Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P639114

Luminaire Tested: **USSL-M-C099-D-U-T3-BZ-7030-HSS**

Issue Date: 1/25/2023

Report Generated By 670246001

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P639114
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-605-4)
Test Lab:	INNOVATION CENTER
Issue Date:	1/25/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	USSL-M-C099-D-U-T3-BZ-7030-HSS
Description:	PREVAIL M AREA AND ROADWAY LUMINAIRE
	(9) 70 CRI, 3000K LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD, BRONZE PAINTED FINISH
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	61106 lumens
Efficiency:	N/A
Efficacy:	125.6 lumens/watt
Luminous Opening:	Rectangular (W 1.83' x L: 1.75' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B4 - U0 - G5
Input Watts (W):	486.6
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:	24 FT

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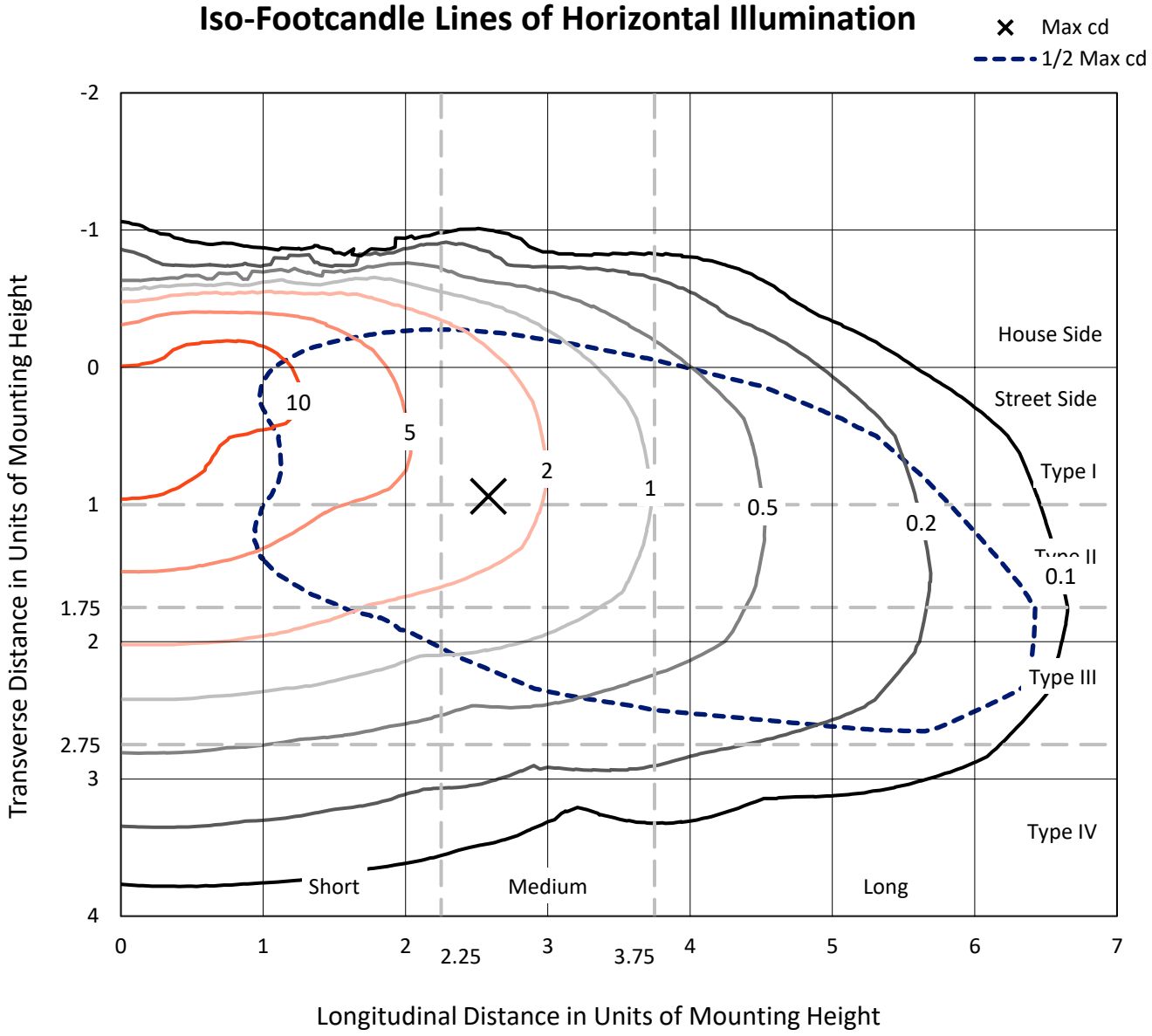
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 14 fc
Type III - Medium - N/A

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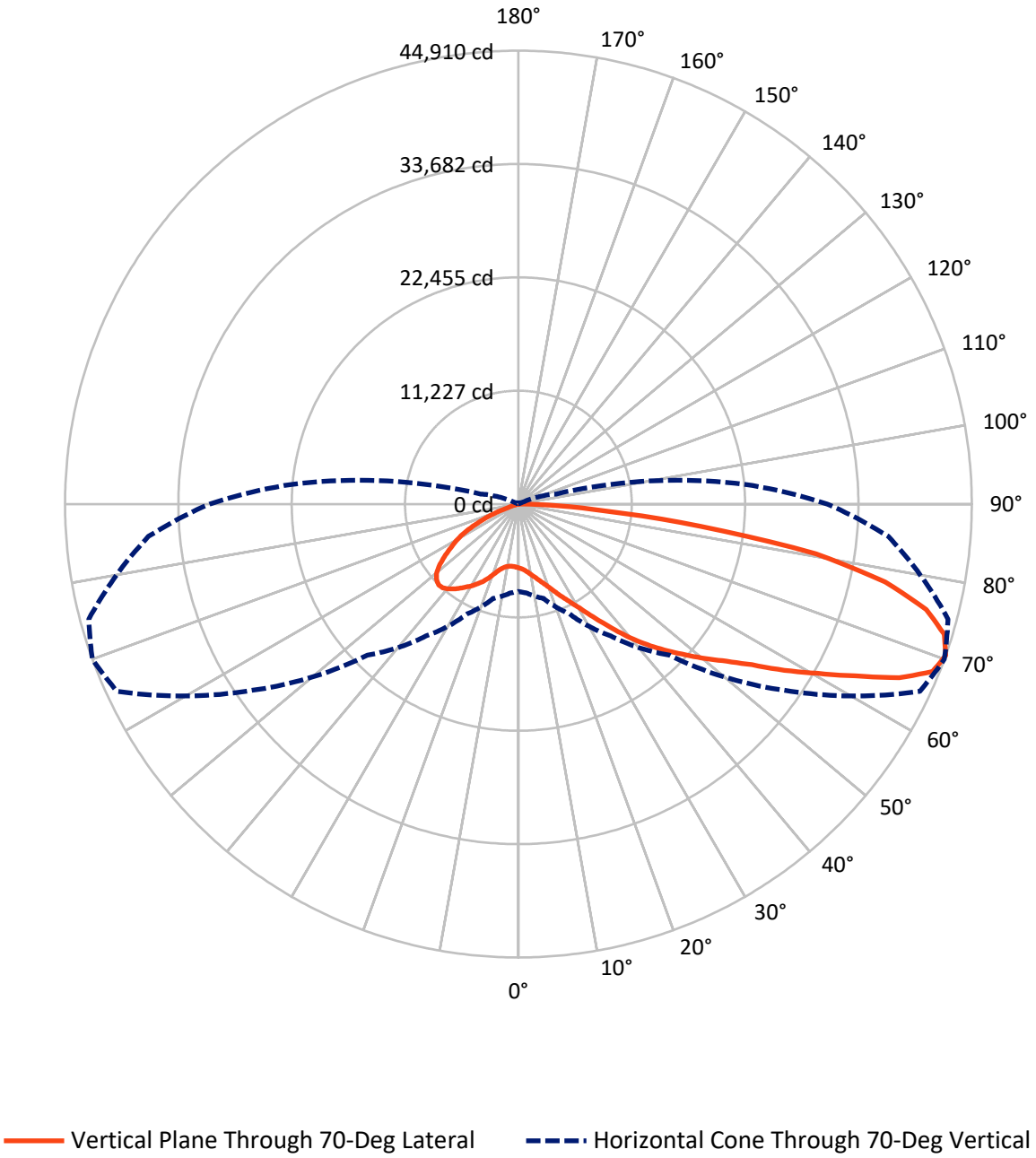
Luminous Intensity Polar Plot



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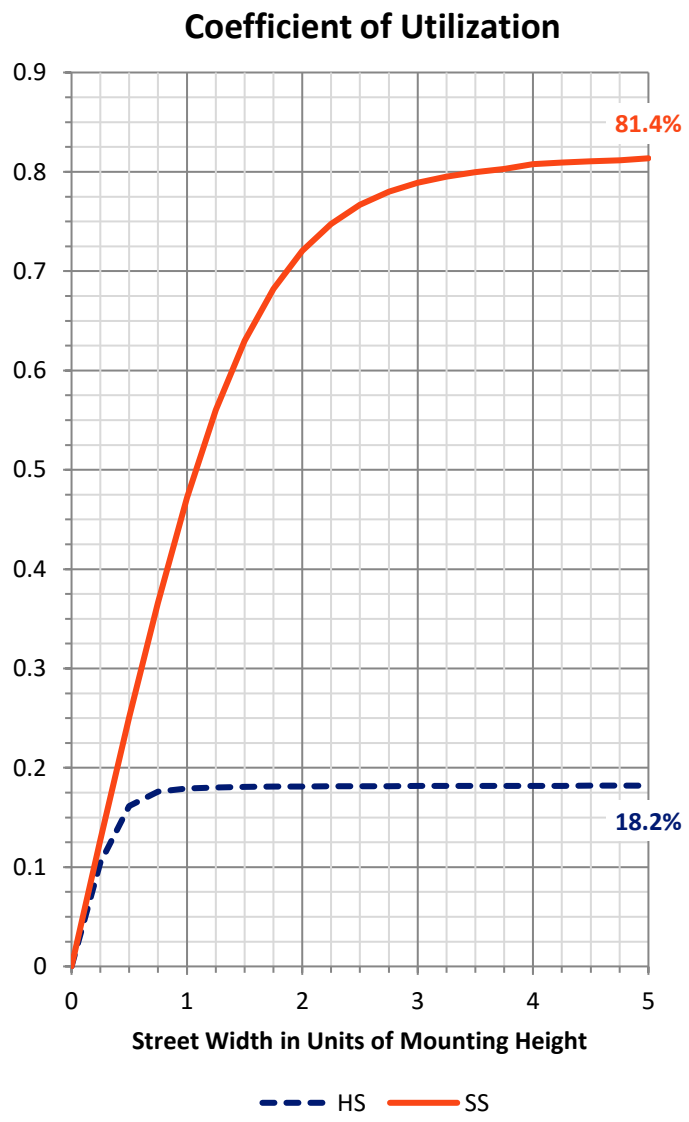
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11248.4	0.0	11248.4
	% Fixture	18.4	0.0	18.4
Street Side	Lumens	49857.6	0.0	49857.6
	% Fixture	81.6	0.0	81.6
Total	Lumens	61106.0	0.0	61106.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.6	1.0
10°-20°	1894.0	3.1
20°-30°	3489.5	5.7
30°-40°	5827.8	9.5
40°-50°	9092.3	14.9
50°-60°	12470.6	20.4
60°-70°	14800.7	24.2
70°-80°	10909.9	17.9
80°-90°	2013.5	3.3
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°	61106.0	100.0
0°-180°	61106.0	100.0



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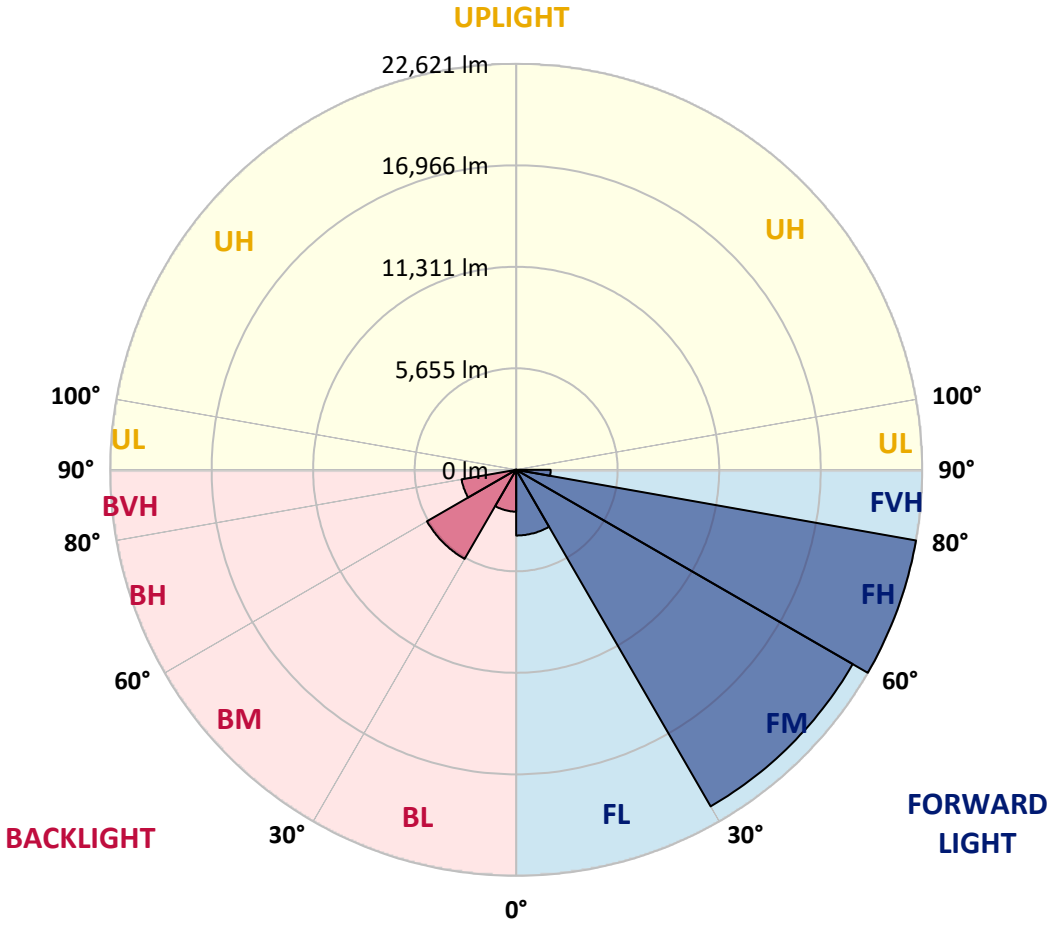
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3662.1	6.0			
FM	(30°-60°)	21653.5	35.4			
FH	(60°-80°)	22621.5	37.0			G5
FVH	(80°-90°)	1920.5	3.1			G5
BL	(0°-30°)	2328.9	3.8	B3/2500		
BM	(30°-60°)	5737.3	9.4	B4/8500		
BH	(60°-80°)	3089.2	5.1	B4/5000		G4/5000
BVH	(80°-90°)	93.0	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	6320.5	6320.5	6320.5	6320.5	6320.5	6320.5	6320.5	6320.5	*6320.5*	6320.5	6320.5
2.5°	6595.5	6606.2	6631.5	6582.1	6582.1	6500.7	6495.4	6468.7	*6421.9*	6404.6	6380.6
5°	6889.1	6909.2	6911.8	6874.5	6846.4	6763.7	6711.6	6658.2	*6591.5*	6556.8	6482.0
7.5°	7116.1	7130.7	7161.4	7137.4	7121.4	7013.3	6985.2	6915.8	*6823.7*	6766.3	6646.2
10°	7272.2	7320.3	7345.7	7340.3	7373.7	7294.9	7285.6	7209.5	*7117.4*	7037.3	6891.8
12.5°	7392.4	7433.8	7487.1	7524.5	7587.3	7585.9	7583.3	7537.9	*7456.4*	7351.0	7182.8
15°	7481.8	7532.5	7620.6	7708.7	7816.9	7848.9	7941.0	7929.0	*7847.6*	7755.5	7543.2
17.5°	7686.0	7731.4	7802.2	7907.6	8054.5	8147.9	8301.4	8349.5	*8310.7*	8216.0	7979.7
20°	7986.4	7997.1	8066.5	8162.6	8325.4	8516.3	8788.6	8910.1	*8830.0*	8790.0	8565.7
22.5°	8341.5	8373.5	8382.8	8470.9	8631.1	8912.8	9286.5	9488.1	*9501.4*	9408.0	9243.8
25°	8747.2	8757.9	8739.2	8811.3	9039.6	9367.9	9811.1	10132.8	*10215.6*	10191.5	10143.5
27.5°	9175.7	9241.1	9242.5	9265.2	9476.1	9833.8	10399.8	10912.4	*11020.5*	11072.5	11286.1
30°	10235.6	10262.3	10152.8	9956.6	10019.4	10410.5	11072.5	11745.3	*11934.9*	12160.4	12782.5
32.5°	11583.8	11534.4	11374.2	11019.2	10758.9	11067.2	11782.7	12655.7	*13118.9*	13627.4	14272.2
35°	12893.3	12858.6	12731.8	12376.7	11928.2	11782.7	12538.2	13715.5	*14476.4*	15478.9	16018.1
37.5°	14120.0	14154.7	14059.9	13710.2	13197.6	12843.9	13376.5	14827.5	*16016.8*	17318.3	17773.5
40°	15320.0	15349.4	15317.4	15007.7	14711.3	14208.1	14345.6	16015.5	*17629.3*	19076.3	19455.4
42.5°	16266.4	16375.9	16494.7	16154.3	16014.1	15711.1	15362.7	17110.1	*19201.8*	20752.8	21030.5
45°	17063.3	17047.3	17182.1	17194.1	17251.5	17112.7	16666.9	18330.1	*20730.2*	22353.3	22418.7
47.5°	17640.0	17579.9	17710.7	18084.5	18443.6	18407.5	18177.9	19578.2	*22305.3*	23877.7	23793.6
50°	17943.0	17947.0	18252.7	18865.4	19580.9	19774.4	19709.0	21369.5	*24068.6*	25518.2	25204.6
52.5°	18180.6	18282.0	18781.3	19575.5	20735.5	21165.3	21270.8	23589.4	*25838.6*	27133.4	26538.1
55°	18287.4	18462.3	19026.9	20032.0	21565.8	22450.8	22865.9	25917.4	*28078.5*	29145.0	27965.0
57.5°	17725.4	17932.3	18789.3	20149.5	22135.7	23431.9	24515.8	28676.5	*31063.2*	31356.9	29640.2
60°	16405.3	16541.4	17911.0	19906.6	22266.6	24332.9	26413.9	32037.6	*34037.2*	33966.5	31370.2
62.5°	15110.5	15193.2	16446.6	18986.8	21900.8	24773.4	28348.1	35777.9	*37467.8*	36732.3	33065.5
65°	13340.4	13471.3	14880.9	17315.6	20748.8	24570.5	30402.4	39722.3	*41469.7*	40754.2	34911.6
67.5°	11227.4	11363.5	12552.9	14888.9	18873.4	23512.0	31546.4	42715.1	*44242.1*	43345.1	36193.0
70°	*8661.8*	*8826.0*	*9677.6*	*12005.6*	*15951.4*	*21174.7*	*32143.1*	*43881.7*	*44909.5*	*44056.6*	*36784.3*
72.5°	6021.5	6179.0	6700.9	8182.6	12161.8	17782.8	31599.8	43658.8	*44104.6*	43317.1	35599.0
75°	3869.7	4095.3	4515.8	5468.9	7169.5	12855.9	28308.1	41467.0	*41721.9*	40549.9	32539.5
77.5°	588.7	671.4	2462.8	3205.0	4521.1	6167.0	20068.1	36697.6	*37148.8*	35803.2	28254.7
80°	415.1	429.8	1062.5	2063.7	2729.8	3446.6	9306.5	26674.2	*29893.9*	28198.6	19914.6
82.5°	296.3	320.4	504.6	1349.5	1523.1	1321.5	3030.1	15122.5	*18144.6*	18052.5	10617.4
85°	186.9	206.9	307.0	464.5	822.3	776.9	971.8	6223.1	*8472.3*	8503.0	4136.7
87.5°	98.8	108.1	178.9	273.6	387.1	432.5	475.2	1775.3	*2987.4*	2844.6	919.7
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°	6320.5	6320.5	6320.5	6320.5	6320.5	6320.5	6320.5	6320.5	6320.5	6320.5	6320.5
2.5°	6339.2	6319.2	6277.8	6207.0	6137.6	6089.6	6078.9	6009.5	6001.5	6008.1	6005.5
5°	6419.3	6371.2	6264.4	6122.9	5984.1	5870.7	5790.6	5674.4	5622.4	5603.7	5626.4
7.5°	6563.4	6480.7	6307.1	6089.6	5866.6	5671.8	5515.6	5363.4	5288.7	5232.6	5189.9
10°	6771.7	6658.2	6403.3	6100.2	5793.2	5526.3	5278.0	5061.7	4912.2	4828.1	4802.8
12.5°	7050.7	6895.8	6559.4	6175.0	5774.5	5406.1	5067.1	4762.7	4561.2	4446.4	4425.0
15°	7368.3	7216.2	6815.7	6345.9	5856.0	5383.4	4948.3	4559.8	4232.8	4068.6	4021.9
17.5°	7790.2	7620.6	7188.1	6643.5	6046.9	5442.2	4856.2	4306.2	3848.4	3626.8	3597.4
20°	8381.5	8201.3	7719.4	7038.6	6297.8	5500.9	4724.0	4012.5	3415.9	3118.2	3051.5
22.5°	9083.6	8923.4	8362.8	7452.4	6496.7	5484.9	4515.8	3582.7	2841.9	2501.5	2442.8
25°	10046.0	9891.2	9026.2	7795.5	6596.8	5368.7	4163.4	2998.1	2146.4	1794.0	1771.3
27.5°	11216.7	10876.3	9613.6	8073.1	6559.4	5067.1	3586.7	2179.8	1443.0	1165.3	1131.9
30°	12463.5	11924.2	10270.3	8297.4	6454.0	4587.9	2735.1	1436.3	905.0	762.2	732.8
32.5°	13922.4	13196.3	10893.7	8449.6	6212.4	3917.8	1862.1	882.3	572.6	487.2	481.9
35°	15460.2	14535.1	11663.9	8531.0	5775.9	3026.1	1065.2	515.3	357.7	348.4	348.4
37.5°	17099.4	15986.1	12499.5	8543.0	5113.8	1988.9	616.7	308.3	275.0	316.4	332.4
40°	18599.7	17299.6	13345.8	8430.9	4271.5	1137.3	340.4	234.9	246.9	292.3	307.0
42.5°	20036.0	18570.4	14176.1	8165.3	3063.5	624.7	240.3	205.6	218.9	242.9	248.3
45°	21322.8	19713.0	14804.8	7676.7	1899.5	351.1	217.6	180.2	181.5	198.9	201.6
47.5°	22568.2	20778.2	15202.6	6926.5	982.4	289.7	198.9	162.9	158.8	176.2	181.5
50°	23750.9	21771.3	15437.5	5901.4	505.9	268.3	188.2	149.5	150.8	184.2	186.9
52.5°	24896.2	22719.1	15496.2	4439.7	349.7	241.6	172.2	140.2	145.5	190.9	197.6
55°	26128.3	23712.2	15365.4	2663.0	329.7	221.6	156.2	126.8	137.5	154.8	157.5
57.5°	27256.2	24697.3	14879.5	1129.3	312.4	202.9	141.5	116.1	110.8	125.5	130.8
60°	28503.0	25634.4	13720.9	532.6	291.0	181.5	126.8	102.8	94.8	104.1	109.5
62.5°	30244.9	26337.8	11745.3	400.5	273.6	168.2	113.5	93.4	85.4	90.8	96.1
65°	31188.7	26405.9	9173.1	349.7	260.3	157.5	104.1	88.1	76.1	78.8	84.1
67.5°	31551.7	25064.4	6651.5	304.3	241.6	146.8	96.1	82.8	70.7	68.1	70.7
70°	*30606.7*	*22480.1*	*3865.7*	*280.3*	*218.9*	*136.2*	*90.8*	*80.1*	*65.4*	*57.4*	*57.4*
72.5°	27851.6	18934.8	1601.8	249.6	194.9	121.5	85.4	82.8	62.7	45.4	45.4
75°	23988.5	14754.0	477.9	206.9	166.9	110.8	85.4	85.4	61.4	34.7	34.7
77.5°	19048.2	9198.4	284.3	161.5	132.1	98.8	84.1	81.4	46.7	26.7	25.4
80°	10826.9	3263.7	206.9	120.1	101.4	81.4	74.8	66.7	34.7	22.7	22.7
82.5°	4326.2	739.5	146.8	85.4	82.8	62.7	49.4	38.7	28.0	20.0	20.0
85°	1134.6	233.6	88.1	56.1	50.7	46.7	17.4	16.0	22.7	18.7	18.7
87.5°	186.9	93.4	46.7	42.7	32.0	22.7	8.0	8.0	13.3	16.0	17.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)