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

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1200683

Luminaire Tested: GPC-SB2D-735-U-T2R-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1200683
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab:	INNOVATION CENTER
Issue Date:	3/13/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB2D-735-U-T2R-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II ROADWAY OPTIC WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17227 lumens
Efficiency:	N/A
Efficacy:	116.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	147.6
Input Voltage (V):	120.0
Input Current (Ain):	1.234
Voltage Rise (V):	NR
Power Factor:	0.999
Total Harmonic Distortion (THDi):	3.108
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

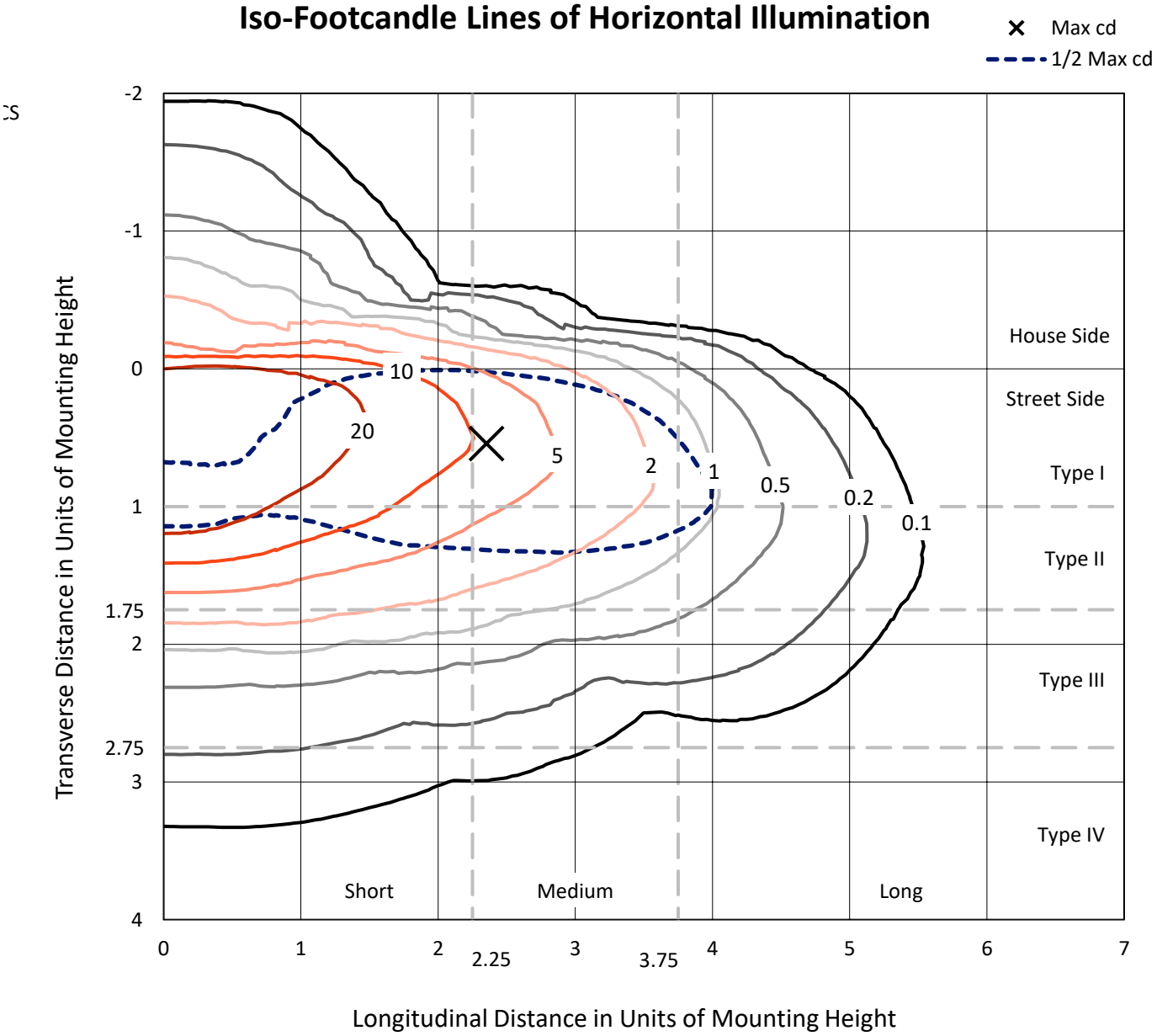


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Iso-Footcandle Lines of Horizontal Illumination



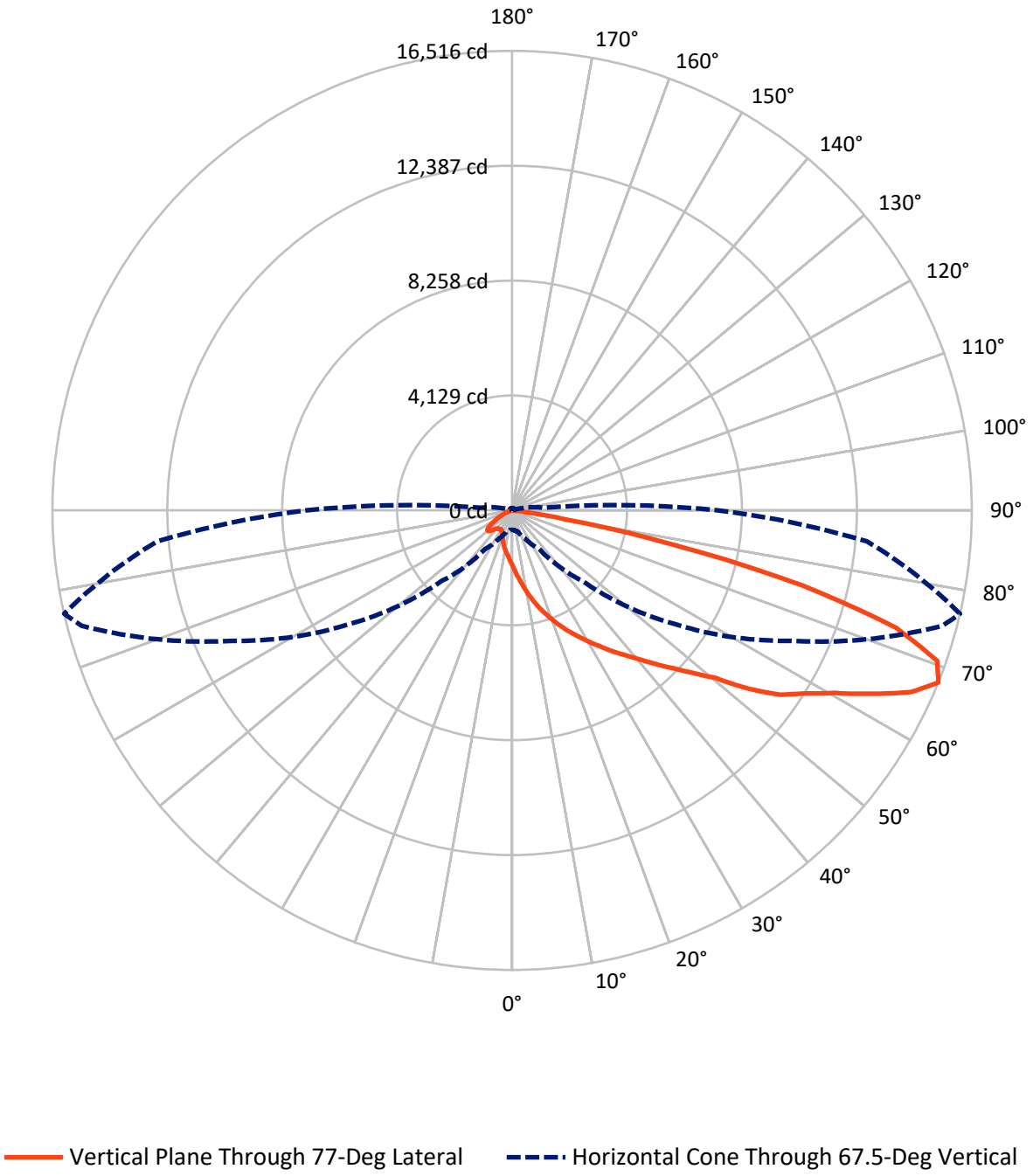
Based on 10 foot mounting height. Maximum calculated value = 46.4 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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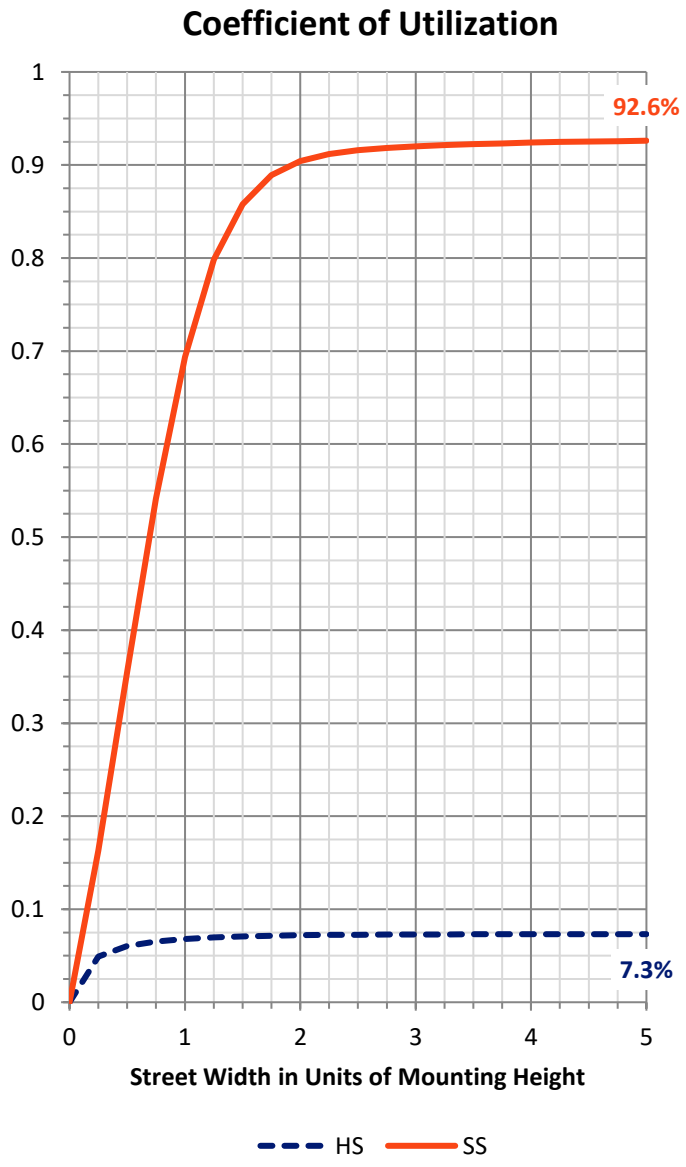
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1267.4	0.0	1267.4
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	15959.6	0.0	15959.6
	% Fixture	92.6	0.0	92.6
Total	Lumens	17227.0	0.0	17227.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.8	1.2
10°-20°	710.0	4.1
20°-30°	1370.2	8.0
30°-40°	2378.7	13.8
40°-50°	3453.7	20.0
50°-60°	3966.2	23.0
60°-70°	3443.4	20.0
70°-80°	1621.9	9.4
80°-90°	80.2	0.5
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°	17227.0	100.0
0°-180°	17227.0	100.0



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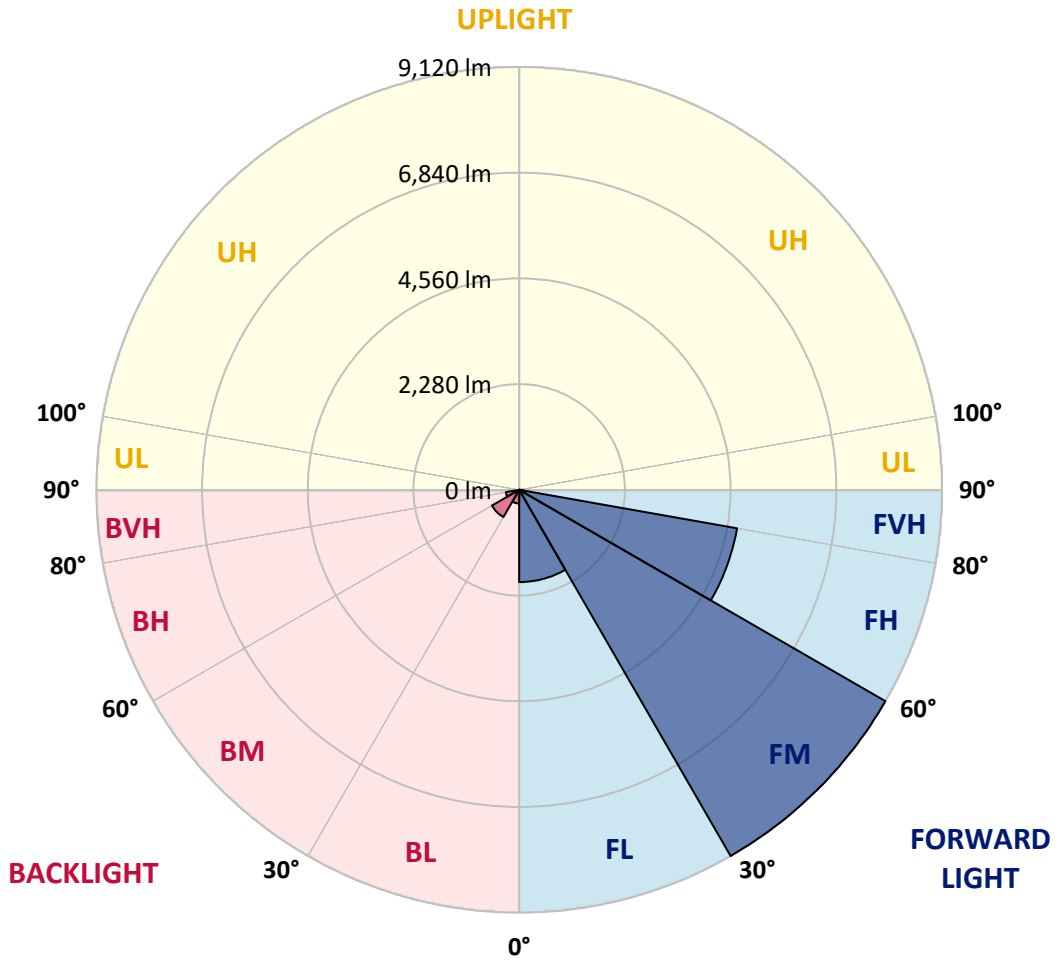
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1989.5	11.5			
FM	(30°-60°)	9119.5	52.9			
FH	(60°-80°)	4771.8	27.7			G2/5000
FVH	(80°-90°)	78.7	0.5			G1/100
BL	(0°-30°)	293.4	1.7	B1/500		
BM	(30°-60°)	679.1	3.9	B1/1000		
BH	(60°-80°)	293.4	1.7	B1/500		G1/500
BVH	(80°-90°)	1.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5	*1986.5*	1986.5
2.5°	2750.3	2767.4	2742.8	2695.8	2625.2	2579.2	2466.8	2360.9	2243.3	*2205.8*	2088.2
5°	3352.6	3367.6	3339.8	3288.4	3194.3	3104.4	2956.8	2735.4	2505.4	*2431.5*	2222.9
7.5°	3798.7	3807.2	3796.5	3749.5	3659.6	3558.0	3393.2	3131.2	2789.9	*2708.6*	2388.8
10°	4119.6	4147.4	4144.2	4126.0	4066.1	3983.8	3808.3	3509.9	3108.7	*3003.9*	2576.0
12.5°	4332.5	4363.5	4381.7	4422.3	4419.1	4366.7	4212.7	3897.1	3426.4	*3303.4*	2786.7
15°	4394.5	4427.7	4497.2	4591.4	4674.8	4701.6	4593.5	4276.9	3776.2	*3619.0*	3002.8
17.5°	4359.2	4410.6	4494.0	4642.7	4825.6	4946.5	4934.8	4643.8	4093.9	*3914.2*	3214.6
20°	4437.3	4486.5	4551.8	4676.9	4889.8	5109.1	5196.8	4994.7	4409.5	*4221.2*	3437.1
22.5°	4869.5	4860.9	4867.4	4887.7	5015.0	5232.1	5412.9	5313.4	4721.9	*4529.3*	3672.5
25°	5554.1	5515.6	5450.4	5340.2	5308.1	5412.9	5601.2	5595.9	5051.4	*4844.9*	3913.1
27.5°	6339.3	6332.9	6179.9	5914.6	5764.9	5724.2	5814.1	5870.8	5377.6	*5157.3*	4154.9
30°	7091.4	7108.5	6902.0	6606.8	6331.9	6172.5	6091.2	6131.8	5709.3	*5494.2*	4404.2
32.5°	7746.1	7764.2	7539.6	7194.1	6853.9	6661.3	6490.2	6389.6	6070.8	*5836.6*	4678.0
35°	8299.1	8317.3	8059.5	7677.6	7315.0	7140.6	6947.0	6672.0	6434.5	*6216.3*	4982.9
37.5°	8793.3	8788.0	8442.5	8057.4	7701.1	7563.1	7461.5	7019.7	6809.0	*6598.2*	5320.9
40°	9085.4	9107.9	8812.6	8387.9	8042.4	7941.8	7935.4	7450.8	7241.1	*7036.8*	5691.1
42.5°	9171.0	9210.6	8996.6	8647.9	8334.4	8225.3	8393.3	7917.2	7743.9	*7544.9*	6109.3
45°	9016.9	9055.4	8958.1	8716.3	8533.4	8462.8	8786.9	8400.7	8280.9	*8084.1*	6581.1
47.5°	8567.6	8615.8	8639.3	8588.0	8585.8	8657.5	9139.9	8910.0	8918.5	*8717.4*	7127.7
50°	7697.9	7779.2	7995.3	8177.2	8458.5	8811.5	9483.3	9461.9	9637.4	*9464.1*	7840.2
52.5°	6116.8	6232.4	6976.9	7474.3	8106.6	8782.7	9861.0	10347.7	10898.6	*10645.1*	8844.7
55°	4915.5	4915.5	5521.0	6451.7	7419.8	8592.2	10025.7	10923.2	11757.6	*11697.7*	9551.8
57.5°	4007.3	4055.4	4441.6	5264.2	6426.0	8138.7	10127.3	11284.8	12449.8	*12405.9*	10242.9
60°	2473.3	2577.0	3306.6	4118.5	5295.3	7331.0	10063.1	11650.7	13289.5	*13324.8*	11075.1
62.5°	1392.8	1431.3	1756.5	2963.2	4117.5	6245.2	9572.1	11855.0	14363.5	*14513.3*	11933.1
65°	961.7	981.0	1106.1	1844.2	2854.1	4972.2	8612.6	11727.7	15439.7	*15742.4*	12660.5
67.5°	*698.5*	*708.2*	*786.3*	*1126.4*	*1693.4*	*3605.1*	*7108.5*	*11085.8*	*16009.9*	*16515.9*	*12799.6*
70°	537.0	543.4	600.1	740.3	1000.2	2225.1	5162.6	9809.6	15597.0	*16201.4*	12087.1
72.5°	436.5	442.9	486.7	547.7	663.2	1315.8	3129.0	7966.4	13774.1	*14426.7*	10289.9
75°	368.0	376.6	416.1	455.7	519.9	845.1	1467.7	5547.7	10358.4	*10786.3*	7155.6
77.5°	204.3	188.3	338.0	377.6	438.6	534.9	686.8	3264.9	5801.3	*5920.0*	3175.0
80°	127.3	131.6	268.5	303.8	337.0	269.6	314.5	1257.0	2011.1	*1910.6*	615.1
82.5°	7.5	17.1	206.5	219.3	231.1	115.5	118.7	426.8	484.6	*445.0*	109.1
85°	0.0	0.0	94.1	76.0	80.2	33.2	34.2	99.5	65.3	*70.6*	21.4
87.5°	0.0	0.0	0.0	2.1	0.0	3.2	6.4	8.6	3.2	*4.3*	7.5
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°	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5	1986.5
2.5°	2013.3	1938.4	1786.5	1637.8	1516.9	1404.6	1324.4	1248.4	1209.9	1207.7	1205.6
5°	2074.2	1917.0	1613.2	1344.7	1128.6	955.3	843.0	762.7	722.1	708.2	706.0
7.5°	2159.8	1923.4	1461.3	1087.9	833.3	684.6	620.5	594.8	586.2	576.6	574.5
10°	2267.9	1938.4	1325.4	876.1	656.8	581.9	556.3	545.6	539.2	532.7	530.6
12.5°	2388.8	1952.3	1190.6	727.4	577.7	539.2	521.0	508.1	499.6	492.1	489.9
15°	2506.4	1960.9	1050.5	623.7	537.0	506.0	486.7	472.8	461.1	452.5	451.4
17.5°	2623.0	1972.6	918.9	561.6	503.9	472.8	453.6	436.5	426.8	417.2	416.1
20°	2752.5	1970.5	794.8	517.8	470.7	439.7	419.3	403.3	393.7	383.0	381.9
22.5°	2872.3	1959.8	685.7	480.3	436.5	406.5	384.0	368.0	358.4	349.8	348.7
25°	3010.3	1951.2	594.8	446.1	404.4	374.4	349.8	334.8	324.1	316.6	315.6
27.5°	3142.9	1938.4	528.5	415.1	373.3	344.5	320.9	303.8	294.2	288.8	288.8
30°	3273.4	1935.2	503.9	385.1	345.5	316.6	293.1	277.1	269.6	267.4	266.4
32.5°	3430.7	1943.7	514.5	374.4	319.9	291.0	268.5	256.7	249.3	249.3	249.3
35°	3598.6	1941.6	530.6	384.0	302.7	265.3	248.2	240.7	233.2	233.2	233.2
37.5°	3809.4	1944.8	543.4	400.1	296.3	243.9	234.3	224.6	220.4	220.4	220.4
40°	4123.9	2050.7	537.0	414.0	294.2	228.9	209.7	206.5	203.3	203.3	203.3
42.5°	4509.0	2280.7	545.6	415.1	293.1	218.2	192.6	199.0	191.5	190.4	189.3
45°	4930.5	2532.1	600.1	392.6	292.0	212.9	184.0	191.5	179.7	179.7	179.7
47.5°	5348.8	2781.4	655.8	360.5	288.8	211.8	176.5	172.2	169.0	170.1	170.1
50°	5925.3	2984.6	677.2	316.6	281.3	209.7	162.6	163.7	161.5	163.7	163.7
52.5°	6553.3	3027.4	651.5	267.4	259.9	203.3	153.0	157.3	156.2	158.3	158.3
55°	6944.8	2981.4	538.1	222.5	226.8	177.6	143.3	151.9	151.9	151.9	151.9
57.5°	7349.2	2785.6	381.9	180.8	188.3	145.5	134.8	146.6	145.5	144.4	144.4
60°	7640.2	2469.0	251.4	148.7	149.8	119.8	125.2	138.0	136.9	131.6	131.6
62.5°	7857.3	2119.2	161.5	126.2	114.5	108.0	114.5	125.2	120.9	109.1	107.0
65°	7832.7	1634.6	124.1	108.0	94.1	94.1	99.5	109.1	96.3	77.0	74.9
67.5°	*7375.9*	*1106.1*	*102.7*	*90.9*	*79.2*	*78.1*	*82.4*	*90.9*	*82.4*	*65.3*	*63.1*
70°	6559.7	723.2	82.4	70.6	63.1	57.8	66.3	78.1	69.5	52.4	50.3
72.5°	5324.1	440.7	62.0	51.3	46.0	37.4	52.4	64.2	55.6	38.5	36.4
75°	3444.6	224.6	42.8	33.2	24.6	22.5	38.5	48.1	38.5	23.5	20.3
77.5°	1317.9	94.1	23.5	15.0	12.8	10.7	21.4	28.9	16.0	5.3	4.3
80°	253.5	39.6	11.8	7.5	6.4	4.3	3.2	2.1	0.0	0.0	0.0
82.5°	43.9	12.8	4.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	15.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.3	0.0	0.0	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

(END OF REPORT)