

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: P598922

Luminaire Tested: **IFLD-M-SA4B-730-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598922
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4B-730-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (64) 3000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

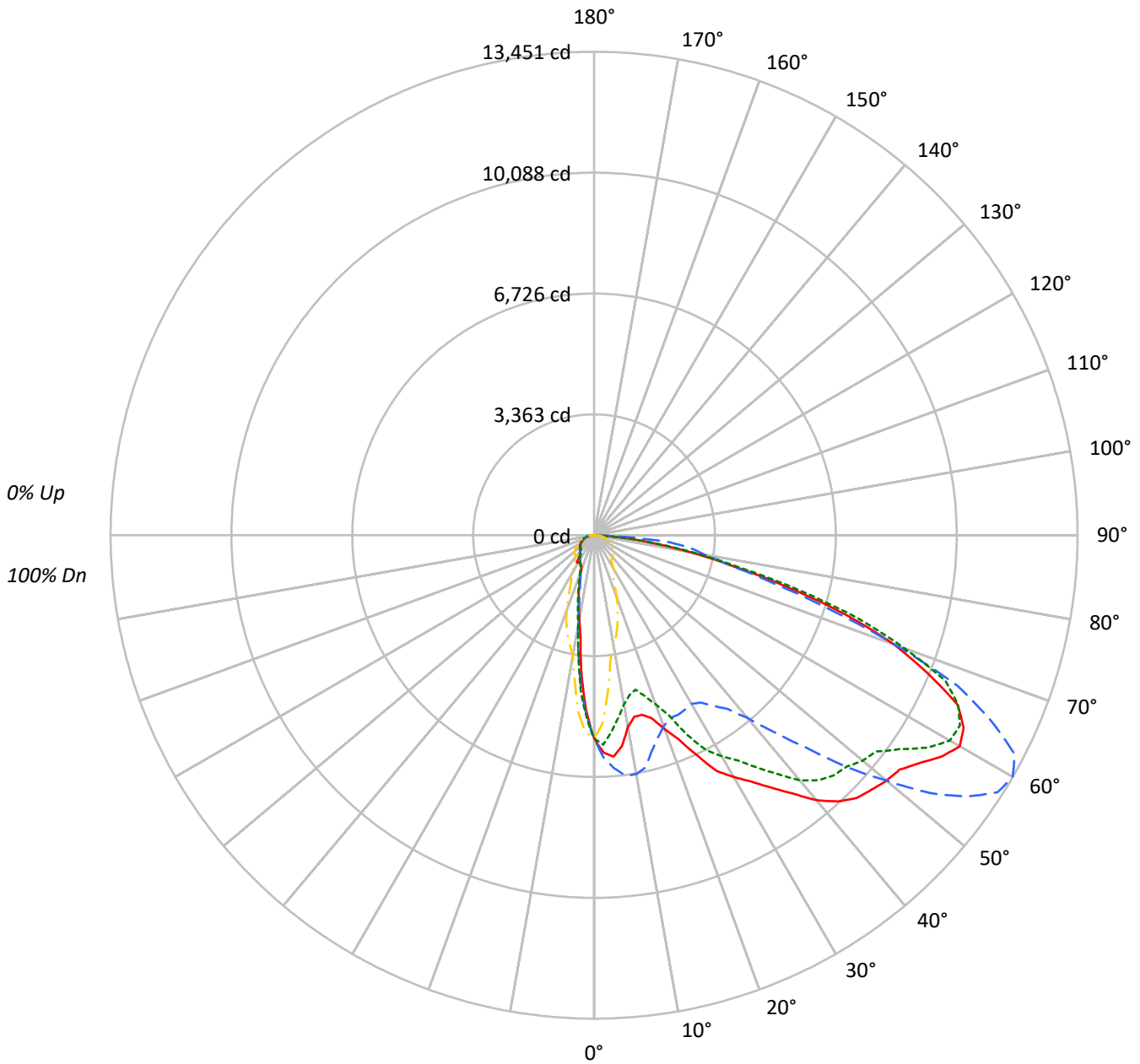
Lumens per Lamp: N/A
 Luminaire Lumens: 17690.5 lumens
 Efficiency: N/A
 Efficacy: 106.5 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 166.1
 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	60819	60819	60819	60819
5°	66817	59355	42566	46467
10°	59184	52236	25818	27705
15°	57629	49585	18277	18976
20°	65711	57350	11955	13214
25°	80062	72698	10438	10811
30°	96465	88175	10827	10046
35°	112503	103533	8971	8456
40°	135189	125044	8380	7939
45°	157327	143709	8482	7884
50°	177802	163346	8673	8147
55°	207357	194691	8983	8542
60°	252905	245979	8953	8953
65°	284220	284620	9195	9594
70°	279329	289208	9633	9879
75°	230417	245755	10119	10771
80°	166367	174636	11189	11672
85°	92071	98863	12597	15512

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.0	2.5
10°-20°	926.8	5.2
20°-30°	1356.0	7.7
30°-40°	1910.5	10.8
40°-50°	2625.6	14.8
50°-60°	3578.3	20.2
60°-70°	3916.3	22.1
70°-80°	2261.0	12.8
80°-90°	677.1	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°	2721.7	15.4
0°-40°	4632.2	26.2
0°-60°	10836.1	61.3
0°-90°	17690.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17690.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5650	5650	5650	5650	5650	
5°	6184	5493	3940	4300	6184	562
15°	5172	4450	1640	1703	5172	1511
25°	6741	6121	879	910	6741	3157
35°	8562	7879	683	644	8562	5429
45°	10335	9441	557	518	10335	7943
55°	11049	10374	479	455	11049	9970
65°	11159	11175	361	377	11159	10681
75°	5540	5909	243	259	5540	5952
85°	746	800	102	126	746	1034
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°	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3
2.5°	6050.5	6026.9	6050.5	6136.8	6160.3	6199.6	6199.6	6144.6	6042.6	5995.5	5917.1
5°	6183.9	6144.6	6340.8	6521.3	6662.6	6646.9	6513.5	6403.6	6199.6	5893.5	5603.2
7.5°	5917.1	5956.3	6097.6	6568.4	6898.0	6960.8	6748.9	6529.2	6089.7	5665.9	5273.6
10°	5414.8	5469.8	5775.8	6262.4	6780.3	6882.3	6748.9	6482.1	5956.3	5430.5	4975.4
12.5°	5171.5	5297.1	5477.6	6066.2	6435.0	6678.3	6615.5	6442.9	5854.3	5234.3	4794.9
15°	5171.5	5202.9	5469.8	5964.2	6176.0	6183.9	6207.4	6238.8	5885.7	5320.7	4732.1
17.5°	5336.3	5422.7	5650.3	5956.3	5995.5	5901.4	5901.4	6034.8	5948.5	5563.9	4959.7
20°	5736.6	5705.2	6003.4	6129.0	5917.1	5681.6	5658.1	5885.7	6019.1	5822.9	5375.6
22.5°	6136.8	6278.1	6521.3	6238.8	5846.4	5532.5	5501.1	5783.7	6231.0	6270.2	5854.3
25°	6741.1	6882.3	7007.9	6662.6	5838.6	5493.3	5516.8	5736.6	6489.9	6905.9	6654.7
27.5°	7392.4	7478.7	7659.2	7125.6	6026.9	5446.2	5469.8	5799.4	6733.2	7321.8	7282.5
30°	7761.2	7855.4	7816.2	7211.9	6152.5	5477.6	5414.8	5885.7	6599.8	7321.8	7690.6
32.5°	8122.2	8067.3	8043.8	7353.2	6309.4	5673.8	5516.8	6066.2	6678.3	7439.5	8216.4
35°	8561.7	8483.2	8420.4	7627.8	6568.4	5862.1	5791.5	6301.6	6850.9	7682.8	8640.2
37.5°	9048.2	9048.2	8742.2	7831.9	6874.5	6168.2	6089.7	6639.0	7125.6	7831.9	9220.9
40°	9621.1	9644.7	9103.2	8106.5	7219.8	6654.7	6631.2	7078.5	7392.4	8051.6	9778.1
42.5°	10044.9	10060.6	9417.1	8208.6	7620.0	7329.6	7431.6	7784.8	7698.5	8247.8	9817.3
45°	10335.2	10256.8	9636.8	8498.9	8059.5	8342.0	8373.4	8475.4	8098.7	8365.5	9974.3
47.5°	10476.5	10460.8	9731.0	8836.4	8985.5	9370.0	9550.5	9409.2	8467.5	8239.9	9974.3
50°	10617.8	10484.4	9817.3	9299.4	9887.9	10664.8	10625.6	10366.6	8977.6	8396.9	9825.2
52.5°	10711.9	10594.2	9990.0	9715.3	10751.2	11630.1	11787.1	11308.3	9574.0	8687.3	9895.8
55°	11049.4	10955.2	10507.9	10280.3	11747.8	12650.3	12673.8	12006.8	10201.8	9166.0	10358.8
57.5°	11457.5	11512.4	11222.0	11080.8	12509.0	13395.8	13309.5	12524.7	10735.5	9746.7	10892.4
60°	11747.8	11834.1	11763.5	11779.2	12885.7	13646.9	13450.7	12846.5	11127.9	10186.1	11543.8
62.5°	11590.9	11763.5	12053.9	11991.1	12901.4	13466.4	13191.8	12422.7	11174.9	10759.0	12038.2
65°	11159.2	11174.9	11740.0	12085.3	12195.1	12532.6	12171.6	11535.9	10688.4	11112.2	11967.5
67.5°	10052.7	10178.3	10688.4	11363.3	10900.3	10978.8	10947.4	10029.2	9950.7	10868.9	11426.1
70°	8875.6	8961.9	9519.1	10311.7	9205.2	8836.4	8907.0	8224.3	8546.0	10115.5	10335.2
72.5°	7337.5	7392.4	8028.1	8726.5	7384.6	6725.4	6890.2	6333.0	6788.1	8852.1	8718.7
75°	5540.4	5642.4	6136.8	6960.8	5438.4	5014.6	5179.4	4951.8	5375.6	7290.4	6764.6
77.5°	3939.5	3861.0	4473.1	5446.2	4088.6	3837.5	3853.2	3892.4	4347.6	6144.6	4857.6
80°	2683.9	2707.4	3256.7	3994.4	3209.7	3170.4	3131.2	3445.1	3649.1	4865.5	3531.4
82.5°	1593.1	1593.1	2197.3	2840.8	2534.8	2856.5	2676.0	2958.5	2856.5	3578.5	2315.0
85°	745.5	745.5	1130.1	2048.2	1961.9	2354.3	2001.1	2236.6	2111.0	2495.5	1043.7
87.5°	125.6	109.9	227.6	1004.5	808.3	918.2	361.0	1192.8	1326.2	1742.2	259.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3
2.5°	5830.7	5775.8	5665.9	5524.7	5407.0	5257.9	5210.8	5108.8	4967.5	4951.8	4889.0
5°	5493.3	5305.0	5069.5	4779.2	4583.0	4378.9	4206.3	4104.3	3986.6	3970.9	3939.5
7.5°	5124.5	4889.0	4496.7	4151.4	3813.9	3492.2	3335.2	3139.0	3005.6	2903.6	2856.5
10°	4779.2	4559.4	4072.9	3602.0	3303.8	3091.9	2903.6	2699.6	2534.8	2409.2	2362.1
12.5°	4551.6	4292.6	3766.8	3319.5	3099.8	2856.5	2644.6	2424.9	2213.0	2048.2	1961.9
15°	4449.6	4206.3	3672.7	3178.3	2856.5	2519.1	2275.8	2056.1	1797.1	1679.4	1640.1
17.5°	4692.8	4331.9	3641.3	3013.5	2558.3	2173.8	1875.6	1640.1	1451.8	1334.1	1287.0
20°	5006.7	4559.4	3696.2	2817.3	2275.8	1844.2	1514.6	1263.5	1137.9	1051.6	1043.7
22.5°	5407.0	4896.9	3782.5	2676.0	1961.9	1483.2	1185.0	1035.9	949.6	941.7	926.0
25°	6121.1	5509.0	3923.8	2487.7	1710.8	1224.2	1012.3	926.0	886.8	863.2	878.9
27.5°	6733.2	5909.2	4025.8	2370.0	1608.8	1153.6	980.9	886.8	847.5	839.7	847.5
30°	7094.2	6278.1	3994.4	2150.2	1404.7	1098.7	1043.7	1012.3	933.9	871.1	871.1
32.5°	7423.8	6513.5	3986.6	1954.0	1200.7	918.2	871.1	847.5	894.6	926.0	902.5
35°	7879.0	6882.3	3963.0	1844.2	1114.4	847.5	769.1	706.3	674.9	659.2	682.7
37.5°	8365.5	7133.4	3900.2	1828.5	1067.3	808.3	745.5	682.7	651.3	635.7	627.8
40°	8899.1	7400.3	3829.6	1750.0	1043.7	784.8	722.0	667.0	627.8	604.3	596.4
42.5°	9244.4	7612.1	3759.0	1710.8	996.6	769.1	698.4	651.3	612.1	580.7	580.7
45°	9440.6	7863.3	3688.4	1671.5	941.7	776.9	698.4	635.7	588.6	572.9	557.2
47.5°	9527.0	8051.6	3664.8	1608.8	894.6	745.5	682.7	620.0	572.9	541.5	533.6
50°	9754.5	8451.8	3751.1	1561.7	839.7	714.1	722.0	612.1	565.0	525.8	517.9
52.5°	9887.9	8773.6	3939.5	1491.0	800.5	674.9	706.3	596.4	541.5	502.2	502.2
55°	10374.5	9307.2	4143.5	1436.1	753.4	620.0	651.3	565.0	502.2	478.7	478.7
57.5°	10994.4	9872.2	4316.2	1412.6	722.0	580.7	580.7	549.3	478.7	447.3	439.5
60°	11426.1	10335.2	4418.2	1396.9	690.6	541.5	517.9	549.3	455.2	423.8	415.9
62.5°	11473.1	10068.4	4316.2	1389.0	682.7	502.2	470.9	525.8	431.6	400.2	384.5
65°	11174.9	9527.0	4033.7	1357.6	674.9	463.0	439.5	455.2	400.2	376.7	361.0
67.5°	10578.5	8648.0	3625.6	1341.9	667.0	431.6	400.2	392.4	368.8	345.3	329.6
70°	9189.5	7502.3	3146.9	1271.3	651.3	408.1	361.0	353.1	329.6	313.9	306.1
72.5°	7714.2	6136.8	2597.5	1177.1	620.0	368.8	329.6	313.9	306.1	282.5	274.7
75°	5909.2	4724.2	2079.6	1043.7	541.5	329.6	290.4	274.7	266.8	251.1	243.3
77.5°	4151.4	3515.7	1538.1	847.5	455.2	298.2	259.0	243.3	235.4	211.9	211.9
80°	2817.3	2464.1	1043.7	588.6	353.1	243.3	227.6	211.9	196.2	180.5	180.5
82.5°	1750.0	1726.5	753.4	384.5	259.0	196.2	180.5	180.5	157.0	141.3	141.3
85°	800.5	1059.4	525.8	266.8	196.2	149.1	149.1	141.3	125.6	102.0	102.0
87.5°	251.1	353.1	274.7	117.7	109.9	86.3	86.3	78.5	78.5	62.8	62.8
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°	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3
2.5°	4951.8	4944.0	4944.0	4912.6	4991.1	4991.1	5038.1	4998.9	5022.4	5030.3	5093.1
5°	3931.6	3994.4	4041.5	4135.7	4190.6	4214.1	4214.1	4276.9	4253.4	4300.5	4394.6
7.5°	2880.1	2958.5	3099.8	3217.5	3311.7	3343.1	3335.2	3350.9	3374.5	3319.5	3335.2
10°	2330.7	2275.8	2322.9	2432.7	2519.1	2621.1	2542.6	2534.8	2558.3	2534.8	2581.9
12.5°	1946.2	1883.4	1844.2	1844.2	1907.0	1954.0	1930.5	1969.7	2056.1	2079.6	2134.5
15°	1577.4	1522.4	1491.0	1451.8	1514.6	1530.3	1553.8	1608.8	1671.5	1702.9	1765.7
17.5°	1263.5	1263.5	1263.5	1232.1	1255.6	1279.2	1287.0	1357.6	1365.5	1396.9	1420.4
20°	1035.9	1059.4	1098.7	1114.4	1137.9	1137.9	1122.2	1161.4	1130.1	1153.6	1169.3
22.5°	933.9	965.3	980.9	988.8	1020.2	1028.0	988.8	996.6	1004.5	980.9	988.8
25°	878.9	894.6	878.9	886.8	894.6	878.9	886.8	902.5	894.6	910.3	902.5
27.5°	855.4	839.7	831.8	824.0	824.0	808.3	816.1	816.1	831.8	839.7	839.7
30°	855.4	831.8	800.5	776.9	776.9	753.4	769.1	784.8	792.6	808.3	808.3
32.5°	878.9	831.8	776.9	753.4	729.8	714.1	729.8	753.4	784.8	792.6	800.5
35°	698.4	722.0	714.1	682.7	674.9	674.9	667.0	667.0	643.5	643.5	635.7
37.5°	627.8	620.0	635.7	643.5	651.3	627.8	627.8	596.4	588.6	596.4	596.4
40°	588.6	588.6	588.6	612.1	620.0	604.3	580.7	565.0	565.0	565.0	572.9
42.5°	572.9	557.2	549.3	565.0	588.6	572.9	549.3	541.5	541.5	549.3	549.3
45°	549.3	541.5	533.6	525.8	557.2	533.6	525.8	517.9	517.9	517.9	525.8
47.5°	525.8	517.9	502.2	502.2	510.1	502.2	494.4	494.4	494.4	510.1	510.1
50°	510.1	502.2	486.5	486.5	486.5	486.5	478.7	478.7	478.7	486.5	494.4
52.5°	486.5	478.7	470.9	463.0	463.0	463.0	463.0	463.0	463.0	470.9	478.7
55°	463.0	455.2	447.3	447.3	455.2	455.2	447.3	455.2	447.3	455.2	463.0
57.5°	439.5	431.6	423.8	431.6	439.5	431.6	431.6	431.6	431.6	431.6	439.5
60°	408.1	408.1	408.1	408.1	423.8	423.8	423.8	423.8	408.1	415.9	423.8
62.5°	392.4	384.5	384.5	392.4	400.2	400.2	408.1	400.2	392.4	400.2	400.2
65°	361.0	361.0	361.0	368.8	368.8	376.7	376.7	376.7	368.8	376.7	376.7
67.5°	337.4	337.4	337.4	337.4	353.1	353.1	353.1	353.1	345.3	345.3	353.1
70°	298.2	306.1	298.2	313.9	329.6	321.8	329.6	329.6	321.8	313.9	329.6
72.5°	274.7	274.7	274.7	274.7	298.2	298.2	298.2	306.1	298.2	290.4	298.2
75°	243.3	243.3	243.3	251.1	266.8	266.8	266.8	266.8	266.8	259.0	259.0
77.5°	211.9	219.7	211.9	219.7	235.4	227.6	235.4	243.3	235.4	227.6	227.6
80°	180.5	180.5	180.5	188.3	196.2	196.2	196.2	204.0	196.2	188.3	188.3
82.5°	141.3	141.3	149.1	149.1	157.0	157.0	157.0	164.8	157.0	149.1	149.1
85°	109.9	109.9	109.9	117.7	117.7	125.6	125.6	133.4	133.4	125.6	125.6
87.5°	70.6	62.8	70.6	70.6	78.5	78.5	70.6	62.8	70.6	62.8	54.9
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°	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3	5650.3
2.5°	5155.9	5297.1	5399.1	5469.8	5571.8	5768.0	5846.4	5987.7	6026.9	6050.5
5°	4433.9	4583.0	4802.7	4959.7	5140.2	5509.0	5791.5	6003.4	6097.6	6183.9
7.5°	3476.5	3672.7	3900.2	4104.3	4402.5	4857.6	5226.5	5665.9	5830.7	5917.1
10°	2715.3	2895.8	3146.9	3398.0	3813.9	4198.4	4724.2	5124.5	5352.0	5414.8
12.5°	2291.5	2503.4	2801.6	3107.6	3366.6	3806.1	4339.7	4920.4	5132.3	5171.5
15°	1946.2	2236.6	2542.6	2856.5	3154.7	3539.3	4112.1	4818.4	5132.3	5171.5
17.5°	1608.8	1867.7	2228.7	2566.2	2911.4	3437.2	4151.4	4904.7	5218.6	5336.3
20°	1279.2	1530.3	1812.8	2236.6	2707.4	3264.6	4237.7	5195.1	5611.0	5736.6
22.5°	1059.4	1169.3	1444.0	1852.0	2409.2	3146.9	4324.0	5650.3	6089.7	6136.8
25°	926.0	1004.5	1177.1	1561.7	2173.8	3068.4	4528.0	6176.0	6741.1	6741.1
27.5°	863.2	894.6	1012.3	1357.6	2009.0	2997.8	4732.1	6756.8	7282.5	7392.4
30°	847.5	926.0	988.8	1208.5	1828.5	2801.6	4920.4	7211.9	7753.4	7761.2
32.5°	831.8	816.1	863.2	1051.6	1608.8	2597.5	5077.4	7674.9	8098.7	8122.2
35°	651.3	682.7	761.2	926.0	1444.0	2448.4	5155.9	7926.0	8538.2	8561.7
37.5°	612.1	651.3	714.1	855.4	1334.1	2322.9	5179.4	8412.6	9001.2	9048.2
40°	596.4	627.8	674.9	792.6	1247.8	2165.9	5226.5	8914.8	9683.9	9621.1
42.5°	565.0	604.3	651.3	761.2	1177.1	2048.2	5234.3	9189.5	10044.9	10044.9
45°	557.2	580.7	635.7	761.2	1098.7	1946.2	5108.8	9464.2	10460.8	10335.2
47.5°	525.8	572.9	620.0	737.7	1004.5	1844.2	4959.7	9605.4	10515.7	10476.5
50°	517.9	565.0	643.5	698.4	949.6	1797.1	4928.3	9958.6	10625.6	10617.8
52.5°	502.2	549.3	667.0	667.0	878.9	1734.3	5077.4	10115.5	10649.2	10711.9
55°	478.7	549.3	620.0	612.1	816.1	1655.8	5242.2	10523.6	11065.1	11049.4
57.5°	463.0	533.6	588.6	557.2	745.5	1600.9	5485.5	10916.0	11567.3	11457.5
60°	439.5	533.6	525.8	517.9	690.6	1553.8	5689.5	10994.4	11677.2	11747.8
62.5°	423.8	557.2	463.0	478.7	643.5	1530.3	5603.2	10405.9	11528.1	11590.9
65°	408.1	478.7	423.8	439.5	627.8	1483.2	5265.7	9699.6	10884.6	11159.2
67.5°	376.7	392.4	392.4	408.1	612.1	1373.3	4575.1	8428.3	9903.6	10052.7
70°	345.3	353.1	353.1	376.7	596.4	1247.8	3774.7	7290.4	8593.1	8875.6
72.5°	313.9	313.9	313.9	345.3	549.3	1145.7	3107.6	5603.2	7141.3	7337.5
75°	274.7	274.7	274.7	306.1	494.4	1043.7	2448.4	4167.1	5257.9	5540.4
77.5°	243.3	243.3	235.4	274.7	431.6	847.5	1765.7	2942.8	3704.1	3939.5
80°	204.0	196.2	196.2	219.7	337.4	612.1	1137.9	2079.6	2581.9	2683.9
82.5°	164.8	157.0	149.1	164.8	243.3	384.5	706.3	1451.8	1655.8	1593.1
85°	157.0	164.8	133.4	125.6	172.6	251.1	447.3	894.6	745.5	745.5
87.5°	62.8	54.9	54.9	47.1	86.3	94.2	196.2	164.8	125.6	125.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)