

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: P1324881

Luminaire Tested: LDSQA3D05R35W2N902750DE010 3LSQCA45R 1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324881
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: LDSQA3D05R35W2N902750DE010 3LSQCA45R 1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,
3LSQCA45R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

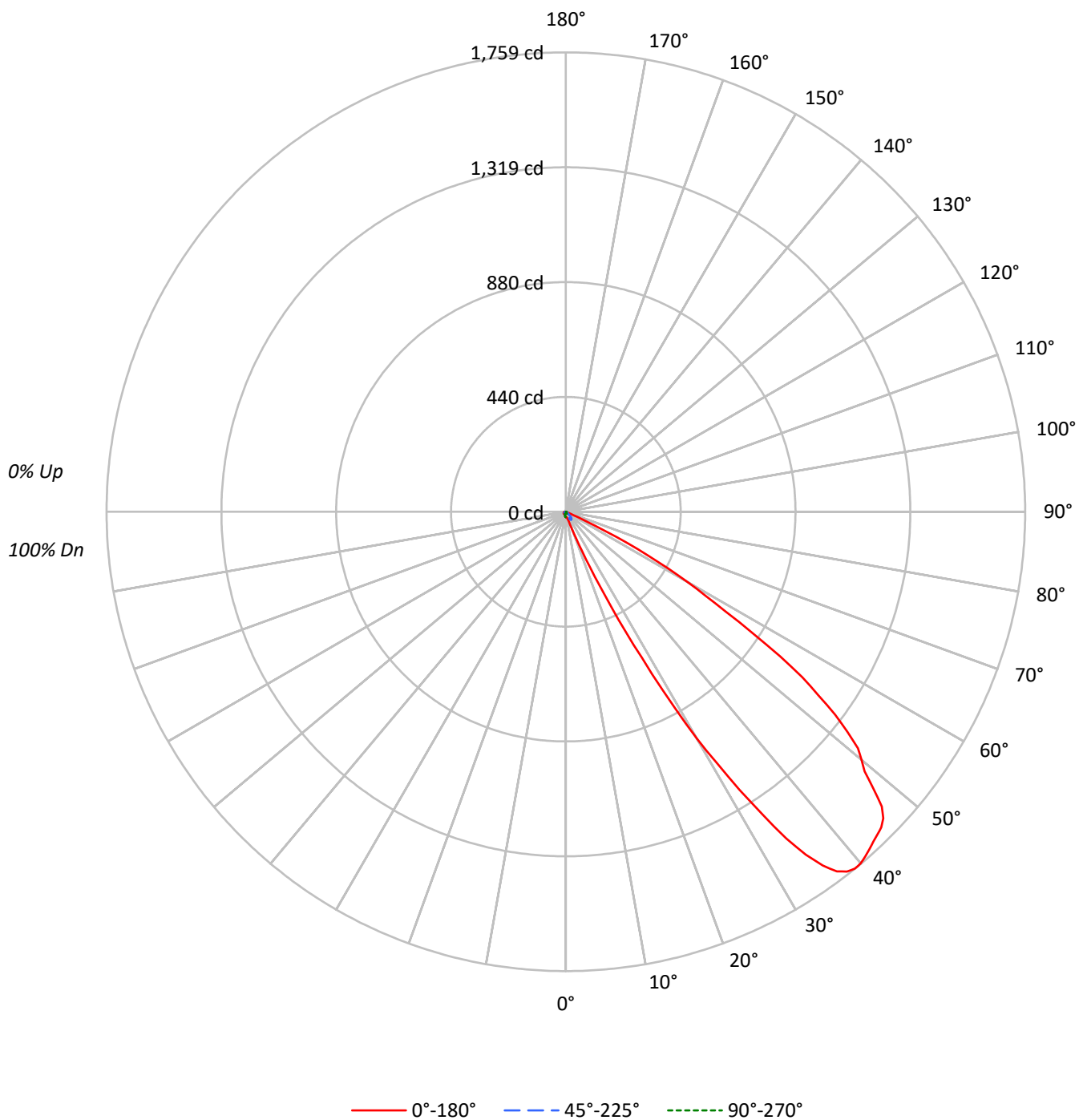
Lumens per Lamp: N/A
Luminaire Lumens: 438.0 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 4.01 / 0.66 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	110	106	102	99	107	104	100	97	100	97	94	96	93	91	92	90	89	87	87
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73	73
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61	61
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50	50
5	75	62	52	46	73	61	52	45	58	51	45	56	50	44	55	49	44	42	42
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35	35
7	62	48	38	32	60	47	38	32	45	37	32	44	37	31	42	36	31	29	29
8	57	42	33	27	55	41	33	27	40	32	27	39	32	26	38	31	26	24	24
9	52	38	29	23	50	37	29	23	36	28	23	35	28	22	34	27	22	20	20
10	48	34	25	19	46	33	25	19	32	25	19	31	24	19	30	24	19	17	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3479	3479	3479	3479	3479
5°	3752	3700	3423	3077	3008
10°	3935	3603	3043	2623	2623
15°	5634	3530	2461	2264	2318
20°	14131	3775	1961	1961	2181
25°	65597	4808	1501	1805	2033
30°	199403	6523	1173	1651	2048
35°	337002	7569	988	1577	1997
40°	395032	7464	809	1596	2136
45°	416024	5285	682	1729	2314
50°	396002	3188	643	1795	2545
55°	331818	1291	721	2012	2973
60°	185759	276	827	2308	3272
65°	32071	163	815	2567	3708
70°	604	201	1007	2769	4179
75°	532	266	1331	3127	4724
80°	397	397	1587	3570	5455
85°	0	790	3162	3952	6323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 46°

Luminance: 418967 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.4
10°-20°	5.2	1.2
20°-30°	26.9	6.1
30°-40°	116.1	26.5
40°-50°	165.6	37.8
50°-60°	102.5	23.4
60°-70°	15.6	3.6
70°-80°	2.9	0.7
80°-90°	1.5	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°	33.9	7.7
0°-40°	149.9	34.2
0°-60°	418.0	95.4
0°-90°	438.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	438.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	22	21	20	18	17	2
15°	32	20	14	13	13	11
25°	345	25	8	10	11	207
35°	1603	36	5	8	10	962
45°	1708	22	3	7	10	1290
55°	1105	4	2	7	10	941
65°	79	0	2	6	9	161
75°	1	0	2	5	7	1
85°	0	0	2	2	3	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
2.5°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.2	19.8
5°	21.7	21.7	21.4	21.4	21.4	21.4	21.4	21.4	20.6	19.8	18.6
7.5°	22.1	22.1	21.7	21.7	21.7	21.7	21.4	21.0	20.2	18.6	17.4
10°	22.5	22.5	22.5	22.5	22.1	21.7	21.4	20.6	19.4	17.4	16.2
12.5°	25.3	25.3	24.9	24.1	23.3	22.5	21.7	20.2	17.8	15.8	14.6
15°	31.6	31.2	30.4	29.3	27.7	25.7	24.1	19.8	16.2	13.8	13.0
17.5°	44.3	43.5	42.3	38.4	34.8	31.2	28.1	19.8	14.6	12.3	11.5
20°	77.1	77.5	69.2	59.7	51.8	43.1	35.2	20.6	13.0	10.7	10.3
22.5°	160.9	154.6	134.8	111.9	85.4	66.0	49.8	22.5	11.5	9.1	9.1
25°	345.2	321.1	273.2	206.4	145.5	103.2	72.4	25.3	10.3	7.9	8.3
27.5°	630.2	608.5	512.4	385.9	256.2	155.8	98.1	28.9	9.1	6.7	7.5
30°	1002.7	942.6	817.3	632.6	428.2	238.4	131.7	32.8	7.5	5.9	7.1
31°	1119.0	1091.3	938.7	731.9	501.7	283.1	145.9	34.0	7.1	5.9	6.7
32°	1256.9	1207.9	1071.1	840.6	576.5	323.0	162.9	35.2	6.7	5.1	6.7
33°	1380.3	1332.9	1166.4	936.3	652.0	368.5	181.1	35.6	5.9	5.1	6.3
34°	1510.0	1445.1	1280.3	1036.3	729.5	417.5	197.7	36.0	5.5	4.7	6.3
35°	1602.9	1538.1	1378.3	1115.4	796.3	461.0	216.7	36.0	5.1	4.7	5.9
36°	1674.9	1617.9	1462.9	1196.8	862.7	500.2	231.7	36.0	4.3	4.3	5.9
37°	1724.3	1670.1	1519.9	1266.8	913.3	535.0	245.1	36.0	4.0	4.3	5.9
38°	1748.4	1703.3	1574.8	1317.8	962.4	562.2	255.8	35.2	3.6	4.0	5.5
39°	1758.7	1721.9	1608.4	1360.9	999.1	586.0	263.7	34.4	3.2	4.0	5.5
40°	1757.1	1725.1	1627.4	1390.6	1028.8	602.2	268.1	33.2	2.8	3.6	5.5
41°	1748.0	1720.3	1637.3	1415.9	1046.6	613.2	269.3	32.0	2.4	3.6	5.1
42°	1737.7	1712.4	1640.5	1429.3	1058.1	616.8	266.1	30.4	2.4	3.2	5.1
43°	1727.1	1703.7	1640.5	1433.7	1060.8	614.4	261.0	27.7	2.0	3.2	5.1
44°	1718.4	1696.2	1635.3	1432.5	1054.9	605.3	251.5	24.5	1.6	3.2	5.1
45°	1708.1	1686.3	1628.6	1425.0	1043.4	589.9	239.6	21.7	1.2	2.8	5.1
46°	1689.9	1672.9	1616.7	1409.6	1025.2	568.6	224.6	19.8	0.8	2.8	4.7
47°	1654.7	1640.1	1593.8	1386.6	1001.1	543.3	209.2	17.8	0.8	2.8	4.7
48°	1583.9	1583.5	1547.9	1343.9	962.8	511.6	192.9	15.8	0.8	2.8	4.7
49°	1515.5	1508.4	1464.1	1268.8	907.8	473.7	175.9	14.2	0.4	2.8	4.7
50°	1478.0	1462.5	1389.8	1180.2	837.4	421.1	157.8	11.9	0.4	2.4	4.7
51°	1438.8	1416.7	1330.9	1100.4	753.6	370.5	138.0	9.5	0.4	2.4	4.3
52°	1368.0	1347.1	1251.0	1024.1	672.2	318.7	119.0	7.9	0.4	2.4	4.7
53°	1291.7	1261.7	1157.3	940.2	600.6	272.8	99.6	6.7	0.4	2.4	4.3
54°	1195.7	1182.2	1062.4	837.4	516.8	228.5	81.8	5.5	0.4	2.4	4.3
55°	1105.1	1085.3	960.8	732.3	440.9	187.4	68.4	4.3	0.4	2.4	4.3
56°	989.7	960.0	843.4	635.8	363.8	151.0	57.7	3.6	0.4	2.4	4.3
57°	852.1	820.4	728.3	528.6	285.5	115.1	48.2	2.8	0.4	2.4	4.3
58°	720.8	693.5	594.7	408.0	215.1	79.9	39.9	2.0	0.4	2.0	4.3
59°	622.7	592.7	494.6	313.9	149.5	58.9	30.0	1.6	0.4	2.4	4.3
60°	539.3	500.6	398.2	243.2	106.8	42.3	22.1	0.8	0.8	2.4	4.3
62.5°	310.8	274.4	190.2	98.8	43.9	21.7	10.7	0.4	0.8	2.4	4.3
65°	78.7	70.0	45.5	21.4	12.3	7.5	4.0	0.4	0.8	2.0	4.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
67.5°	2.8	2.8	2.8	2.4	2.0	1.6	0.8	0.4	0.8	2.0	4.0
70°	1.2	1.2	1.2	0.8	0.8	0.4	0.4	0.4	0.8	2.0	3.6
72.5°	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	1.2	2.0	3.2
75°	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	1.2	2.0	3.2
77.5°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.6	2.8
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.6	2.4
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.6	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.4	1.2	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2	1.6	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	20.2	20.2	20.2
2.5°	19.0	19.0	19.0
5°	17.8	17.8	17.4
7.5°	16.6	16.2	16.2
10°	15.0	15.0	15.0
12.5°	13.8	13.8	13.8
15°	12.7	13.0	13.0
17.5°	11.5	12.3	12.3
20°	10.7	11.5	11.9
22.5°	9.9	10.7	11.1
25°	9.5	10.3	10.7
27.5°	8.7	9.9	10.7
30°	8.3	9.5	10.3
31°	8.3	9.5	9.9
32°	7.9	9.5	9.9
33°	7.9	9.5	9.9
34°	7.9	9.1	9.9
35°	7.5	9.1	9.5
36°	7.5	9.1	9.5
37°	7.5	9.1	9.9
38°	7.5	9.1	9.5
39°	7.1	9.1	9.5
40°	7.1	9.1	9.5
41°	7.1	9.1	9.5
42°	7.1	9.1	9.5
43°	7.1	9.1	9.5
44°	7.1	8.7	9.5
45°	7.1	8.7	9.5
46°	7.1	9.1	9.5
47°	7.1	9.1	9.9
48°	7.1	8.7	9.5
49°	6.7	8.7	9.5
50°	6.7	8.7	9.5
51°	6.7	9.1	9.9
52°	6.7	9.1	9.9
53°	6.7	9.1	9.9
54°	6.7	9.1	9.5
55°	6.7	9.1	9.9
56°	6.7	9.1	9.5
57°	6.7	9.1	9.5
58°	6.7	8.7	9.5
59°	6.7	8.7	9.5
60°	6.7	8.7	9.5
62.5°	6.3	8.7	9.5
65°	6.3	8.3	9.1

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
67.5°	5.9	8.3	8.7
70°	5.5	7.9	8.3
72.5°	5.1	7.5	7.9
75°	4.7	6.7	7.1
77.5°	4.0	5.9	6.7
80°	3.6	5.1	5.5
82.5°	2.8	4.3	4.7
85°	2.0	3.2	3.2
87.5°	0.8	1.6	1.6
90°	0.0	0.0	0.0

(END OF REPORT)