

Scaled data based on original data using
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: P200000

Luminaire Tested: **GAP-AF-02-LED-U-SLL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200000
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-AF-02-LED-U-SLL-7030
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10558.8 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 113
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: 28.75 FT

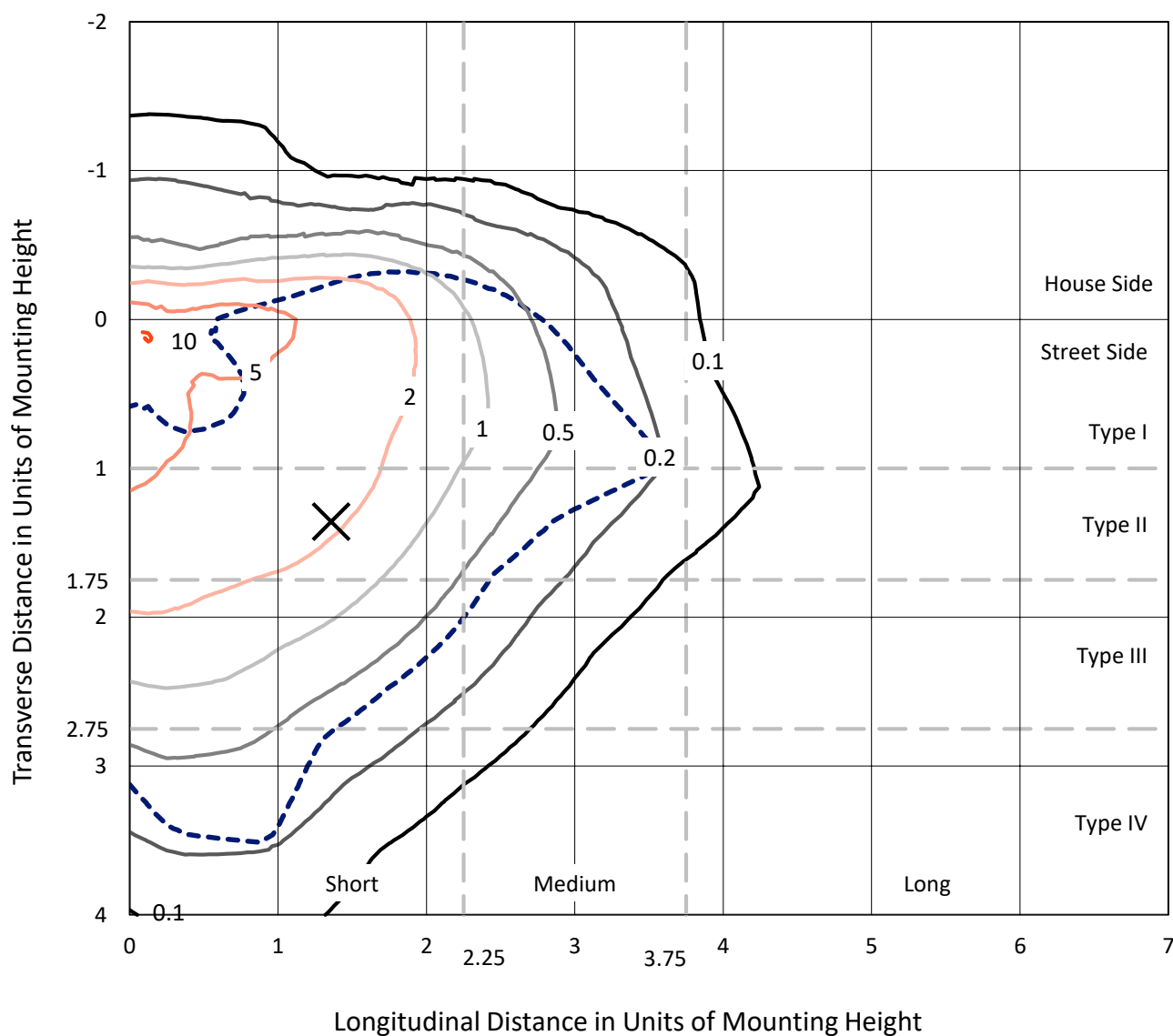


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

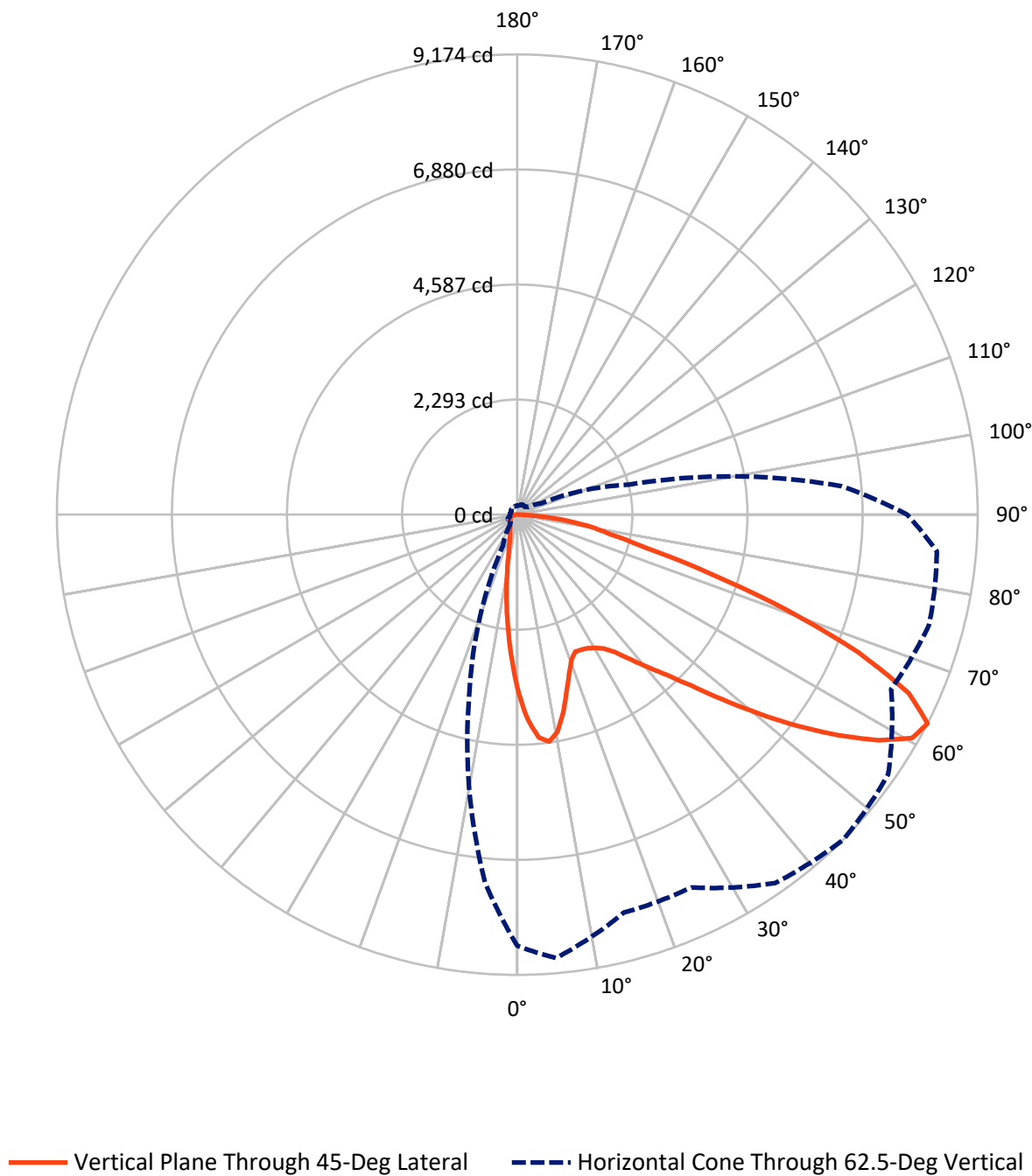


Based on 20 foot mounting height. Maximum calculated value = 10.5 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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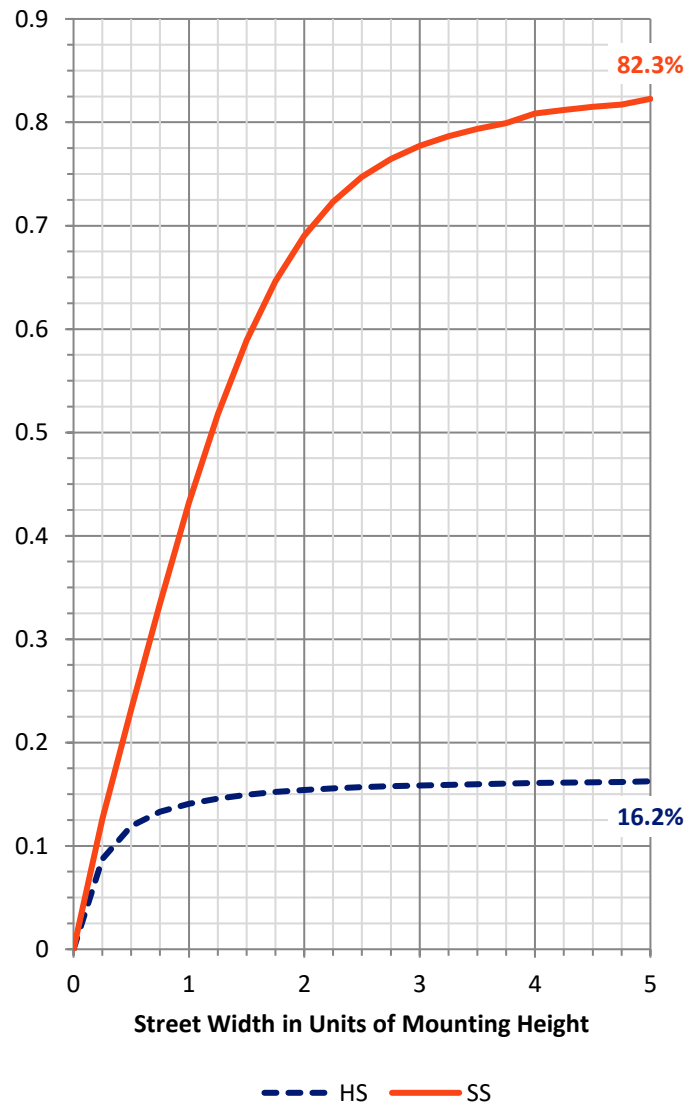
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1747.3	0.0	1747.3
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	8811.5	0.0	8811.5
	% Fixture	83.5	0.0	83.5
Total	Lumens	10558.8	0.0	10558.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.7	2.5
10°-20°	476.2	4.5
20°-30°	694.3	6.6
30°-40°	1069.3	10.1
40°-50°	1573.7	14.9
50°-60°	2308.3	21.9
60°-70°	2580.4	24.4
70°-80°	1263.3	12.0
80°-90°	333.6	3.2
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°-90°	10558.8	100.0
0°-180°	10558.8	100.0

Coefficient of Utilization



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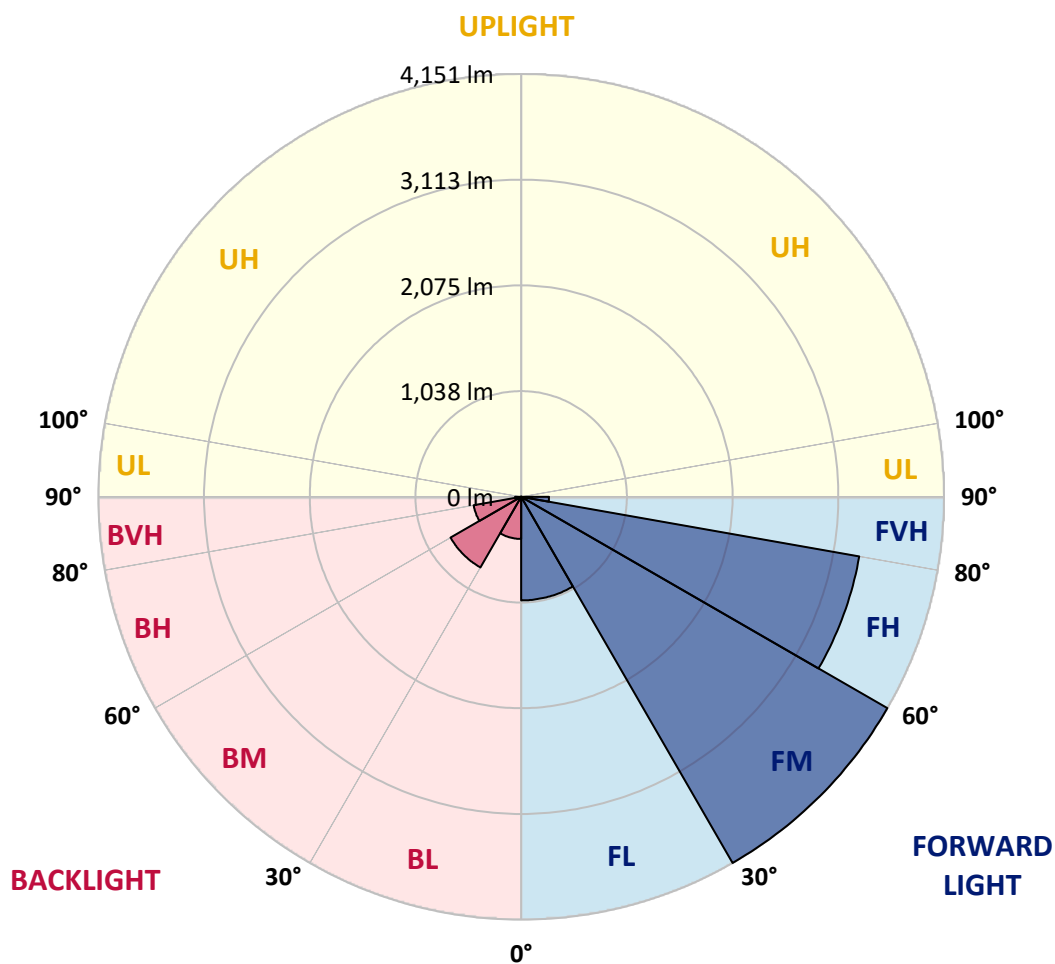
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1016.8	9.6			
FM	(30°-60°)	4150.8	39.3			
FH	(60°-80°)	3370.0	31.9			G2/5000
FVH	(80°-90°)	273.9	2.6			G3/500
BL	(0°-30°)	413.4	3.9	B1/500		
BM	(30°-60°)	800.6	7.6	B1/1000		
BH	(60°-80°)	473.7	4.5	B1/500		G1/500
BVH	(80°-90°)	59.6	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4
2.5°	3706.6	3765.8	3881.3	3967.9	4072.8	4097.2	4131.0	4097.9	4039.2	3961.4	3935.9
5°	3485.5	3612.0	3892.4	4139.1	4358.5	4460.6	4489.0	4404.9	4234.8	4011.4	3875.0
7.5°	3130.9	3310.8	3690.3	4053.7	4377.0	4568.0	4563.3	4367.7	4054.9	3691.0	3472.2
10°	2825.0	3030.5	3465.8	3872.0	4215.1	4400.3	4328.9	4078.6	3705.5	3286.4	3049.0
12.5°	2653.7	2855.2	3296.9	3704.9	3991.7	4055.4	4001.0	3756.0	3404.2	2980.5	2772.7
15°	2624.1	2845.3	3229.4	3561.6	3722.4	3666.6	3601.6	3491.9	3243.5	2881.8	2665.4
17.5°	2752.5	2996.2	3306.7	3461.7	3434.4	3337.5	3318.9	3331.1	3271.3	2991.5	2742.0
20°	2998.5	3291.0	3490.8	3414.7	3215.6	3082.1	3086.8	3273.1	3450.1	3269.6	2984.6
22.5°	3343.9	3677.6	3756.0	3439.6	3123.2	2964.9	3003.2	3305.0	3735.0	3675.9	3311.9
25°	3790.7	4094.9	4038.7	3530.1	3132.6	2979.4	3010.1	3415.2	4071.8	4082.2	3717.1
27.5°	4223.9	4505.9	4276.1	3650.4	3170.9	3013.6	3054.3	3588.8	4393.4	4523.4	4180.3
30°	4561.6	4757.8	4370.1	3760.0	3246.3	3080.3	3130.9	3753.6	4539.6	4821.1	4536.7
32.5°	4841.4	4982.4	4519.8	3895.8	3385.1	3185.5	3274.2	3953.9	4750.3	5104.4	4885.5
35°	5198.9	5239.0	4706.2	4047.4	3599.2	3368.3	3478.5	4150.1	4951.1	5390.6	5229.1
37.5°	5618.0	5566.3	4882.0	4254.5	3876.1	3654.4	3745.5	4365.5	5116.5	5715.0	5580.3
40°	6032.4	5908.2	5102.6	4576.1	4280.1	3991.7	4099.6	4595.3	5270.8	6040.0	5923.3
42.5°	6384.8	6200.8	5320.3	4929.6	4656.2	4363.7	4492.5	4826.8	5418.3	6317.4	6221.1
45°	6645.3	6416.7	5527.4	5269.1	5174.5	4858.2	4919.2	5092.1	5577.9	6549.0	6466.0
47.5°	6878.1	6633.7	5761.9	5611.7	5627.8	5501.3	5403.2	5400.9	5766.0	6738.2	6697.6
50°	7189.8	6935.0	6013.8	5964.6	6308.1	6224.0	6007.5	5761.3	6004.1	6953.0	6948.4
52.5°	7619.3	7412.1	6321.5	6344.6	6943.1	6998.3	6730.2	6194.4	6376.6	7347.1	7319.3
55°	8127.2	8006.5	6740.5	6781.7	7722.1	7761.6	7495.0	6736.0	6924.6	7917.7	7840.5
57.5°	8523.7	8498.0	7200.3	7306.5	8303.7	8481.2	8236.3	7362.8	7542.1	8398.3	8204.4
60°	8681.5	8805.2	7689.5	7835.8	8841.7	9038.5	8823.8	7913.6	8089.4	8597.4	8179.4
62.5°	8596.2	8872.5	8210.9	8198.6	8961.9	9173.7	9022.8	8220.1	8495.2	8391.8	7765.6
65°	8202.1	8630.5	8513.2	8105.2	8550.9	8568.3	8519.6	8083.1	8590.9	7742.4	6965.8
67.5°	7343.7	7960.1	8115.0	7304.2	7442.3	7329.1	7247.2	7333.2	8091.8	6769.0	5854.2
70°	5981.4	6908.9	6983.2	5842.1	5779.4	5703.4	5540.2	6012.1	7106.8	5547.7	4645.1
72.5°	4397.9	5373.1	5601.1	4284.7	3994.5	4010.3	3881.3	4530.9	5778.1	4121.0	3468.1
75°	3009.0	3890.6	4382.3	2989.8	2641.6	2647.9	2631.7	3210.4	4602.2	2866.8	2595.1
77.5°	2198.1	2779.7	3305.0	2010.1	1951.4	1915.5	1906.7	2246.3	3528.4	2081.4	2015.3
80°	1763.9	2053.5	2220.1	1393.0	1498.1	1495.2	1447.0	1544.5	2304.3	1522.5	1507.3
82.5°	1223.6	1578.1	1798.7	1091.8	1011.0	994.3	1005.8	1150.4	1628.7	1040.7	989.7
85°	645.4	1048.3	1781.4	967.6	600.2	478.9	595.6	942.1	1411.1	551.4	482.9
87.5°	82.4	302.9	1179.5	386.0	236.8	127.8	282.7	530.6	906.1	112.6	98.2
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4
2.5°	3870.3	3793.2	3692.1	3598.7	3501.8	3405.4	3279.4	3200.5	3145.9	3135.5	3112.2
5°	3776.3	3519.8	3325.9	3158.1	3006.0	2791.2	2672.3	2573.6	2520.8	2515.5	2502.8
7.5°	3342.7	2988.7	2726.9	2489.5	2274.1	2100.6	1909.1	1819.6	1783.1	1791.8	1800.5
10°	2891.8	2495.8	2195.2	1952.6	1762.8	1616.5	1462.7	1358.7	1286.8	1272.4	1269.4
12.5°	2562.0	2127.9	1835.9	1664.7	1517.8	1380.3	1217.1	1094.7	1001.3	969.3	947.9
15°	2422.8	1948.0	1642.0	1457.5	1295.5	1120.8	969.3	841.1	755.1	727.2	711.6
17.5°	2452.4	1898.1	1508.6	1272.4	1065.1	882.9	691.8	582.2	530.6	517.2	517.2
20°	2607.9	1888.8	1398.3	1101.7	843.4	632.1	475.4	412.7	395.8	394.1	398.8
22.5°	2826.1	1921.3	1315.8	953.7	655.3	461.4	370.3	347.1	339.6	341.3	346.6
25°	3151.1	2030.9	1256.1	821.8	514.3	377.8	330.3	316.3	312.8	317.5	323.9
27.5°	3536.6	2140.6	1218.9	722.6	434.2	345.4	314.0	299.5	301.8	307.7	313.5
30°	3875.0	2230.6	1160.4	651.8	409.1	347.1	314.0	294.2	291.9	293.2	294.9
32.5°	4178.5	2291.5	1091.8	584.5	352.9	308.2	293.2	290.2	277.4	272.8	273.3
35°	4440.3	2291.5	1050.5	544.9	316.3	273.3	249.0	234.5	228.2	228.7	235.1
37.5°	4692.8	2245.8	1030.4	523.0	296.6	260.0	238.5	225.8	217.1	215.3	216.6
40°	4915.7	2178.9	1007.1	513.7	281.6	252.0	231.6	221.1	211.9	208.9	209.6
42.5°	5094.4	2125.0	981.4	501.5	272.3	246.1	226.9	217.7	207.3	204.4	203.8
45°	5287.7	2106.9	947.9	477.1	276.9	246.7	225.8	215.9	205.5	202.0	200.8
47.5°	5542.5	2163.3	913.0	448.1	286.7	249.5	227.5	215.9	204.9	202.0	200.8
50°	5863.5	2295.6	868.9	405.7	276.9	257.8	226.9	214.1	204.9	202.0	199.6
52.5°	6275.7	2474.4	810.8	356.9	271.1	277.4	225.8	210.7	202.0	198.0	193.8
55°	6776.6	2620.7	741.8	317.0	257.8	272.3	224.1	206.6	197.3	191.5	188.0
57.5°	7143.4	2673.5	653.0	290.8	239.2	263.6	221.7	201.4	191.5	187.0	182.3
60°	7070.8	2571.3	578.1	274.6	228.2	237.9	219.9	196.7	186.3	182.8	178.7
62.5°	6489.8	2304.3	529.9	267.0	221.1	217.1	221.7	192.1	181.7	178.2	177.0
65°	5618.5	1910.2	510.8	265.3	215.3	204.9	206.1	187.0	176.5	173.5	172.4
67.5°	4634.8	1541.6	494.0	271.1	207.8	196.2	190.3	180.0	171.2	168.4	166.0
70°	3654.9	1282.1	486.4	267.5	198.6	187.5	181.1	172.4	164.9	161.9	160.2
72.5°	2943.3	1083.1	482.4	264.1	186.3	175.9	170.1	162.5	154.4	153.2	151.6
75°	2490.7	851.4	441.7	253.1	172.4	161.9	157.9	150.9	142.8	142.8	141.6
77.5°	1921.3	615.7	367.4	224.1	157.9	146.3	142.8	137.5	128.3	130.0	129.5
80°	1419.2	401.6	287.4	185.7	139.9	128.8	127.1	122.0	112.0	114.4	114.4
82.5°	972.2	263.6	206.6	152.1	119.5	109.2	109.2	103.9	92.9	94.1	97.5
85°	488.2	181.1	154.4	117.8	92.9	87.6	87.6	83.6	72.5	73.1	77.8
87.5°	148.6	109.2	102.1	84.1	66.7	65.5	62.8	59.8	52.8	52.2	55.1
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4
2.5°	3076.8	3043.8	3003.7	2915.5	2885.9	2884.1	2910.8	2883.1	2936.5	2913.7	2938.7
5°	2481.4	2448.8	2404.1	2291.5	2223.1	2176.7	2154.6	2089.6	2136.6	2102.3	2130.8
7.5°	1824.8	1832.4	1802.8	1736.6	1587.4	1512.5	1468.5	1429.0	1463.3	1459.8	1514.4
10°	1282.7	1303.0	1282.1	1215.4	1094.7	1053.5	1061.6	1077.3	1122.0	1145.1	1229.3
12.5°	923.5	922.2	908.9	849.2	769.6	774.3	807.4	834.6	875.8	900.3	986.2
15°	689.5	679.1	673.2	624.5	579.3	589.1	605.4	608.2	634.4	648.9	718.6
17.5°	521.2	526.4	532.8	498.0	463.8	457.4	444.5	429.0	436.5	439.4	474.1
20°	413.9	434.8	450.3	426.0	391.2	372.7	356.4	346.0	346.0	345.4	355.2
22.5°	361.6	376.7	393.6	376.7	345.4	329.1	319.8	311.7	310.6	310.6	319.8
25°	333.1	344.1	360.4	348.9	325.6	313.5	304.8	294.2	290.2	289.1	295.4
27.5°	319.2	323.9	332.0	321.6	301.8	296.0	293.7	284.4	279.1	276.3	282.7
30°	295.4	294.2	294.9	284.4	268.8	268.1	272.3	273.9	272.3	271.6	281.6
32.5°	273.3	271.1	270.5	261.2	246.7	243.2	246.7	250.2	254.2	260.0	271.6
35°	245.5	251.3	254.8	246.7	229.2	218.8	214.8	208.3	204.9	204.9	218.2
37.5°	223.4	236.8	242.0	234.5	215.3	200.8	193.8	192.8	193.3	195.6	208.3
40°	215.9	225.8	230.4	222.9	203.8	190.3	186.3	185.2	186.3	189.8	202.5
42.5°	211.3	218.2	217.7	208.3	192.8	183.4	181.1	180.0	181.1	184.5	198.6
45°	207.3	211.9	207.3	196.2	181.7	177.0	177.6	177.0	178.2	181.7	195.0
47.5°	203.8	205.5	199.6	188.7	173.5	172.4	174.7	176.5	177.6	180.5	194.5
50°	198.6	198.6	193.3	181.7	166.6	167.1	170.1	174.2	174.7	178.2	189.2
52.5°	192.1	191.5	188.0	177.0	160.8	162.5	162.5	167.1	168.4	172.4	184.0
55°	187.0	185.7	184.0	173.5	155.5	158.4	156.7	158.4	161.3	165.4	178.2
57.5°	182.3	180.0	180.0	170.7	151.6	152.6	148.6	150.9	154.4	157.9	171.2
60°	177.6	175.3	176.5	166.6	145.1	143.9	142.2	146.9	148.0	152.1	165.4
62.5°	172.4	170.7	171.2	161.9	140.5	137.5	137.5	141.6	142.2	148.0	160.8
65°	168.4	166.0	165.4	157.4	135.3	131.7	133.6	135.3	136.3	142.2	154.4
67.5°	164.2	159.6	159.6	153.2	129.5	125.9	129.5	128.8	130.6	135.8	145.7
70°	159.1	152.6	153.2	150.3	123.7	119.5	122.5	122.0	123.0	126.5	136.3
72.5°	150.9	145.7	146.9	145.7	117.8	112.0	113.2	113.2	113.2	116.1	126.5
75°	140.5	136.3	139.9	142.8	110.9	102.7	103.9	103.9	102.1	103.9	116.7
77.5°	127.8	125.3	137.0	133.0	102.7	92.9	92.9	91.7	88.2	90.5	104.5
80°	113.7	112.0	126.5	111.5	93.4	80.7	79.5	76.6	73.1	74.9	88.8
82.5°	99.2	97.5	106.2	85.3	80.7	66.7	63.8	58.7	55.1	57.0	69.6
85°	81.3	81.3	81.8	64.5	61.5	51.1	47.6	40.7	36.6	37.7	49.9
87.5°	58.0	59.8	55.1	44.1	36.6	28.4	26.1	22.1	18.6	21.6	26.1
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4	3567.4
2.5°	3066.5	3130.3	3202.8	3295.7	3375.2	3505.8	3631.2	3706.6
5°	2292.7	2398.9	2531.3	2701.3	2859.8	3097.7	3334.0	3485.5
7.5°	1640.8	1754.6	1897.4	2109.9	2333.9	2637.5	2949.8	3130.9
10°	1357.6	1474.4	1594.4	1737.8	1921.3	2251.5	2620.7	2825.0
12.5°	1123.1	1248.0	1377.3	1528.3	1698.3	1993.2	2418.7	2653.7
15°	859.7	998.9	1151.6	1342.6	1555.6	1896.3	2368.7	2624.1
17.5°	589.1	744.7	932.2	1167.9	1428.4	1864.9	2458.2	2752.5
20°	405.7	518.9	719.2	995.5	1308.9	1860.9	2630.0	2998.5
22.5°	339.6	390.0	536.4	837.0	1218.9	1910.8	2896.4	3343.9
25°	314.0	344.1	428.4	699.4	1153.3	2025.6	3263.1	3790.7
27.5°	299.0	326.2	388.9	609.4	1101.7	2159.2	3620.2	4223.9
30°	304.8	332.5	377.8	563.6	1031.4	2270.6	3937.0	4561.6
32.5°	274.6	286.7	323.9	523.0	980.9	2364.2	4214.5	4841.4
35°	234.0	255.3	289.1	503.8	982.1	2426.7	4516.9	5198.9
37.5°	222.9	244.4	268.8	496.8	995.5	2493.6	4864.0	5618.0
40°	215.9	235.7	256.5	492.8	1008.3	2554.5	5204.1	6032.4
42.5°	211.3	229.2	255.3	478.9	1014.6	2609.0	5483.9	6384.8
45°	210.7	229.2	260.0	464.9	1024.5	2667.7	5718.4	6645.3
47.5°	211.3	236.8	251.3	448.1	1024.5	2765.8	5993.5	6878.1
50°	208.9	249.5	242.0	424.3	1000.7	2951.5	6370.8	7189.8
52.5°	207.8	247.8	224.1	387.8	959.4	3246.3	6854.3	7619.3
55°	204.9	239.2	211.3	333.1	911.3	3568.0	7372.0	8127.2
57.5°	202.0	211.9	204.4	285.6	837.0	3794.2	7728.5	8523.7
60°	226.3	185.2	198.6	262.3	737.7	3856.5	7714.6	8681.5
62.5°	209.6	173.5	190.9	257.1	668.1	3682.2	7358.2	8596.2
65°	164.2	166.0	183.4	272.3	649.5	3220.9	6726.6	8202.1
67.5°	150.3	158.4	175.9	291.4	651.3	2578.8	5782.9	7343.7
70°	141.6	150.3	167.1	301.2	655.9	1922.4	4572.1	5981.4
72.5°	131.7	139.3	157.4	302.9	625.7	1396.6	3523.8	4397.9
75°	120.1	127.1	143.3	264.1	518.3	968.7	2695.5	3009.0
77.5°	106.7	112.0	125.9	203.8	384.8	619.9	2023.4	2198.1
80°	91.1	94.1	105.7	149.1	263.6	387.8	1600.8	1763.9
82.5°	73.1	74.3	81.8	112.0	171.2	249.0	1072.1	1223.6
85°	51.7	51.7	56.3	81.3	116.7	157.9	582.2	645.4
87.5°	24.4	24.9	24.9	44.7	60.9	80.1	134.1	82.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)