

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: P598954

Luminaire Tested: **IFLD-M-SA4E-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: P598954
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4E-735-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (64) 3500K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

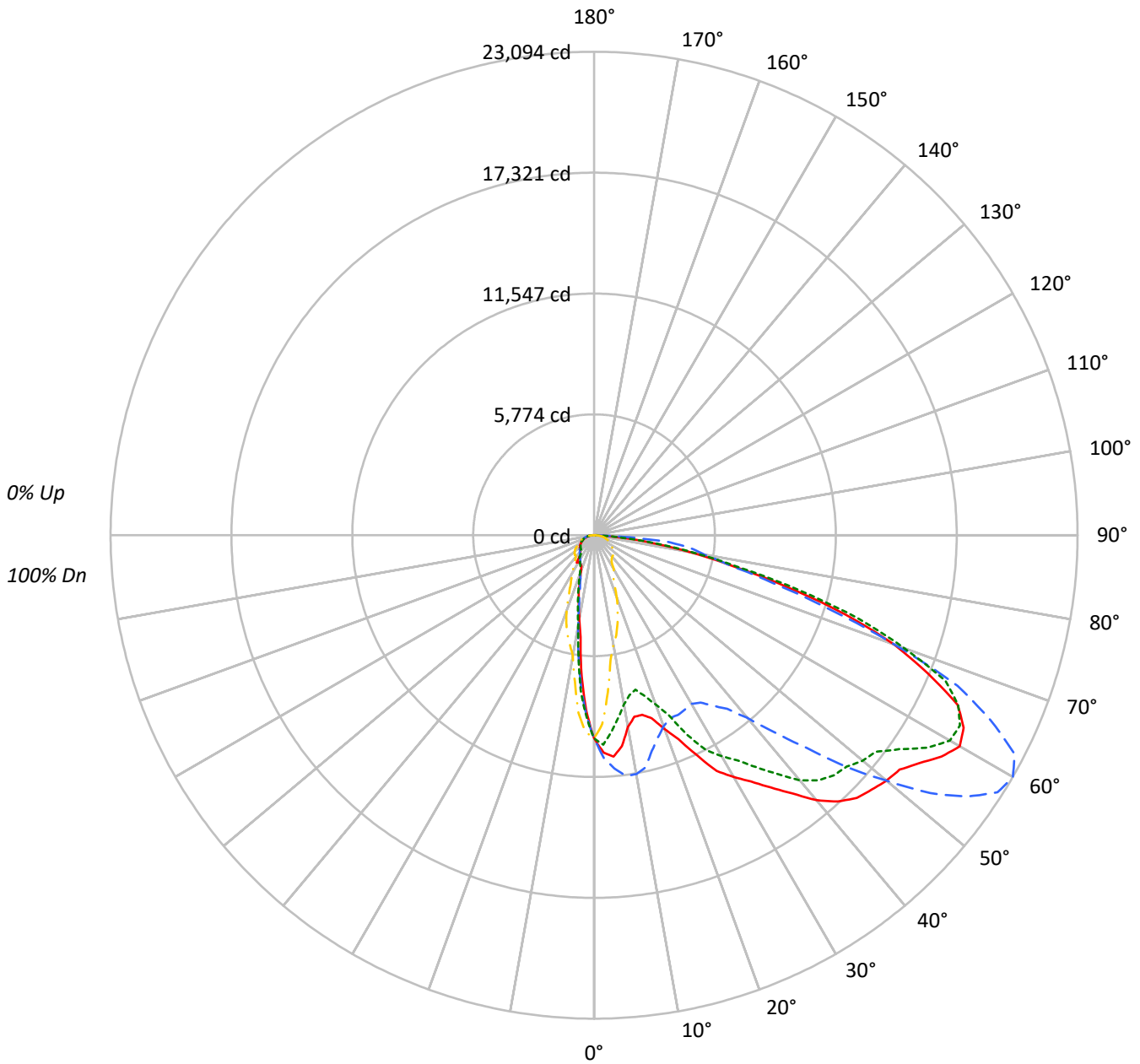
Lumens per Lamp: N/A
 Luminaire Lumens: 30373.9 lumens
 Efficiency: N/A
 Efficacy: 96.5 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 314.8
 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77	77	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60	60	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47	47	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38	38	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31	31	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26	26	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22	22	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19	19	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17	17	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15	15	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	104423	104423	104423	104423
5°	114722	101911	73084	79781
10°	101616	89687	44329	47568
15°	98948	85134	31382	32582
20°	112823	98469	20527	22688
25°	137462	124820	17923	18563
30°	165626	151391	18589	17249
35°	193164	177760	15403	14519
40°	232115	214697	14389	13631
45°	270126	246744	14562	13537
50°	305277	280458	14892	13989
55°	356021	334277	15424	14666
60°	434227	422335	15373	15373
65°	487995	488683	15786	16471
70°	479595	496559	16538	16963
75°	395615	421954	17372	18490
80°	285642	299837	19210	20047
85°	158083	169729	21638	26627

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	753.7	2.5
10°-20°	1591.2	5.2
20°-30°	2328.1	7.7
30°-40°	3280.2	10.8
40°-50°	4508.0	14.8
50°-60°	6143.9	20.2
60°-70°	6724.2	22.1
70°-80°	3882.1	12.8
80°-90°	1162.5	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°	4673.0	15.4
0°-40°	7953.2	26.2
0°-60°	18605.0	61.3
0°-90°	30373.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30373.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9701	9701	9701	9701	9701	
5°	10618	9432	6764	7384	10618	964
15°	8879	7640	2816	2924	8879	2594
25°	11574	10510	1509	1563	11574	5420
35°	14700	13528	1172	1105	14700	9321
45°	17745	16209	957	889	17745	13639
55°	18971	17813	822	782	18971	17118
65°	19160	19187	620	647	19160	18338
75°	9513	10146	418	445	9513	10218
85°	1280	1374	175	216	1280	1776
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°	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2
2.5°	10388.4	10348.0	10388.4	10536.6	10577.0	10644.4	10644.4	10550.1	10374.9	10294.1	10159.4
5°	10617.5	10550.1	10886.9	11196.8	11439.4	11412.4	11183.4	10994.7	10644.4	10118.9	9620.4
7.5°	10159.4	10226.7	10469.3	11277.7	11843.6	11951.4	11587.6	11210.3	10455.8	9728.2	9054.5
10°	9297.0	9391.3	9916.8	10752.2	11641.5	11816.6	11587.6	11129.5	10226.7	9324.0	8542.5
12.5°	8879.3	9094.9	9404.8	10415.4	11048.6	11466.3	11358.5	11062.1	10051.6	8987.1	8232.6
15°	8879.3	8933.2	9391.3	10240.2	10604.0	10617.5	10657.9	10711.8	10105.5	9135.3	8124.8
17.5°	9162.3	9310.5	9701.2	10226.7	10294.1	10132.4	10132.4	10361.5	10213.2	9553.0	8515.5
20°	9849.5	9795.6	10307.6	10523.1	10159.4	9755.1	9714.7	10105.5	10334.5	9997.7	9229.7
22.5°	10536.6	10779.2	11196.8	10711.8	10038.1	9499.1	9445.2	9930.3	10698.3	10765.7	10051.6
25°	11574.1	11816.6	12032.2	11439.4	10024.6	9431.8	9472.2	9849.5	11143.0	11857.1	11425.9
27.5°	12692.5	12840.7	13150.6	12234.3	10348.0	9350.9	9391.3	9957.2	11560.6	12571.2	12503.8
30°	13325.7	13487.4	13420.0	12382.6	10563.6	9404.8	9297.0	10105.5	11331.6	12571.2	13204.5
32.5°	13945.5	13851.2	13810.8	12625.1	10833.0	9741.7	9472.2	10415.4	11466.3	12773.3	14107.2
35°	14700.1	14565.3	14457.5	13096.7	11277.7	10065.0	9943.8	10819.6	11762.8	13191.0	14834.8
37.5°	15535.5	15535.5	15010.0	13447.0	11803.2	10590.5	10455.8	11399.0	12234.3	13447.0	15831.9
40°	16519.1	16559.5	15629.8	13918.6	12396.0	11425.9	11385.5	12153.5	12692.5	13824.3	16788.5
42.5°	17246.6	17273.6	16168.7	14093.7	13083.2	12584.7	12759.8	13366.2	13217.9	14161.1	16855.9
45°	17745.2	17610.4	16546.0	14592.3	13837.7	14322.8	14376.7	14551.9	13905.1	14363.2	17125.4
47.5°	17987.7	17960.8	16707.7	15171.7	15427.7	16087.9	16397.8	16155.3	14538.4	14147.6	17125.4
50°	18230.2	18001.2	16855.9	15966.6	16977.2	18311.1	18243.7	17799.1	15414.2	14417.1	16869.4
52.5°	18391.9	18189.8	17152.3	16680.7	18459.3	19968.4	20237.9	19416.0	16438.2	14915.7	16990.6
55°	18971.3	18809.6	18041.6	17650.9	20170.5	21720.0	21760.4	20615.1	17516.1	15737.6	17785.6
57.5°	19672.0	19766.3	19267.7	19025.2	21477.5	23000.0	22851.8	21504.4	18432.4	16734.6	18701.8
60°	20170.5	20318.7	20197.4	20224.4	22124.2	23431.2	23094.3	22056.8	19106.1	17489.2	19820.2
62.5°	19901.0	20197.4	20696.0	20588.2	22151.2	23121.3	22649.7	21329.3	19186.9	18472.8	20669.0
65°	19159.9	19186.9	20157.0	20749.9	20938.5	21517.9	20898.1	19806.7	18351.5	19079.1	20547.8
67.5°	17260.1	17475.7	18351.5	19510.3	18715.3	18850.0	18796.1	17219.7	17085.0	18661.4	19618.1
70°	15239.0	15387.2	16343.9	17704.8	15804.9	15171.7	15292.9	14120.7	14673.1	17367.9	17745.2
72.5°	12598.1	12692.5	13783.8	14983.0	12679.0	11547.2	11830.1	10873.5	11655.0	15198.6	14969.5
75°	9512.6	9687.8	10536.6	11951.4	9337.4	8609.8	8892.8	8502.1	9229.7	12517.3	11614.5
77.5°	6763.9	6629.2	7680.1	9350.9	7019.9	6588.8	6615.7	6683.1	7464.6	10550.1	8340.4
80°	4608.1	4648.5	5591.7	6858.2	5510.8	5443.5	5376.1	5915.1	6265.4	8353.8	6063.3
82.5°	2735.2	2735.2	3772.7	4877.6	4352.1	4904.5	4594.6	5079.7	4904.5	6144.1	3974.8
85°	1280.0	1280.0	1940.2	3516.7	3368.5	4042.2	3435.9	3840.1	3624.5	4284.7	1792.0
87.5°	215.6	188.6	390.7	1724.7	1387.8	1576.5	619.8	2048.0	2277.1	2991.2	444.6
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°	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2
2.5°	10011.1	9916.8	9728.2	9485.7	9283.5	9027.5	8946.7	8771.5	8529.0	8502.1	8394.3
5°	9431.8	9108.4	8704.2	8205.6	7868.8	7518.5	7222.0	7046.9	6844.8	6817.8	6763.9
7.5°	8798.5	8394.3	7720.6	7127.7	6548.3	5995.9	5726.4	5389.6	5160.5	4985.4	4904.5
10°	8205.6	7828.4	6993.0	6184.5	5672.5	5308.7	4985.4	4635.0	4352.1	4136.5	4055.7
12.5°	7814.9	7370.2	6467.5	5699.5	5322.2	4904.5	4540.7	4163.4	3799.7	3516.7	3368.5
15°	7639.7	7222.0	6305.8	5456.9	4904.5	4325.1	3907.4	3530.2	3085.5	2883.4	2816.1
17.5°	8057.4	7437.6	6251.9	5174.0	4392.5	3732.3	3220.3	2816.1	2492.7	2290.6	2209.7
20°	8596.4	7828.4	6346.2	4837.1	3907.4	3166.4	2600.5	2169.3	1953.7	1805.5	1792.0
22.5°	9283.5	8407.7	6494.4	4594.6	3368.5	2546.6	2034.6	1778.6	1630.3	1616.9	1589.9
25°	10509.7	9458.7	6737.0	4271.2	2937.3	2101.9	1738.1	1589.9	1522.6	1482.1	1509.1
27.5°	11560.6	10145.9	6912.1	4069.1	2762.2	1980.7	1684.2	1522.6	1455.2	1441.7	1455.2
30°	12180.4	10779.2	6858.2	3691.9	2411.8	1886.4	1792.0	1738.1	1603.4	1495.6	1495.6
32.5°	12746.3	11183.4	6844.8	3355.0	2061.5	1576.5	1495.6	1455.2	1536.0	1589.9	1549.5
35°	13527.8	11816.6	6804.3	3166.4	1913.3	1455.2	1320.4	1212.7	1158.8	1131.8	1172.2
37.5°	14363.2	12247.8	6696.5	3139.4	1832.5	1387.8	1280.0	1172.2	1118.3	1091.4	1077.9
40°	15279.5	12705.9	6575.3	3004.7	1792.0	1347.4	1239.6	1145.3	1077.9	1037.5	1024.0
42.5°	15872.3	13069.7	6454.0	2937.3	1711.2	1320.4	1199.2	1118.3	1051.0	997.1	997.1
45°	16209.2	13500.9	6332.8	2869.9	1616.9	1333.9	1199.2	1091.4	1010.5	983.6	956.6
47.5°	16357.4	13824.3	6292.3	2762.2	1536.0	1280.0	1172.2	1064.4	983.6	929.7	916.2
50°	16748.1	14511.4	6440.5	2681.3	1441.7	1226.1	1239.6	1051.0	970.1	902.8	889.3
52.5°	16977.2	15063.9	6763.9	2560.0	1374.3	1158.8	1212.7	1024.0	929.7	862.3	862.3
55°	17812.6	15980.1	7114.2	2465.7	1293.5	1064.4	1118.3	970.1	862.3	821.9	821.9
57.5°	18877.0	16950.2	7410.7	2425.3	1239.6	997.1	997.1	943.2	821.9	768.0	754.5
60°	19618.1	17745.2	7585.8	2398.4	1185.7	929.7	889.3	943.2	781.5	727.6	714.1
62.5°	19698.9	17287.1	7410.7	2384.9	1172.2	862.3	808.4	902.8	741.1	687.2	660.2
65°	19186.9	16357.4	6925.6	2331.0	1158.8	795.0	754.5	781.5	687.2	646.7	619.8
67.5°	18162.9	14848.3	6225.0	2304.0	1145.3	741.1	687.2	673.7	633.3	592.9	565.9
70°	15778.0	12881.1	5403.1	2182.8	1118.3	700.6	619.8	606.3	565.9	539.0	525.5
72.5°	13244.9	10536.6	4459.9	2021.1	1064.4	633.3	565.9	539.0	525.5	485.1	471.6
75°	10145.9	8111.3	3570.6	1792.0	929.7	565.9	498.5	471.6	458.1	431.2	417.7
77.5°	7127.7	6036.3	2640.9	1455.2	781.5	512.0	444.6	417.7	404.2	363.8	363.8
80°	4837.1	4230.8	1792.0	1010.5	606.3	417.7	390.7	363.8	336.8	309.9	309.9
82.5°	3004.7	2964.3	1293.5	660.2	444.6	336.8	309.9	309.9	269.5	242.5	242.5
85°	1374.3	1819.0	902.8	458.1	336.8	256.0	256.0	242.5	215.6	175.2	175.2
87.5°	431.2	606.3	471.6	202.1	188.6	148.2	148.2	134.7	134.7	107.8	107.8
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°	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2
2.5°	8502.1	8488.6	8488.6	8434.7	8569.4	8569.4	8650.3	8582.9	8623.3	8636.8	8744.6
5°	6750.4	6858.2	6939.1	7100.8	7195.1	7235.5	7235.5	7343.3	7302.9	7383.7	7545.4
7.5°	4944.9	5079.7	5322.2	5524.3	5686.0	5739.9	5726.4	5753.4	5793.8	5699.5	5726.4
10°	4001.8	3907.4	3988.3	4176.9	4325.1	4500.3	4365.6	4352.1	4392.5	4352.1	4432.9
12.5°	3341.5	3233.7	3166.4	3166.4	3274.2	3355.0	3314.6	3382.0	3530.2	3570.6	3664.9
15°	2708.3	2613.9	2560.0	2492.7	2600.5	2627.4	2667.8	2762.2	2869.9	2923.8	3031.6
17.5°	2169.3	2169.3	2169.3	2115.4	2155.8	2196.3	2209.7	2331.0	2344.5	2398.4	2438.8
20°	1778.6	1819.0	1886.4	1913.3	1953.7	1953.7	1926.8	1994.1	1940.2	1980.7	2007.6
22.5°	1603.4	1657.3	1684.2	1697.7	1751.6	1765.1	1697.7	1711.2	1724.7	1684.2	1697.7
25°	1509.1	1536.0	1509.1	1522.6	1536.0	1509.1	1522.6	1549.5	1536.0	1563.0	1549.5
27.5°	1468.7	1441.7	1428.2	1414.8	1414.8	1387.8	1401.3	1401.3	1428.2	1441.7	1441.7
30°	1468.7	1428.2	1374.3	1333.9	1333.9	1293.5	1320.4	1347.4	1360.9	1387.8	1387.8
32.5°	1509.1	1428.2	1333.9	1293.5	1253.1	1226.1	1253.1	1293.5	1347.4	1360.9	1374.3
35°	1199.2	1239.6	1226.1	1172.2	1158.8	1158.8	1145.3	1145.3	1104.9	1104.9	1091.4
37.5°	1077.9	1064.4	1091.4	1104.9	1118.3	1077.9	1077.9	1024.0	1010.5	1024.0	1024.0
40°	1010.5	1010.5	1010.5	1051.0	1064.4	1037.5	997.1	970.1	970.1	970.1	983.6
42.5°	983.6	956.6	943.2	970.1	1010.5	983.6	943.2	929.7	929.7	943.2	943.2
45°	943.2	929.7	916.2	902.8	956.6	916.2	902.8	889.3	889.3	889.3	902.8
47.5°	902.8	889.3	862.3	862.3	875.8	862.3	848.9	848.9	848.9	875.8	875.8
50°	875.8	862.3	835.4	835.4	835.4	835.4	821.9	821.9	821.9	835.4	848.9
52.5°	835.4	821.9	808.4	795.0	795.0	795.0	795.0	795.0	795.0	808.4	821.9
55°	795.0	781.5	768.0	768.0	781.5	781.5	768.0	781.5	768.0	781.5	795.0
57.5°	754.5	741.1	727.6	741.1	754.5	741.1	741.1	741.1	741.1	741.1	754.5
60°	700.6	700.6	700.6	700.6	727.6	727.6	727.6	727.6	700.6	714.1	727.6
62.5°	673.7	660.2	660.2	673.7	687.2	687.2	700.6	687.2	673.7	687.2	687.2
65°	619.8	619.8	619.8	633.3	633.3	646.7	646.7	646.7	633.3	646.7	646.7
67.5°	579.4	579.4	579.4	579.4	606.3	606.3	606.3	606.3	592.9	592.9	606.3
70°	512.0	525.5	512.0	539.0	565.9	552.4	565.9	565.9	552.4	539.0	565.9
72.5°	471.6	471.6	471.6	471.6	512.0	512.0	512.0	525.5	512.0	498.5	512.0
75°	417.7	417.7	417.7	431.2	458.1	458.1	458.1	458.1	458.1	444.6	444.6
77.5°	363.8	377.3	363.8	377.3	404.2	390.7	404.2	417.7	404.2	390.7	390.7
80°	309.9	309.9	309.9	323.4	336.8	336.8	336.8	350.3	336.8	323.4	323.4
82.5°	242.5	242.5	256.0	256.0	269.5	269.5	269.5	283.0	269.5	256.0	256.0
85°	188.6	188.6	188.6	202.1	202.1	215.6	215.6	229.1	229.1	215.6	215.6
87.5°	121.3	107.8	121.3	121.3	134.7	134.7	121.3	107.8	121.3	107.8	94.3
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°	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2	9701.2
2.5°	8852.4	9094.9	9270.1	9391.3	9566.5	9903.3	10038.1	10280.6	10348.0	10388.4
5°	7612.8	7868.8	8246.1	8515.5	8825.4	9458.7	9943.8	10307.6	10469.3	10617.5
7.5°	5969.0	6305.8	6696.5	7046.9	7558.9	8340.4	8973.6	9728.2	10011.1	10159.4
10°	4662.0	4971.9	5403.1	5834.2	6548.3	7208.6	8111.3	8798.5	9189.2	9297.0
12.5°	3934.4	4298.2	4810.2	5335.7	5780.3	6534.9	7451.1	8448.2	8812.0	8879.3
15°	3341.5	3840.1	4365.6	4904.5	5416.5	6076.7	7060.3	8273.0	8812.0	8879.3
17.5°	2762.2	3206.8	3826.6	4406.0	4998.8	5901.6	7127.7	8421.2	8960.2	9162.3
20°	2196.3	2627.4	3112.5	3840.1	4648.5	5605.2	7275.9	8919.7	9633.9	9849.5
22.5°	1819.0	2007.6	2479.2	3179.9	4136.5	5403.1	7424.1	9701.2	10455.8	10536.6
25°	1589.9	1724.7	2021.1	2681.3	3732.3	5268.3	7774.5	10604.0	11574.1	11574.1
27.5°	1482.1	1536.0	1738.1	2331.0	3449.3	5147.0	8124.8	11601.1	12503.8	12692.5
30°	1455.2	1589.9	1697.7	2075.0	3139.4	4810.2	8448.2	12382.6	13312.3	13325.7
32.5°	1428.2	1401.3	1482.1	1805.5	2762.2	4459.9	8717.6	13177.5	13905.1	13945.5
35°	1118.3	1172.2	1307.0	1589.9	2479.2	4203.9	8852.4	13608.7	14659.6	14700.1
37.5°	1051.0	1118.3	1226.1	1468.7	2290.6	3988.3	8892.8	14444.1	15454.6	15535.5
40°	1024.0	1077.9	1158.8	1360.9	2142.4	3718.8	8973.6	15306.4	16626.8	16519.1
42.5°	970.1	1037.5	1118.3	1307.0	2021.1	3516.7	8987.1	15778.0	17246.6	17246.6
45°	956.6	997.1	1091.4	1307.0	1886.4	3341.5	8771.5	16249.6	17960.8	17745.2
47.5°	902.8	983.6	1064.4	1266.6	1724.7	3166.4	8515.5	16492.1	18055.1	17987.7
50°	889.3	970.1	1104.9	1199.2	1630.3	3085.5	8461.6	17098.4	18243.7	18230.2
52.5°	862.3	943.2	1145.3	1145.3	1509.1	2977.7	8717.6	17367.9	18284.1	18391.9
55°	821.9	943.2	1064.4	1051.0	1401.3	2843.0	9000.6	18068.6	18998.3	18971.3
57.5°	795.0	916.2	1010.5	956.6	1280.0	2748.7	9418.3	18742.3	19860.6	19672.0
60°	754.5	916.2	902.8	889.3	1185.7	2667.8	9768.6	18877.0	20049.2	20170.5
62.5°	727.6	956.6	795.0	821.9	1104.9	2627.4	9620.4	17866.4	19793.2	19901.0
65°	700.6	821.9	727.6	754.5	1077.9	2546.6	9041.0	16653.8	18688.4	19159.9
67.5°	646.7	673.7	673.7	700.6	1051.0	2357.9	7855.3	14471.0	17004.1	17260.1
70°	592.9	606.3	606.3	646.7	1024.0	2142.4	6481.0	12517.3	14754.0	15239.0
72.5°	539.0	539.0	539.0	592.9	943.2	1967.2	5335.7	9620.4	12261.3	12598.1
75°	471.6	471.6	471.6	525.5	848.9	1792.0	4203.9	7154.7	9027.5	9512.6
77.5°	417.7	417.7	404.2	471.6	741.1	1455.2	3031.6	5052.7	6359.7	6763.9
80°	350.3	336.8	336.8	377.3	579.4	1051.0	1953.7	3570.6	4432.9	4608.1
82.5°	283.0	269.5	256.0	283.0	417.7	660.2	1212.7	2492.7	2843.0	2735.2
85°	269.5	283.0	229.1	215.6	296.4	431.2	768.0	1536.0	1280.0	1280.0
87.5°	107.8	94.3	94.3	80.8	148.2	161.7	336.8	283.0	215.6	215.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)