

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS
Report Number: P598962

Luminaire Tested: **IFLD-L-SA8C-735-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598962
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8C-735-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (128) 3500K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

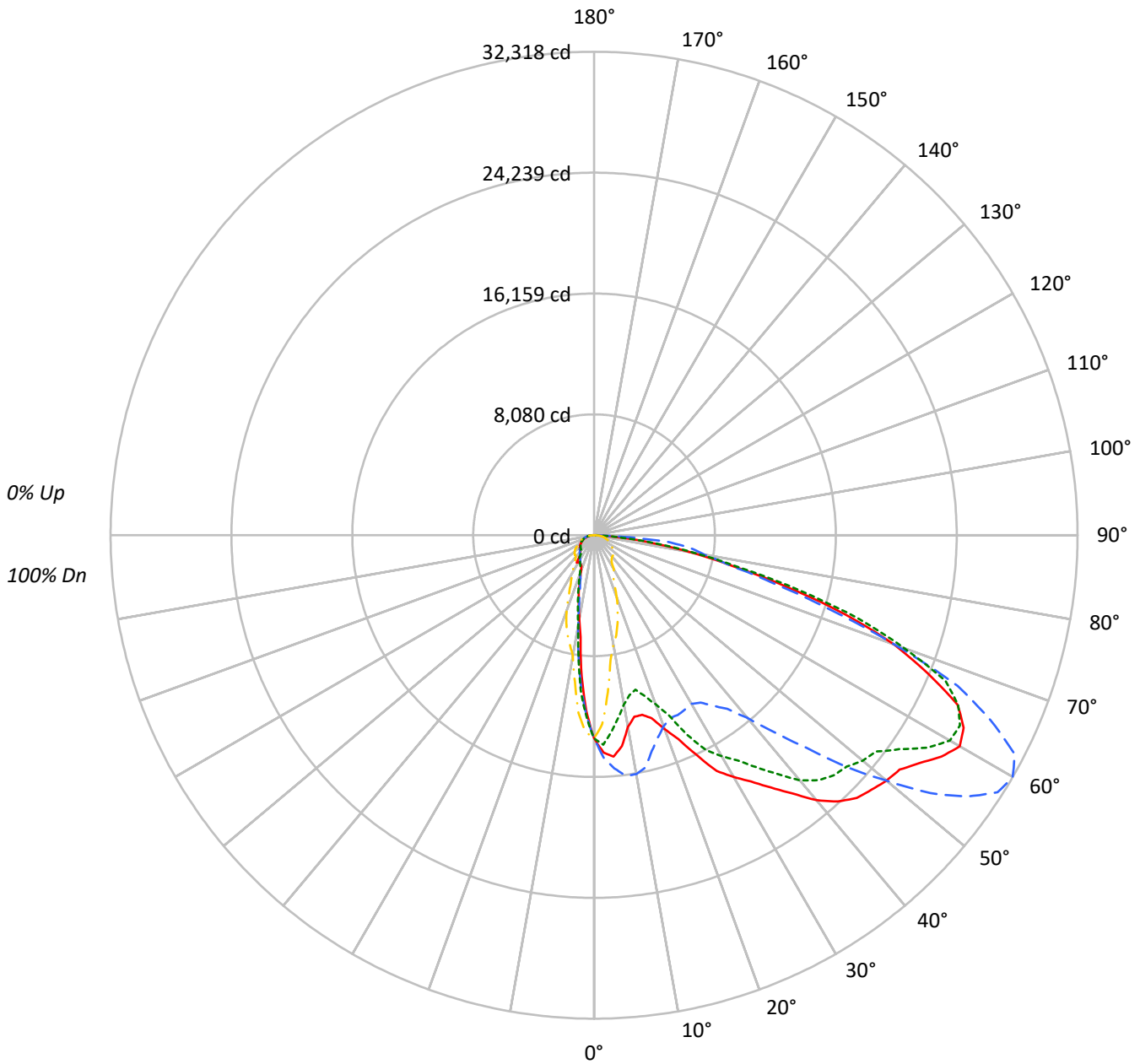
Lumens per Lamp: N/A
 Luminaire Lumens: 42504.6 lumens
 Efficiency: N/A
 Efficacy: 101.1 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 420.3
 Input Voltage (V): 120
 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: 25 FT

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	GONIO 1 IN0055	4/22/2021	10/22/2021
Power Meter	XITRON 2801 IN0197	12/1/2020	12/1/2021
AC Power Source	CHROMA 61505 IN0196	12/1/2020	12/1/2021
DC Power Supply	AGILENT E3634A IN0198	11/30/2020	11/30/2021
Room Thermometer	ONSET IN0143	12/1/2020	12/1/2021

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ··· 90°-270° - · 135°-315°

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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	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	80	80	80	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	62	62	62	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	50	50	50	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	40	40	40	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	34	34	34	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	29	29	29	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	25	25	25	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	22	22	22	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	19	19	19	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	17	17	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	73064	73064	73064	73064
5°	80270	71306	51136	55822
10°	71100	62753	31016	33283
15°	69233	59568	21957	22798
20°	78941	68898	14362	15875
25°	96181	87335	12541	12988
30°	115888	105928	13006	12069
35°	135155	124377	10778	10158
40°	162408	150221	10068	9538
45°	189005	172644	10189	9471
50°	213600	196234	10419	9788
55°	249105	233889	10793	10261
60°	303824	295503	10756	10756
65°	341445	341927	11045	11525
70°	335569	347437	11572	11868
75°	276807	295235	12154	12938
80°	199861	209795	13442	14025
85°	110608	118760	15135	18630

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1054.7	2.5
10°-20°	2226.7	5.2
20°-30°	3257.9	7.7
30°-40°	4590.3	10.8
40°-50°	6308.4	14.8
50°-60°	8597.6	20.2
60°-70°	9409.7	22.1
70°-80°	5432.6	12.8
80°-90°	1626.8	3.8
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°	6539.3	15.4
0°-40°	11129.6	26.2
0°-60°	26035.5	61.3
0°-90°	42504.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	42504.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	13576	13576	13576	13576	13576	
5°	14858	13199	9465	10333	14858	1349
15°	12426	10691	3941	4092	12426	3630
25°	16197	14707	2112	2187	16197	7584
35°	20571	18931	1640	1546	20571	13044
45°	24832	22683	1339	1244	24832	19086
55°	26548	24926	1150	1094	26548	23954
65°	26812	26850	867	905	26812	25662
75°	13312	14198	584	622	13312	14300
85°	1791	1923	245	302	1791	2485
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7
2.5°	14537.3	14480.8	14537.3	14744.7	14801.3	14895.6	14895.6	14763.6	14518.5	14405.3	14216.8
5°	14857.9	14763.6	15235.0	15668.6	16008.0	15970.3	15649.8	15385.8	14895.6	14160.2	13462.6
7.5°	14216.8	14311.1	14650.5	15781.8	16573.7	16724.5	16215.4	15687.5	14631.6	13613.4	12670.7
10°	13010.1	13142.0	13877.4	15046.4	16290.9	16536.0	16215.4	15574.4	14311.1	13047.8	11954.2
12.5°	12425.6	12727.2	13160.9	14575.0	15461.2	16045.7	15894.9	15480.1	14066.0	12576.4	11520.5
15°	12425.6	12501.0	13142.0	14329.9	14839.0	14857.9	14914.4	14989.9	14141.4	12783.8	11369.7
17.5°	12821.5	13028.9	13575.7	14311.1	14405.3	14179.1	14179.1	14499.6	14292.2	13368.3	11916.5
20°	13783.1	13707.7	14424.2	14725.9	14216.8	13651.1	13594.6	14141.4	14461.9	13990.5	12915.8
22.5°	14744.7	15084.1	15668.6	14989.9	14047.1	13292.9	13217.5	13896.3	14971.0	15065.3	14066.0
25°	16196.6	16536.0	16837.7	16008.0	14028.2	13198.6	13255.2	13783.1	15593.2	16592.5	15989.2
27.5°	17761.6	17969.0	18402.6	17120.5	14480.8	13085.5	13142.0	13934.0	16177.7	17591.9	17497.6
30°	18647.8	18874.0	18779.7	17327.9	14782.4	13160.9	13010.1	14141.4	15857.2	17591.9	18478.1
32.5°	19515.1	19383.1	19326.5	17667.3	15159.6	13632.3	13255.2	14575.0	16045.7	17874.7	19741.4
35°	20571.0	20382.4	20231.6	18327.2	15781.8	14084.8	13915.1	15140.7	16460.6	18459.2	20759.5
37.5°	21740.0	21740.0	21004.7	18817.5	16517.1	14820.2	14631.6	15951.5	17120.5	18817.5	22154.8
40°	23116.4	23173.0	21872.0	19477.4	17346.8	15989.2	15932.6	17007.4	17761.6	19345.4	23493.5
42.5°	24134.6	24172.3	22626.2	19722.5	18308.4	17610.7	17855.8	18704.3	18496.9	19816.8	23587.8
45°	24832.3	24643.7	23154.1	20420.1	19364.3	20043.0	20118.5	20363.6	19458.5	20099.6	23964.9
47.5°	25171.6	25133.9	23380.4	21230.9	21589.2	22513.1	22946.7	22607.3	20344.7	19797.9	23964.9
50°	25511.0	25190.5	23587.8	22343.4	23757.5	25624.2	25529.9	24907.7	21570.3	20175.0	23606.7
52.5°	25737.3	25454.5	24002.6	23342.7	25831.6	27943.4	28320.5	27170.3	23003.3	20872.7	23776.4
55°	26548.1	26321.8	25247.1	24700.3	28226.2	30394.5	30451.1	28848.4	24511.7	22022.8	24888.8
57.5°	27528.5	27660.5	26962.9	26623.5	30055.1	32185.8	31978.4	30092.8	25793.9	23418.1	26171.0
60°	28226.2	28433.6	28263.9	28301.6	30960.2	32789.1	32317.8	30865.9	26736.6	24474.0	27735.9
62.5°	27849.1	28263.9	28961.5	28810.7	30997.9	32355.5	31695.5	29847.7	26849.8	25850.4	28923.8
65°	26812.0	26849.8	28207.3	29037.0	29300.9	30111.7	29244.4	27717.1	25680.7	26698.9	28754.1
67.5°	24153.5	24455.1	25680.7	27302.3	26189.8	26378.4	26303.0	24096.9	23908.3	26114.4	27453.1
70°	21325.2	21532.6	22871.3	24775.7	22117.1	21230.9	21400.6	19760.2	20533.3	24304.3	24832.3
72.5°	17629.6	17761.6	19288.8	20966.9	17742.7	16158.9	16554.8	15216.1	16309.7	21268.6	20948.1
75°	13311.7	13556.9	14744.7	16724.5	13066.6	12048.4	12444.4	11897.6	12915.8	17516.4	16253.2
77.5°	9465.3	9276.7	10747.4	13085.5	9823.5	9220.2	9257.9	9352.2	10445.8	14763.6	11671.3
80°	6448.5	6505.0	7824.9	9597.3	7711.8	7617.5	7523.2	8277.4	8767.7	11690.2	8484.8
82.5°	3827.6	3827.6	5279.4	6825.6	6090.2	6863.3	6429.6	7108.4	6863.3	8598.0	5562.3
85°	1791.2	1791.2	2715.1	4921.2	4713.8	5656.5	4808.1	5373.7	5072.0	5995.9	2507.7
87.5°	301.7	264.0	546.8	2413.5	1942.1	2206.1	867.3	2866.0	3186.5	4185.8	622.2
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7
2.5°	14009.4	13877.4	13613.4	13274.0	12991.2	12633.0	12519.8	12274.7	11935.3	11897.6	11746.8
5°	13198.6	12746.1	12180.4	11482.8	11011.4	10521.2	10106.4	9861.3	9578.4	9540.7	9465.3
7.5°	12312.4	11746.8	10804.0	9974.4	9163.6	8390.5	8013.4	7542.1	7221.5	6976.4	6863.3
10°	11482.8	10954.9	9785.8	8654.5	7938.0	7428.9	6976.4	6486.2	6090.2	5788.5	5675.4
12.5°	10936.0	10313.8	9050.5	7975.7	7447.8	6863.3	6354.2	5826.2	5317.2	4921.2	4713.8
15°	10690.9	10106.4	8824.2	7636.3	6863.3	6052.5	5468.0	4940.1	4317.8	4035.0	3940.7
17.5°	11275.4	10408.1	8748.8	7240.4	6146.8	5222.9	4506.4	3940.7	3488.2	3205.4	3092.2
20°	12029.6	10954.9	8880.8	6769.0	5468.0	4431.0	3639.0	3035.7	2734.0	2526.6	2507.7
22.5°	12991.2	11765.6	9088.2	6429.6	4713.8	3563.6	2847.1	2488.9	2281.5	2262.6	2224.9
25°	14707.0	13236.3	9427.6	5977.1	4110.4	2941.4	2432.3	2224.9	2130.6	2074.1	2111.8
27.5°	16177.7	14197.9	9672.7	5694.3	3865.3	2771.7	2356.9	2130.6	2036.4	2017.5	2036.4
30°	17045.1	15084.1	9597.3	5166.3	3375.1	2639.7	2507.7	2432.3	2243.8	2092.9	2092.9
32.5°	17837.0	15649.8	9578.4	4694.9	2884.8	2206.1	2092.9	2036.4	2149.5	2224.9	2168.3
35°	18930.6	16536.0	9521.9	4431.0	2677.4	2036.4	1847.8	1697.0	1621.5	1583.8	1640.4
37.5°	20099.6	17139.3	9371.0	4393.3	2564.3	1942.1	1791.2	1640.4	1565.0	1527.3	1508.4
40°	21381.8	17780.4	9201.3	4204.7	2507.7	1885.5	1734.7	1602.7	1508.4	1451.8	1433.0
42.5°	22211.4	18289.5	9031.6	4110.4	2394.6	1847.8	1678.1	1565.0	1470.7	1395.3	1395.3
45°	22682.8	18892.9	8861.9	4016.1	2262.6	1866.7	1678.1	1527.3	1414.1	1376.4	1338.7
47.5°	22890.2	19345.4	8805.4	3865.3	2149.5	1791.2	1640.4	1489.6	1376.4	1301.0	1282.2
50°	23437.0	20307.0	9012.8	3752.2	2017.5	1715.8	1734.7	1470.7	1357.6	1263.3	1244.4
52.5°	23757.5	21080.1	9465.3	3582.5	1923.2	1621.5	1697.0	1433.0	1301.0	1206.7	1206.7
55°	24926.5	22362.2	9955.5	3450.5	1810.1	1489.6	1565.0	1357.6	1206.7	1150.2	1150.2
57.5°	26416.1	23719.8	10370.3	3393.9	1734.7	1395.3	1395.3	1319.9	1150.2	1074.7	1055.9
60°	27453.1	24832.3	10615.5	3356.2	1659.3	1301.0	1244.4	1319.9	1093.6	1018.2	999.3
62.5°	27566.2	24191.2	10370.3	3337.4	1640.4	1206.7	1131.3	1263.3	1037.0	961.6	923.9
65°	26849.8	22890.2	9691.6	3261.9	1621.5	1112.5	1055.9	1093.6	961.6	905.0	867.3
67.5°	25416.8	20778.4	8711.1	3224.2	1602.7	1037.0	961.6	942.8	886.2	829.6	791.9
70°	22079.4	18025.5	7560.9	3054.5	1565.0	980.5	867.3	848.5	791.9	754.2	735.4
72.5°	18534.6	14744.7	6241.1	2828.3	1489.6	886.2	791.9	754.2	735.4	678.8	659.9
75°	14197.9	11350.8	4996.6	2507.7	1301.0	791.9	697.6	659.9	641.1	603.4	584.5
77.5°	9974.4	8447.1	3695.6	2036.4	1093.6	716.5	622.2	584.5	565.7	509.1	509.1
80°	6769.0	5920.5	2507.7	1414.1	848.5	584.5	546.8	509.1	471.4	433.7	433.7
82.5°	4204.7	4148.1	1810.1	923.9	622.2	471.4	433.7	433.7	377.1	339.4	339.4
85°	1923.2	2545.4	1263.3	641.1	471.4	358.2	358.2	339.4	301.7	245.1	245.1
87.5°	603.4	848.5	659.9	282.8	264.0	207.4	207.4	188.6	188.6	150.8	150.8
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7
2.5°	11897.6	11878.8	11878.8	11803.3	11991.9	11991.9	12105.0	12010.7	12067.3	12086.2	12237.0
5°	9446.4	9597.3	9710.4	9936.7	10068.7	10125.2	10125.2	10276.1	10219.5	10332.6	10558.9
7.5°	6919.8	7108.4	7447.8	7730.6	7956.9	8032.3	8013.4	8051.2	8107.7	7975.7	8013.4
10°	5600.0	5468.0	5581.1	5845.1	6052.5	6297.6	6109.1	6090.2	6146.8	6090.2	6203.3
12.5°	4676.1	4525.2	4431.0	4431.0	4581.8	4694.9	4638.4	4732.6	4940.1	4996.6	5128.6
15°	3789.9	3657.9	3582.5	3488.2	3639.0	3676.8	3733.3	3865.3	4016.1	4091.6	4242.4
17.5°	3035.7	3035.7	3035.7	2960.3	3016.8	3073.4	3092.2	3261.9	3280.8	3356.2	3412.8
20°	2488.9	2545.4	2639.7	2677.4	2734.0	2734.0	2696.3	2790.6	2715.1	2771.7	2809.4
22.5°	2243.8	2319.2	2356.9	2375.8	2451.2	2470.0	2375.8	2394.6	2413.5	2356.9	2375.8
25°	2111.8	2149.5	2111.8	2130.6	2149.5	2111.8	2130.6	2168.3	2149.5	2187.2	2168.3
27.5°	2055.2	2017.5	1998.6	1979.8	1979.8	1942.1	1960.9	1960.9	1998.6	2017.5	2017.5
30°	2055.2	1998.6	1923.2	1866.7	1866.7	1810.1	1847.8	1885.5	1904.4	1942.1	1942.1
32.5°	2111.8	1998.6	1866.7	1810.1	1753.5	1715.8	1753.5	1810.1	1885.5	1904.4	1923.2
35°	1678.1	1734.7	1715.8	1640.4	1621.5	1621.5	1602.7	1602.7	1546.1	1546.1	1527.3
37.5°	1508.4	1489.6	1527.3	1546.1	1565.0	1508.4	1508.4	1433.0	1414.1	1433.0	1433.0
40°	1414.1	1414.1	1414.1	1470.7	1489.6	1451.8	1395.3	1357.6	1357.6	1357.6	1376.4
42.5°	1376.4	1338.7	1319.9	1357.6	1414.1	1376.4	1319.9	1301.0	1301.0	1319.9	1319.9
45°	1319.9	1301.0	1282.2	1263.3	1338.7	1282.2	1263.3	1244.4	1244.4	1244.4	1263.3
47.5°	1263.3	1244.4	1206.7	1206.7	1225.6	1206.7	1187.9	1187.9	1187.9	1225.6	1225.6
50°	1225.6	1206.7	1169.0	1169.0	1169.0	1169.0	1150.2	1150.2	1150.2	1169.0	1187.9
52.5°	1169.0	1150.2	1131.3	1112.5	1112.5	1112.5	1112.5	1112.5	1112.5	1131.3	1150.2
55°	1112.5	1093.6	1074.7	1074.7	1093.6	1093.6	1074.7	1093.6	1074.7	1093.6	1112.5
57.5°	1055.9	1037.0	1018.2	1037.0	1055.9	1037.0	1037.0	1037.0	1037.0	1037.0	1055.9
60°	980.5	980.5	980.5	980.5	1018.2	1018.2	1018.2	1018.2	980.5	999.3	1018.2
62.5°	942.8	923.9	923.9	942.8	961.6	961.6	980.5	961.6	942.8	961.6	961.6
65°	867.3	867.3	867.3	886.2	886.2	905.0	905.0	905.0	886.2	905.0	905.0
67.5°	810.8	810.8	810.8	810.8	848.5	848.5	848.5	848.5	829.6	829.6	848.5
70°	716.5	735.4	716.5	754.2	791.9	773.1	791.9	791.9	773.1	754.2	791.9
72.5°	659.9	659.9	659.9	659.9	716.5	716.5	716.5	735.4	716.5	697.6	716.5
75°	584.5	584.5	584.5	603.4	641.1	641.1	641.1	641.1	641.1	622.2	622.2
77.5°	509.1	527.9	509.1	527.9	565.7	546.8	565.7	584.5	565.7	546.8	546.8
80°	433.7	433.7	433.7	452.5	471.4	471.4	471.4	490.2	471.4	452.5	452.5
82.5°	339.4	339.4	358.2	358.2	377.1	377.1	377.1	396.0	377.1	358.2	358.2
85°	264.0	264.0	264.0	282.8	282.8	301.7	301.7	320.5	320.5	301.7	301.7
87.5°	169.7	150.8	169.7	169.7	188.6	188.6	169.7	150.8	169.7	150.8	132.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7	13575.7
2.5°	12387.8	12727.2	12972.4	13142.0	13387.2	13858.5	14047.1	14386.5	14480.8	14537.3
5°	10653.2	11011.4	11539.4	11916.5	12350.1	13236.3	13915.1	14424.2	14650.5	14857.9
7.5°	8352.8	8824.2	9371.0	9861.3	10577.7	11671.3	12557.5	13613.4	14009.4	14216.8
10°	6523.9	6957.6	7560.9	8164.3	9163.6	10087.5	11350.8	12312.4	12859.2	13010.1
12.5°	5505.7	6014.8	6731.3	7466.6	8088.9	9144.8	10426.9	11822.2	12331.3	12425.6
15°	4676.1	5373.7	6109.1	6863.3	7579.8	8503.7	9880.1	11577.1	12331.3	12425.6
17.5°	3865.3	4487.5	5354.9	6165.6	6995.3	8258.6	9974.4	11784.5	12538.7	12821.5
20°	3073.4	3676.8	4355.5	5373.7	6505.0	7843.7	10181.8	12482.1	13481.4	13783.1
22.5°	2545.4	2809.4	3469.4	4449.8	5788.5	7560.9	10389.2	13575.7	14631.6	14744.7
25°	2224.9	2413.5	2828.3	3752.2	5222.9	7372.4	10879.4	14839.0	16196.6	16196.6
27.5°	2074.1	2149.5	2432.3	3261.9	4826.9	7202.7	11369.7	16234.3	17497.6	17761.6
30°	2036.4	2224.9	2375.8	2903.7	4393.3	6731.3	11822.2	17327.9	18628.9	18647.8
32.5°	1998.6	1960.9	2074.1	2526.6	3865.3	6241.1	12199.3	18440.4	19458.5	19515.1
35°	1565.0	1640.4	1829.0	2224.9	3469.4	5882.8	12387.8	19043.7	20514.4	20571.0
37.5°	1470.7	1565.0	1715.8	2055.2	3205.4	5581.1	12444.4	20212.7	21626.9	21740.0
40°	1433.0	1508.4	1621.5	1904.4	2998.0	5204.0	12557.5	21419.5	23267.3	23116.4
42.5°	1357.6	1451.8	1565.0	1829.0	2828.3	4921.2	12576.4	22079.4	24134.6	24134.6
45°	1338.7	1395.3	1527.3	1829.0	2639.7	4676.1	12274.7	22739.3	25133.9	24832.3
47.5°	1263.3	1376.4	1489.6	1772.4	2413.5	4431.0	11916.5	23078.7	25265.9	25171.6
50°	1244.4	1357.6	1546.1	1678.1	2281.5	4317.8	11841.0	23927.2	25529.9	25511.0
52.5°	1206.7	1319.9	1602.7	1602.7	2111.8	4167.0	12199.3	24304.3	25586.5	25737.3
55°	1150.2	1319.9	1489.6	1470.7	1960.9	3978.4	12595.2	25284.8	26585.8	26548.1
57.5°	1112.5	1282.2	1414.1	1338.7	1791.2	3846.5	13179.8	26227.5	27792.5	27528.5
60°	1055.9	1282.2	1263.3	1244.4	1659.3	3733.3	13670.0	26416.1	28056.5	28226.2
62.5°	1018.2	1338.7	1112.5	1150.2	1546.1	3676.8	13462.6	25001.9	27698.2	27849.1
65°	980.5	1150.2	1018.2	1055.9	1508.4	3563.6	12651.8	23305.0	26152.1	26812.0
67.5°	905.0	942.8	942.8	980.5	1470.7	3299.7	10992.6	20250.4	23795.2	24153.5
70°	829.6	848.5	848.5	905.0	1433.0	2998.0	9069.3	17516.4	20646.4	21325.2
72.5°	754.2	754.2	754.2	829.6	1319.9	2752.9	7466.6	13462.6	17158.2	17629.6
75°	659.9	659.9	659.9	735.4	1187.9	2507.7	5882.8	10012.1	12633.0	13311.7
77.5°	584.5	584.5	565.7	659.9	1037.0	2036.4	4242.4	7070.7	8899.6	9465.3
80°	490.2	471.4	471.4	527.9	810.8	1470.7	2734.0	4996.6	6203.3	6448.5
82.5°	396.0	377.1	358.2	396.0	584.5	923.9	1697.0	3488.2	3978.4	3827.6
85°	377.1	396.0	320.5	301.7	414.8	603.4	1074.7	2149.5	1791.2	1791.2
87.5°	150.8	132.0	132.0	113.1	207.4	226.3	471.4	396.0	301.7	301.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)