	41	33	27	40	32	27	39	32	26	38	31	26	24
9	52	38	29	23	50	37	29	23	36	28	23	35	28	22	34	27	22	20
10	48	34	25	19	46	33	25	19	32	25	19	31	24	19	30	24	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5167	5167	5167	5167	5167
5°	5601	5498	5083	4581	4478
10°	5858	5351	4529	3917	3917
15°	8398	5242	3673	3352	3459
20°	21040	5608	2914	2914	3244
25°	97636	7164	2242	2679	3021
30°	296827	9725	1750	2466	3043
35°	501666	11269	1493	2355	2964
40°	588041	11106	1192	2383	3170
45°	619275	7891	999	2582	3434
50°	589475	4742	938	2679	3778
55°	493959	1952	1051	3003	4414
60°	276521	413	1206	3444	4857
65°	47720	245	1182	3831	5501
70°	906	302	1460	4129	6244
75°	799	399	1930	4724	7053
80°	595	595	2380	5256	8133
85°	0	1186	4742	5730	9287

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 46°
Luminance: 623653 cd/sqm

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1326569
CATALOG NUMBER: LDSQA3D09R35W2N902765DE010 3LSQCA45R 1MB_6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.4
10°-20°	7.7	1.2
20°-30°	40.0	6.1
30°-40°	172.8	26.5
40°-50°	246.4	37.8
50°-60°	152.6	23.4
60°-70°	23.2	3.6
70°-80°	4.4	0.7
80°-90°	2.2	0.3
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°	50.4	7.7
0°-40°	223.2	34.2
0°-60°	622.2	95.4
0°-90°	652.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	652.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	30	30	30	30	30	
5°	32	32	29	26	26	3
15°	47	29	21	19	19	17
25°	514	38	12	14	16	307
35°	2386	54	7	11	14	1433
45°	2543	32	4	11	14	1921
55°	1645	6	4	10	15	1401
65°	117	1	3	9	14	239
75°	1	1	3	7	11	1
85°	0	1	2	3	5	0
90°	0	0	0	0	0	

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1326569
CATALOG NUMBER: LDSQA3D09R35W2N902765DE010 3LSQCA45R 1MB_6500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	*30.0*	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
2.5°	*31.2*	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	30.0	29.4
5°	*32.4*	32.4	31.8	31.8	31.8	31.8	31.8	31.8	30.6	29.4	27.7
7.5°	*33.0*	33.0	32.4	32.4	32.4	32.4	31.8	31.2	30.0	27.7	25.9
10°	*33.5*	33.5	33.5	33.5	33.0	32.4	31.8	30.6	28.8	25.9	24.1
12.5°	*37.7*	37.7	37.1	35.9	34.7	33.5	32.4	30.0	26.5	23.5	21.8
15°	*47.1*	46.5	45.3	43.6	41.2	38.3	35.9	29.4	24.1	20.6	19.4
17.5°	*65.9*	64.7	63.0	57.1	51.8	46.5	41.8	29.4	21.8	18.2	17.1
20°	*114.8*	115.4	103.0	88.9	77.1	64.2	52.4	30.6	19.4	15.9	15.3
22.5°	*239.5*	230.1	200.7	166.6	127.1	98.3	74.2	33.5	17.1	13.5	13.5
25°	*513.8*	477.9	406.7	307.2	216.6	153.6	107.7	37.7	15.3	11.8	12.4
27.5°	*938.2*	905.8	762.8	574.4	381.4	231.9	146.0	43.0	13.5	10.0	11.2
30°	*1492.6*	1403.1	1216.6	941.7	637.4	354.9	196.0	48.9	11.2	8.8	10.6
31°	*1665.7*	1624.5	1397.3	1089.4	746.9	421.4	217.2	50.6	10.6	8.8	10.0
32°	*1871.1*	1798.1	1594.4	1251.3	858.1	480.9	242.5	52.4	10.0	7.7	10.0
33°	*2054.7*	1984.1	1736.3	1393.7	970.6	548.5	269.6	53.0	8.8	7.7	9.4
34°	*2247.7*	2151.2	1905.8	1542.6	1085.9	621.5	294.3	53.6	8.2	7.1	9.4
35°	*2386.1*	2289.5	2051.8	1660.4	1185.4	686.3	322.5	53.6	7.7	7.1	8.8
36°	*2493.2*	2408.4	2177.7	1781.6	1284.3	744.5	344.9	53.6	6.5	6.5	8.8
37°	*2566.8*	2486.1	2262.5	1885.8	1359.6	796.3	364.9	53.6	5.9	6.5	8.8
38°	*2602.7*	2535.6	2344.3	1961.7	1432.6	836.9	380.8	52.4	5.3	5.9	8.2
39°	*2618.0*	*2563.2*	*2394.3*	*2025.9*	*1487.3*	*872.3*	*392.6*	*51.2*	*4.7*	*5.9*	*8.2*
40°	*2615.6*	2567.9	2422.6	2070.0	1531.5	896.4	399.1	49.4	4.1	5.3	8.2
41°	*2602.1*	2560.9	2437.3	2107.7	1557.9	912.9	400.8	47.7	3.5	5.3	7.7
42°	*2586.8*	2549.1	2442.0	2127.7	1575.0	918.2	396.1	45.3	3.5	4.7	7.7
43°	*2570.9*	2536.1	2442.0	2134.2	1579.1	914.6	388.5	41.2	2.9	4.7	7.7
44°	*2557.9*	2525.0	2434.3	2132.4	1570.3	901.1	374.3	36.5	2.4	4.7	7.7
45°	*2542.6*	2510.2	2424.3	2121.2	1553.2	878.1	356.7	32.4	1.8	4.1	7.7
46°	*2515.5*	2490.2	2406.7	2098.3	1526.2	846.4	334.3	29.4	1.2	4.1	7.1
47°	*2463.2*	2441.4	2372.5	2064.1	1490.3	808.7	311.4	26.5	1.2	4.1	7.1
48°	*2357.8*	2357.2	2304.2	2000.5	1433.2	761.6	287.2	23.5	1.2	4.1	7.1
49°	*2256.0*	2245.4	2179.5	1888.7	1351.4	705.1	261.9	21.2	0.6	4.1	7.1
50°	*2200.1*	2177.1	2068.8	1756.9	1246.6	626.8	234.8	17.7	0.6	3.5	7.1
51°	*2141.8*	2108.8	1981.1	1638.0	1121.8	551.5	205.4	14.1	0.6	3.5	6.5
52°	*2036.5*	2005.3	1862.2	1524.4	1000.6	474.4	177.2	11.8	0.6	3.5	7.1
53°	*1922.9*	1878.1	1722.7	1399.6	894.0	406.1	148.3	10.0	0.6	3.5	6.5
54°	*1779.8*	1759.8	1581.5	1246.6	769.3	340.2	121.8	8.2	0.6	3.5	6.5
55°	*1645.1*	1615.6	1430.2	1090.0	656.3	279.0	101.8	6.5	0.6	3.5	6.5
56°	*1473.2*	1429.0	1255.4	946.4	541.5	224.8	85.9	5.3	0.6	3.5	6.5
57°	*1268.4*	1221.3	1084.1	786.9	424.9	171.3	71.8	4.1	0.6	3.5	6.5
58°	*1073.0*	1032.4	885.2	607.4	320.2	118.9	59.4	2.9	0.6	2.9	6.5
59°	*927.0*	882.3	736.3	467.3	222.5	87.7	44.7	2.4	0.6	3.5	6.5
60°	*802.8*	745.1	592.7	362.0	158.9	63.0	33.0	1.2	1.2	3.5	6.5
62.5°	*462.6*	408.5	283.1	147.1	65.3	32.4	15.9	0.6	1.2	3.5	6.5
65°	*117.1*	104.2	67.7	31.8	18.2	11.2	5.9	0.6	1.2	2.9	5.9

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1326569
CATALOG NUMBER: LDSQA3D09R35W2N902765DE010 3LSQCA45R 1MB_6500K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
67.5°	*4.1*	4.1	4.1	3.5	2.9	2.4	1.2	0.6	1.2	2.9	5.9
70°	*1.8*	1.8	1.8	1.2	1.2	0.6	0.6	0.6	1.2	2.9	5.3
72.5°	*1.2*	1.2	1.2	1.2	0.6	0.6	0.6	0.6	1.8	2.9	4.7
75°	*1.2*	1.2	1.2	1.2	0.6	0.6	0.6	0.6	1.8	2.9	4.7
77.5°	*1.2*	1.2	0.6	0.6	0.6	0.6	0.6	0.6	1.8	2.4	4.1
80°	*0.6*	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8	2.4	3.5
82.5°	*0.6*	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8	2.4	2.9
85°	*0.0*	0.0	0.0	0.0	0.0	0.6	0.0	0.6	1.8	2.4	2.4
87.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.8	2.4	1.8
90°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1326569
CATALOG NUMBER: LDSQA3D09R35W2N902765DE010 3LSQCA45R 1MB_6500K

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	30.0	30.0	30.0
2.5°	28.3	28.3	28.3
5°	26.5	26.5	25.9
7.5°	24.7	24.1	24.1
10°	22.4	22.4	22.4
12.5°	20.6	20.6	20.6
15°	18.8	19.4	19.4
17.5°	17.1	18.2	18.2
20°	15.9	17.1	17.7
22.5°	14.7	15.9	16.5
25°	14.1	15.3	15.9
27.5°	12.9	14.7	15.9
30°	12.4	14.1	15.3
31°	12.4	14.1	14.7
32°	11.8	14.1	14.7
33°	11.8	14.1	14.7
34°	11.8	13.5	14.7
35°	11.2	13.5	14.1
36°	11.2	13.5	14.1
37°	11.2	13.5	14.7
38°	11.2	13.5	14.1
39°	*10.6*	*13.5*	*14.1*
40°	10.6	13.5	14.1
41°	10.6	13.5	14.1
42°	10.6	13.5	14.1
43°	10.6	13.5	14.1
44°	10.6	12.9	14.1
45°	10.6	12.9	14.1
46°	10.6	13.5	14.1
47°	10.6	13.5	14.7
48°	10.6	12.9	14.1
49°	10.0	12.9	14.1
50°	10.0	12.9	14.1
51°	10.0	13.5	14.7
52°	10.0	13.5	14.7
53°	10.0	13.5	14.7
54°	10.0	13.5	14.1
55°	10.0	13.5	14.7
56°	10.0	13.5	14.1
57°	10.0	13.5	14.1
58°	10.0	12.9	14.1
59°	10.0	12.9	14.1
60°	10.0	12.9	14.1
62.5°	9.4	12.9	14.1
65°	9.4	12.4	13.5

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1326569
CATALOG NUMBER: LDSQA3D09R35W2N902765DE010 3LSQCA45R 1MB_6500K

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
67.5°	8.8	12.4	12.9
70°	8.2	11.8	12.4
72.5°	7.7	11.2	11.8
75°	7.1	10.0	10.6
77.5°	5.9	8.8	10.0
80°	5.3	7.7	8.2
82.5°	4.1	6.5	7.1
85°	2.9	4.7	4.7
87.5°	1.2	2.4	2.4
90°	0.0	0.0	0.0

(END OF REPORT)