

Scaled data based on original data using
LM-46-04 Photometric Testing of Indoor Luminaires Using High Intensity Discharge
or Incandescent Filament Lamps (Reaffirmed 2012)

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: STREETWORKS

Report Number: 768358_350MP

Luminaire Tested: **TRU35PXX4F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 768358_350MP
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: TRU35PXX4F
Description: ARCHITECTURAL AREA LUMINAIRE - TYPE IV
Light Source: 350 WATT PULSE-START CLEAR ED-28 HORIZONTAL BURN
Ballast/Driver: -

Summary

Lumens per Lamp: 33000 (1 lamp)
Luminaire Lumens: 23713.5 lumens
Efficiency: 71.9%
Efficacy: 59.7 lumens/watt
Luminous Opening: Rectangular (W 1.1' x L: 1.1' x H: 0')
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 397
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

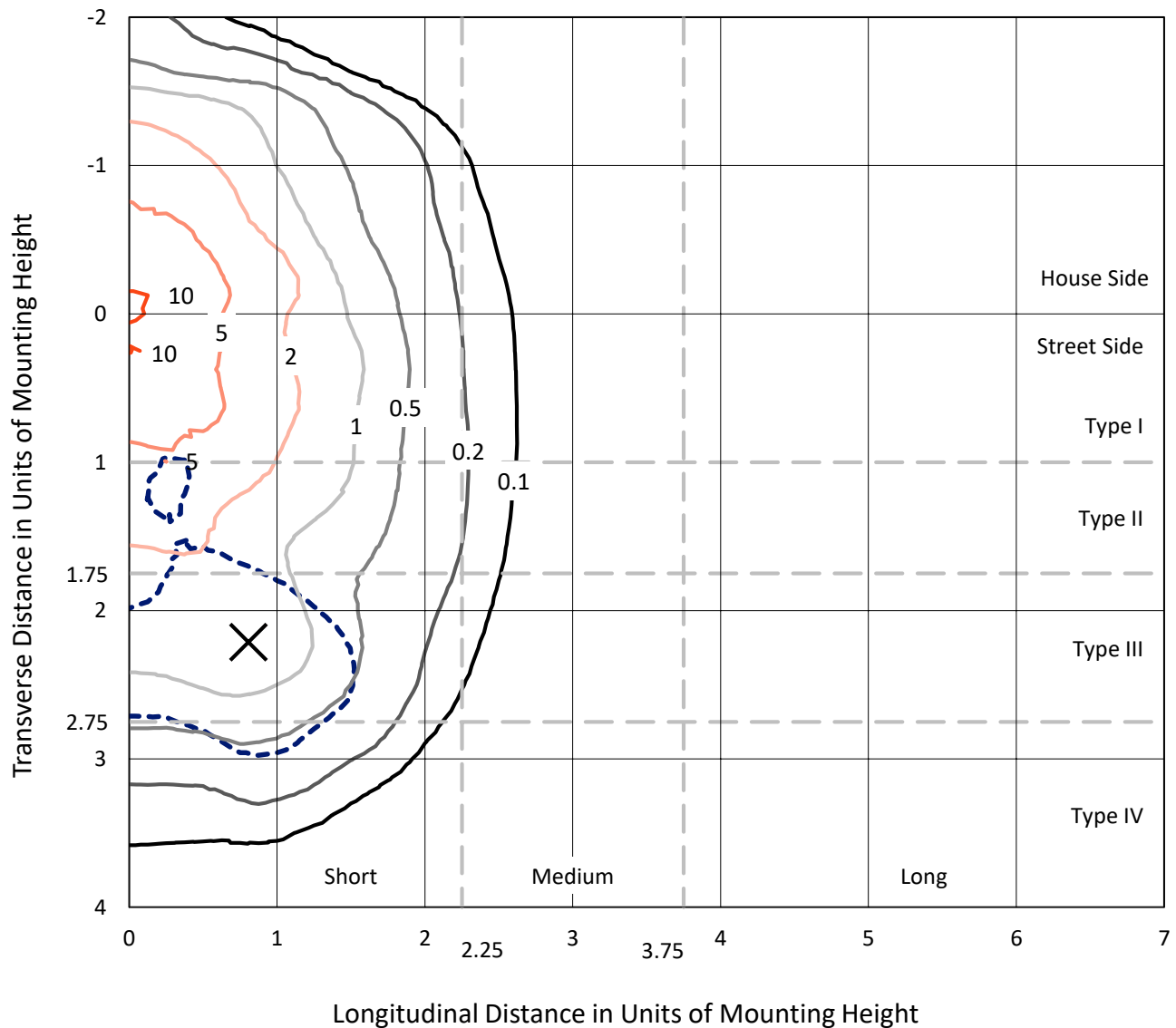


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Iso-Footcandle Lines of Horizontal Illumination

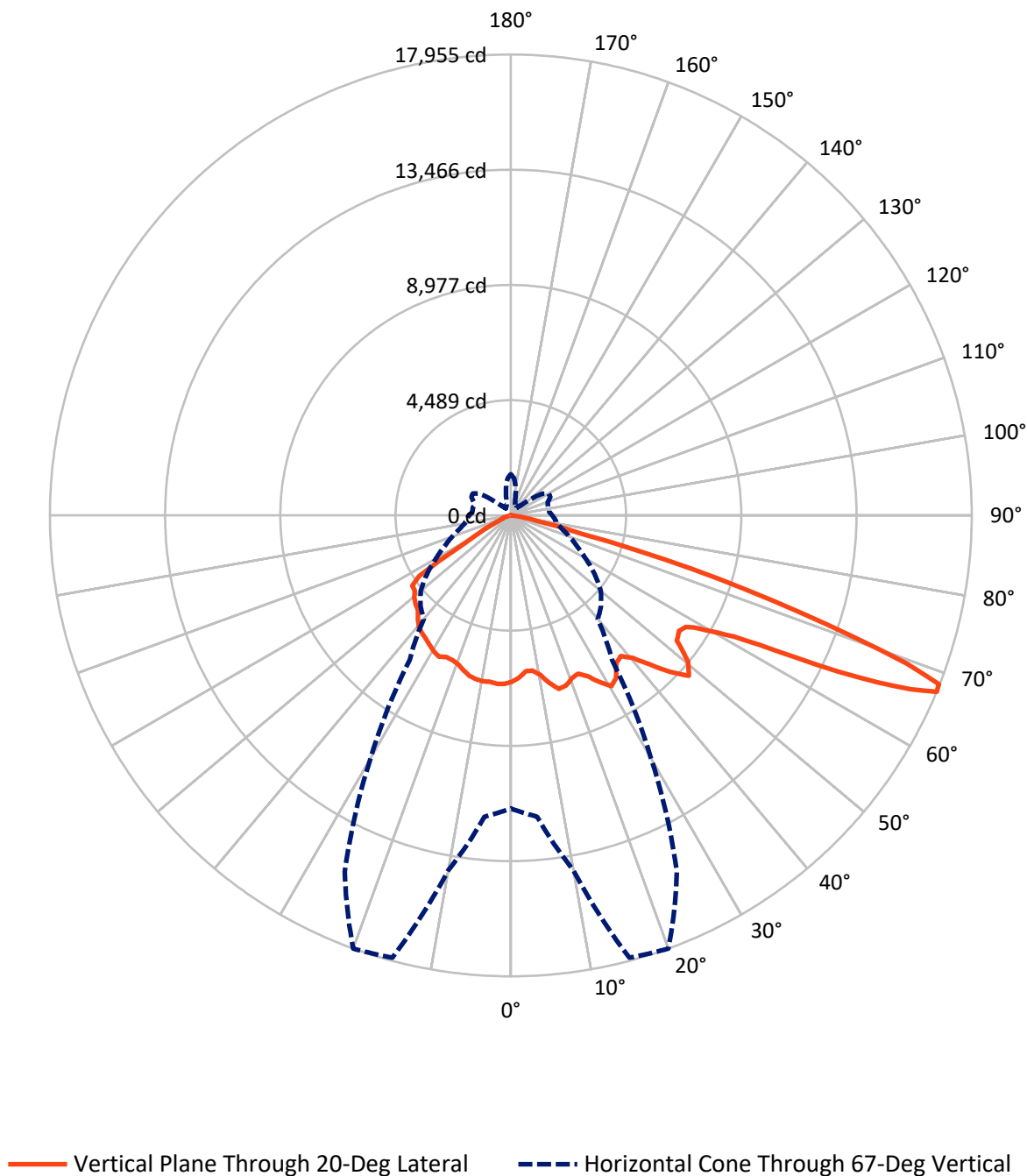
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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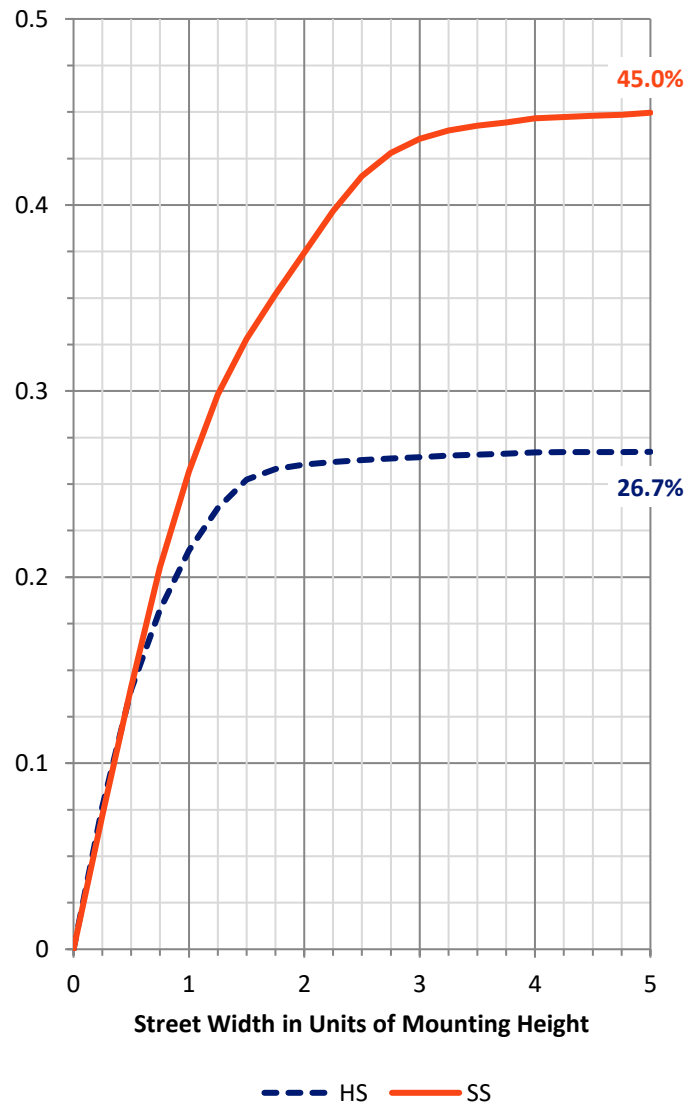
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8857.1	0.0	8857.1
	% Lamp	26.8	0.0	26.8
Street Side	Lumens	14856.4	0.0	14856.4
	% Lamp	45.0	0.0	45.0
Total	Lumens	23713.5	0.0	23713.5
	% Lamp	71.9	0.0	71.9

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	607.5	2.6	1.8
10°-20°	1846.8	7.8	5.6
20°-30°	3006.2	12.7	9.1
30°-40°	3789.7	16.0	11.5
40°-50°	4381.3	18.5	13.3
50°-60°	4437.2	18.7	13.4
60°-70°	4134.1	17.4	12.5
70°-80°	1436.8	6.1	4.4
80°-90°	73.9	0.3	0.2
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	23713.5	100.0	71.9
0°-180°	23713.5	100.0	71.9

Coefficient of Utilization

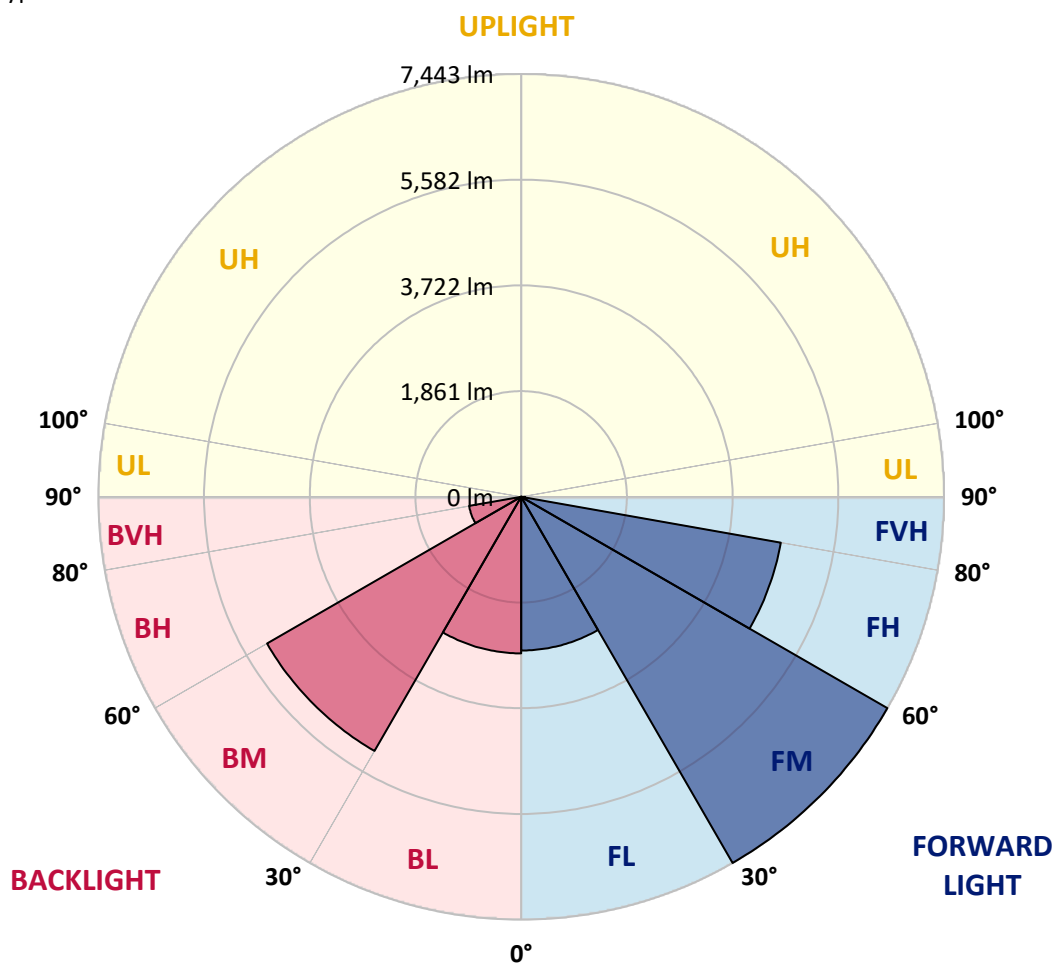


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2705.0	8.2			
FM	(30°-60°)	7443.1	22.6			
FH	(60°-80°)	4640.9	14.1			G2/5000
FVH	(80°-90°)	67.5	0.2			G1/100
BL	(0°-30°)	2755.5	8.4	B4/5000		
BM	(30°-60°)	5165.0	15.7	B4/8500		
BH	(60°-80°)	930.1	2.8	B2/1000		G2/1000
BVH	(80°-90°)	6.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		9286.5	28.1			

BUG Rating: B4-U0-G2
Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	6474.3	6474.3	6474.3	6474.3	6474.3	6474.3	6474.3	6474.3	6474.3	6474.3	6474.3
2.5°	6273.8	6309.6	6338.2	6323.9	6318.2	6316.7	6338.2	6316.7	6338.2	6352.5	6359.7
5°	6073.2	6096.1	6101.9	6109.0	6096.1	6123.4	6123.4	6137.7	6166.3	6154.9	6195.0
7.5°	6159.2	6159.2	6144.8	6130.5	6103.3	6087.6	6073.2	6051.7	6051.7	6044.6	6058.9
10°	6431.3	6445.6	6409.8	6382.6	6323.9	6285.2	6253.7	6183.5	6144.8	6116.2	6101.9
12.5°	6798.0	6789.4	6796.6	6760.8	6696.3	6631.8	6538.7	6467.1	6352.5	6263.7	6199.3
15°	7032.9	7040.1	7018.6	7022.9	7011.4	6929.8	6846.7	6689.1	6607.5	6485.7	6368.3
17.5°	6904.0	6904.0	6909.7	6939.8	6967.0	6982.8	6968.5	6904.0	6810.9	6660.5	6495.8
20°	6746.4	6753.6	6753.6	6770.8	6775.1	6780.8	6832.4	6825.2	6739.3	6663.4	6560.2
22.5°	6975.6	6982.8	6918.3	6789.4	6696.3	6603.2	6538.7	6488.6	6480.0	6438.5	6424.2
25°	7558.6	7426.8	7254.9	7118.9	6932.6	6653.3	6402.7	6237.9	6149.1	6116.2	6120.5
27.5°	7972.5	7880.9	7734.8	7570.0	7340.9	7025.8	6646.2	6381.2	6152.0	6001.6	5887.0
30°	8064.2	7976.8	7872.3	7807.8	7713.3	7419.7	7034.3	6862.5	6553.1	6180.7	5865.5
32.5°	8135.8	7978.3	7739.1	7620.2	7534.2	7383.8	7305.1	7254.9	7111.7	6667.7	6061.8
35°	8121.5	7956.8	7648.8	7312.2	7068.7	7025.8	7369.5	7863.7	7985.4	7227.7	6388.3
37.5°	7796.4	7741.9	7542.8	7233.4	6954.1	6911.2	7359.5	8200.3	8551.2	7777.7	6660.5
40°	7276.4	7445.4	7555.7	7534.2	7290.7	7140.3	7519.9	8322.0	8651.5	7856.5	6725.0
42.5°	7018.6	7219.1	7813.6	8100.0	7928.1	7562.9	7806.4	8207.5	8240.4	7613.0	6646.2
45°	7419.7	7605.9	8486.8	9066.9	8694.5	7992.6	7826.4	7827.9	7690.4	7333.7	6581.7
47.5°	8178.8	8522.6	9475.1	9869.0	9337.6	8329.2	7813.6	7656.0	7419.7	7068.7	6359.7
50°	8701.6	8816.2	9659.9	9790.2	8938.0	8085.7	7688.9	7441.1	7233.4	6818.1	6091.8
52.5°	8780.4	8909.3	9217.3	9224.4	8100.0	7240.6	7233.4	7230.6	7011.4	6545.9	5937.2
55°	8379.3	8572.7	8887.8	8866.3	7949.6	6760.8	6596.0	6682.0	6608.9	6315.3	5970.1
57°	7935.3	8193.1	8830.5	8844.9	8085.7	6653.3	6187.8	6152.0	6302.4	6239.4	6109.0
58°	7777.7	8035.6	8809.0	9002.4	8357.8	6853.9	6109.0	5974.4	6187.8	6255.1	6223.6
59°	7648.8	7949.6	8880.7	9314.7	8787.6	7212.0	6159.2	5901.3	6130.5	6239.4	6316.7
60°	7663.2	7985.4	9081.2	9747.2	9293.2	7677.5	6352.5	5887.0	6066.1	6227.9	6338.2
61°	7792.1	8207.5	9453.6	10441.9	9873.3	8115.8	6667.7	5915.7	6007.3	6164.9	6252.3
62°	8092.9	8478.2	9973.6	11487.6	10900.3	8916.5	6968.5	5958.6	5901.3	6023.1	6071.8
63°	8694.5	9091.2	10757.1	12884.1	12375.6	10033.7	7527.1	6030.3	5743.8	5801.1	5786.8
64°	9568.2	10083.8	11874.3	14108.8	14158.9	11408.8	8228.9	6116.2	5571.9	5528.9	5407.2
65°	10542.2	10893.1	13027.4	15756.0	15671.5	12695.1	9045.4	6266.6	5421.5	5357.0	5092.1
66°	11272.7	11781.2	13893.9	17209.9	16966.4	14114.5	10055.2	6502.9	5314.1	5156.5	4812.7
67°	11415.9	11781.2	14034.3	17832.9	17954.7	15304.8	10928.9	6868.2	5271.1	4970.3	4575.0
68°	10900.3	11179.6	13421.3	17116.8	17923.2	16079.7	11953.1	7355.2	5235.3	4769.8	4311.4
69°	9917.7	10005.1	11881.5	15460.9	16479.4	15641.4	12354.1	7784.9	5206.6	4511.9	3989.1
70°	8617.1	8715.9	10162.6	13471.4	14101.6	13714.9	11602.2	7737.6	5056.2	4189.7	3666.9
72.5°	4411.7	4533.4	5093.5	7971.1	8479.6	7259.2	7104.5	5335.6	4010.6	2950.7	2263.1
75°	2821.8	2735.8	2757.3	3116.8	2850.4	2435.0	2162.9	1754.6	1611.4	1237.6	1072.8
77.5°	2584.0	2399.2	1840.6	1385.1	1081.4	895.2	737.7	621.6	535.7	554.3	583.0
80°	1862.1	1852.0	1287.7	757.7	502.8	393.9	319.4	250.7	243.5	252.1	275.0
82.5°	633.1	567.2	455.5	249.2	170.5	143.2	114.6	106.0	91.7	93.1	103.1
85°	75.9	58.7	53.0	45.8	47.3	41.5	37.2	31.5	31.5	30.1	31.5
87.5°	20.1	15.8	15.8	15.8	20.1	14.3	12.9	11.5	11.5	11.5	10.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	6474.3	6474.3	6474.3	6474.3	6474.3	6474.3	6474.3	6474.3	6474.3	6474.3	6474.3
2.5°	6374.0	6388.3	6388.3	6395.5	6412.7	6431.3	6441.3	6445.6	6460.0	6460.0	6487.2
5°	6202.1	6237.9	6266.6	6289.5	6331.1	6366.9	6402.7	6424.2	6445.6	6477.2	6515.8
7.5°	6066.1	6094.7	6116.2	6163.5	6200.7	6252.3	6295.2	6331.1	6366.9	6409.8	6460.0
10°	6081.8	6087.6	6080.4	6110.5	6152.0	6205.0	6295.2	6345.4	6374.0	6417.0	6452.8
12.5°	6146.3	6081.8	6058.9	6037.4	6058.9	6116.2	6223.6	6323.9	6417.0	6482.9	6531.6
15°	6245.1	6137.7	6058.9	6017.4	6015.9	6073.2	6189.2	6323.9	6445.6	6543.0	6610.4
17.5°	6345.4	6209.3	6080.4	6008.8	5980.1	6008.8	6130.5	6288.1	6445.6	6581.7	6682.0
20°	6419.9	6278.1	6137.7	6015.9	5951.5	5968.7	6076.1	6245.1	6452.8	6634.7	6825.2
22.5°	6345.4	6245.1	6109.0	5994.4	5937.2	5951.5	6044.6	6243.7	6467.1	6732.1	6954.1
25°	6127.7	6109.0	6015.9	5908.5	5865.5	5858.4	5937.2	6137.7	6488.6	6789.4	6947.0
27.5°	5915.7	5994.4	5971.5	5858.4	5752.4	5616.3	5622.0	5872.7	6338.2	6639.0	6732.1
30°	5773.9	5786.8	5791.1	5779.6	5614.9	5365.6	5235.3	5534.7	6010.2	6279.5	6323.9
32.5°	5708.0	5600.5	5490.3	5464.5	5427.2	5142.2	4834.2	5113.5	5614.9	5915.7	5845.5
35°	5815.4	5487.4	5328.4	5311.2	5282.6	4941.7	4553.5	4827.1	5364.2	5557.6	5586.2
37.5°	5930.0	5478.8	5271.1	5215.2	5178.0	4726.8	4354.4	4569.2	5084.9	5256.8	5364.2
40°	6008.8	5494.6	5213.8	5113.5	4898.7	4504.8	4168.2	4363.0	4927.3	5077.7	5013.3
42.5°	6014.5	5514.6	5242.5	5106.4	4762.6	4282.8	3967.7	4103.7	4612.2	4865.7	4870.0
45°	5951.5	5536.1	5291.2	4963.1	4460.4	4066.5	3837.3	4017.8	4526.3	4754.0	4927.3
47.5°	5793.9	5507.4	5278.3	4870.0	4325.7	3917.5	3666.9	3838.7	4461.8	4726.8	4898.7
50°	5686.5	5564.7	5285.4	4748.3	4275.6	3810.1	3486.4	3802.9	4347.2	4540.6	4361.6
52.5°	5693.7	5657.8	5378.5	4617.9	4218.3	3926.1	3681.2	3917.5	4161.0	3917.5	3380.4
55°	5858.4	5815.4	5099.2	4504.8	4397.4	4149.6	3845.9	3645.4	3318.8	3187.0	3069.6
57°	6073.2	5725.2	4884.4	4511.9	4499.1	4297.1	3781.4	3373.2	3182.7	3022.3	2857.6
58°	6180.7	5600.5	4867.2	4519.1	4511.9	4275.6	3717.0	3323.1	3108.2	2957.8	2721.5
59°	6195.0	5453.0	4776.9	4476.1	4411.7	4175.3	3595.2	3201.3	2986.5	2828.9	2563.9
60°	6080.4	5212.4	4645.2	4361.6	4268.4	3996.3	3442.0	3079.6	2914.9	2711.5	2429.3
61°	5877.0	5054.8	4499.1	4152.4	4017.8	3724.1	3179.9	2893.4	2692.8	2521.0	2277.5
62°	5543.3	4769.8	4188.2	3831.6	3645.4	3366.1	2963.6	2657.0	2508.1	2370.6	2168.6
63°	5178.0	4447.5	3939.0	3496.4	3248.6	3029.5	2743.0	2503.8	2320.4	2220.2	2034.0
64°	4805.6	4039.3	3609.6	3122.6	2886.2	2657.0	2420.7	2248.8	2084.1	2041.1	1890.7
65°	4476.1	3867.4	3222.8	2837.5	2556.8	2334.8	2170.0	2012.5	1896.5	1866.4	1776.1
66°	4261.3	3638.2	3072.4	2592.6	2284.6	2068.3	1926.5	1804.8	1693.1	1697.4	1640.1
67°	3982.0	3366.1	2843.2	2435.0	2069.8	1819.1	1726.0	1618.6	1501.1	1506.8	1489.7
68°	3702.7	3122.6	2621.2	2223.0	1892.2	1726.0	1559.8	1463.9	1393.7	1319.2	1319.2
69°	3437.7	2864.7	2341.9	1970.9	1684.5	1492.5	1389.4	1326.4	1237.6	1092.9	1054.2
70°	3122.6	2470.8	1926.5	1685.9	1451.0	1300.6	1187.4	1095.8	982.6	848.0	790.7
72.5°	1784.7	1346.4	1174.5	1111.5	1064.2	941.1	797.8	661.8	532.8	495.6	444.0
75°	992.6	929.6	901.0	933.9	896.7	805.0	674.6	517.1	418.3	373.8	339.5
77.5°	611.6	664.6	711.9	729.1	694.7	565.8	425.4	343.8	259.3	229.2	199.1
80°	328.0	392.5	448.3	402.5	369.6	296.5	240.6	173.3	137.5	117.5	94.5
82.5°	110.3	137.5	141.8	133.2	123.2	108.9	81.6	60.2	57.3	45.8	38.7
85°	34.4	28.6	30.1	28.6	24.4	27.2	22.9	20.1	18.6	17.2	12.9
87.5°	10.0	8.6	7.2	7.2	7.2	7.2	5.7	4.3	4.3	2.9	2.9
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	6474.3	6474.3	6474.3	6474.3	6474.3	6474.3	6474.3	6474.3	6474.3	6474.3	6474.3
2.5°	6504.4	6545.9	6553.1	6560.2	6534.4	6538.7	6545.9	6540.2	6553.1	6560.2	6566.0
5°	6531.6	6567.4	6581.7	6574.6	6538.7	6553.1	6560.2	6560.2	6567.4	6574.6	6581.7
7.5°	6474.3	6510.1	6531.6	6538.7	6521.6	6517.3	6517.3	6517.3	6531.6	6524.4	6531.6
10°	6485.7	6531.6	6545.9	6541.6	6524.4	6545.9	6545.9	6545.9	6545.9	6560.2	6553.1
12.5°	6553.1	6588.9	6639.0	6631.8	6636.1	6633.3	6603.2	6600.3	6588.9	6560.2	6520.1
15°	6646.2	6726.4	6767.9	6782.2	6760.8	6725.0	6667.7	6603.2	6545.9	6502.9	6452.8
17.5°	6767.9	6885.4	6954.1	6975.6	6911.2	6853.9	6782.2	6669.1	6538.7	6421.3	6306.7
20°	6957.0	7090.2	7140.3	7126.0	7110.3	7068.7	6918.3	6753.6	6541.6	6333.9	6152.0
22.5°	7110.3	7210.5	7240.6	7312.2	7355.2	7326.5	7176.1	6947.0	6639.0	6359.7	6080.4
25°	7047.2	7104.5	7176.1	7302.2	7369.5	7388.1	7247.8	7000.0	6717.8	6401.2	6058.9
27.5°	6767.9	6808.0	6914.0	7032.9	7114.6	7154.7	7025.8	6846.7	6703.5	6495.8	6173.5
30°	6313.9	6352.5	6358.3	6454.2	6553.1	6610.4	6538.7	6564.5	6573.1	6402.7	6087.6
32.5°	5815.4	5743.8	5686.5	5715.1	5786.8	5745.2	5938.6	6144.8	6222.2	6132.0	5958.6
35°	5514.6	5377.1	5263.9	5185.2	5083.5	5135.0	5450.1	5662.1	5815.4	5915.7	5836.9
37.5°	5256.8	4956.0	4877.2	4832.8	4716.8	4776.9	4920.2	5243.9	5540.4	5733.8	5742.4
40°	4913.0	4732.5	4789.8	4626.5	4476.1	4454.7	4622.2	4963.1	5314.1	5528.9	5629.2
42.5°	4870.0	4712.5	4633.7	4347.2	4096.6	4123.8	4390.2	4765.5	5079.2	5278.3	5407.2
45°	4913.0	4576.4	4024.9	3774.3	3717.0	3937.6	4254.1	4610.8	4782.7	4977.5	5156.5
47.5°	4526.3	3823.0	3510.7	3409.0	3573.8	3838.7	4125.2	4347.2	4590.7	4819.9	5070.6
50°	3666.9	3287.3	3258.6	3237.1	3401.9	3684.0	3903.2	4205.4	4491.9	4691.0	4941.7
52.5°	3172.7	3049.5	3015.1	3079.6	3230.0	3406.2	3666.9	4046.4	4318.6	4440.3	4748.3
55°	2879.1	2767.3	2821.8	2965.0	3036.6	3194.2	3495.0	3888.9	4182.5	4454.7	4715.3
57°	2677.1	2594.0	2743.0	2871.9	2929.2	3079.6	3480.6	3878.8	4182.5	4354.4	4282.8
58°	2535.3	2521.0	2678.5	2807.4	2857.6	3043.8	3437.7	3805.8	4032.1	3823.0	3366.1
59°	2420.7	2456.5	2621.2	2735.8	2803.1	3029.5	3423.4	3724.1	3843.0	3114.0	2334.8
60°	2298.9	2407.8	2565.4	2664.2	2754.4	3029.5	3394.7	3568.0	3273.0	2334.8	1790.5
61°	2198.7	2341.9	2512.4	2571.1	2678.5	2979.3	3265.8	3205.6	2420.7	1726.0	1486.8
62°	2117.0	2277.5	2449.3	2478.0	2622.7	2807.4	3000.8	2334.8	1783.3	1582.8	1289.1
63°	2026.8	2198.7	2356.2	2387.8	2521.0	2571.1	2248.8	1521.2	1353.6	1279.1	1087.2
64°	1912.2	2112.7	2220.2	2306.1	2320.4	1969.5	1518.3	1080.0	1001.2	942.5	826.5
65°	1783.3	1998.1	2062.6	2155.7	1917.9	1399.4	912.4	836.5	714.8	681.8	666.0
66°	1663.0	1854.9	1926.5	1847.8	1455.3	893.8	660.3	558.6	525.7	525.7	570.1
67°	1532.6	1691.6	1703.1	1458.1	890.9	554.3	424.0	340.9	365.3	412.5	479.8
68°	1276.2	1399.4	1274.8	946.8	561.5	378.1	297.9	247.8	269.3	328.0	369.6
69°	1047.1	1047.1	892.4	575.8	392.5	260.7	222.0	206.3	227.7	279.3	346.6
70°	730.5	693.3	565.8	419.7	285.0	212.0	193.4	189.1	214.9	265.0	345.2
72.5°	328.0	250.7	219.2	203.4	177.6	157.6	149.0	160.4	184.8	232.0	326.6
75°	181.9	156.1	138.9	130.3	116.0	107.4	106.0	107.4	127.5	144.7	216.3
77.5°	117.5	81.6	73.1	65.9	58.7	53.0	57.3	48.7	41.5	45.8	47.3
80°	58.7	38.7	31.5	28.6	22.9	21.5	15.8	14.3	11.5	10.0	10.0
82.5°	25.8	18.6	15.8	14.3	17.2	10.0	8.6	7.2	7.2	5.7	5.7
85°	10.0	7.2	7.2	5.7	5.7	4.3	4.3	2.9	2.9	2.9	2.9
87.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	165°	170°	175°	180°
0°	6474.3	6474.3	6474.3	6474.3
2.5°	6568.8	6588.9	6574.6	6574.6
5°	6588.9	6588.9	6596.0	6588.9
7.5°	6538.7	6538.7	6531.6	6517.3
10°	6553.1	6553.1	6545.9	6545.9
12.5°	6488.6	6460.0	6435.6	6445.6
15°	6414.1	6345.4	6309.6	6302.4
17.5°	6187.8	6087.6	6076.1	6026.0
20°	6008.8	5894.2	5815.4	5801.1
22.5°	5829.7	5650.7	5592.0	5528.9
25°	5772.4	5579.1	5471.6	5428.7
27.5°	5822.6	5564.7	5407.2	5357.0
30°	5752.4	5504.6	5378.5	5332.7
32.5°	5718.0	5550.4	5507.4	5514.6
35°	5743.8	5743.8	5844.0	5887.0
37.5°	5772.4	5937.2	6209.3	6259.4
40°	5755.2	6015.9	6392.6	6488.6
42.5°	5507.4	5801.1	6149.1	6255.1
45°	5349.9	5620.6	5887.0	5971.5
47.5°	5289.7	5521.8	5700.8	5743.8
50°	5027.6	5278.3	5471.6	5557.6
52.5°	4948.8	5199.5	5443.0	5543.3
55°	4755.5	4862.9	5043.4	5156.5
57°	3596.7	3417.6	3466.3	3452.0
58°	2972.2	2599.7	2704.3	2817.5
59°	2155.7	2148.5	2442.2	2608.3
60°	1783.3	1859.2	2117.0	2349.1
61°	1482.5	1668.7	1928.0	2129.9
62°	1267.6	1485.4	1807.6	1962.3
63°	1085.7	1347.9	1675.9	1804.8
64°	949.7	1260.5	1597.1	1733.2
65°	835.1	1203.2	1561.3	1704.5
66°	769.2	1134.4	1531.2	1661.5
67°	673.2	1072.8	1446.7	1604.2
68°	550.0	1024.1	1512.6	1661.5
69°	565.8	1108.7	1634.3	1833.4
70°	590.1	1196.0	1757.5	1948.0
72.5°	637.4	1393.7	2306.1	2606.9
75°	499.9	1178.8	1837.7	2089.8
77.5°	65.9	113.2	71.6	87.4
80°	10.0	10.0	11.5	12.9
82.5°	7.2	7.2	7.2	7.2
85°	2.9	4.3	2.9	4.3
87.5°	1.4	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)