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: P1200795

Luminaire Tested: GPC-SB2D-827-U-T2R-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1200795
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB2D-827-U-T2R-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 2700K, 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:	14980 lumens
Efficiency:	N/A
Efficacy:	101.5 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

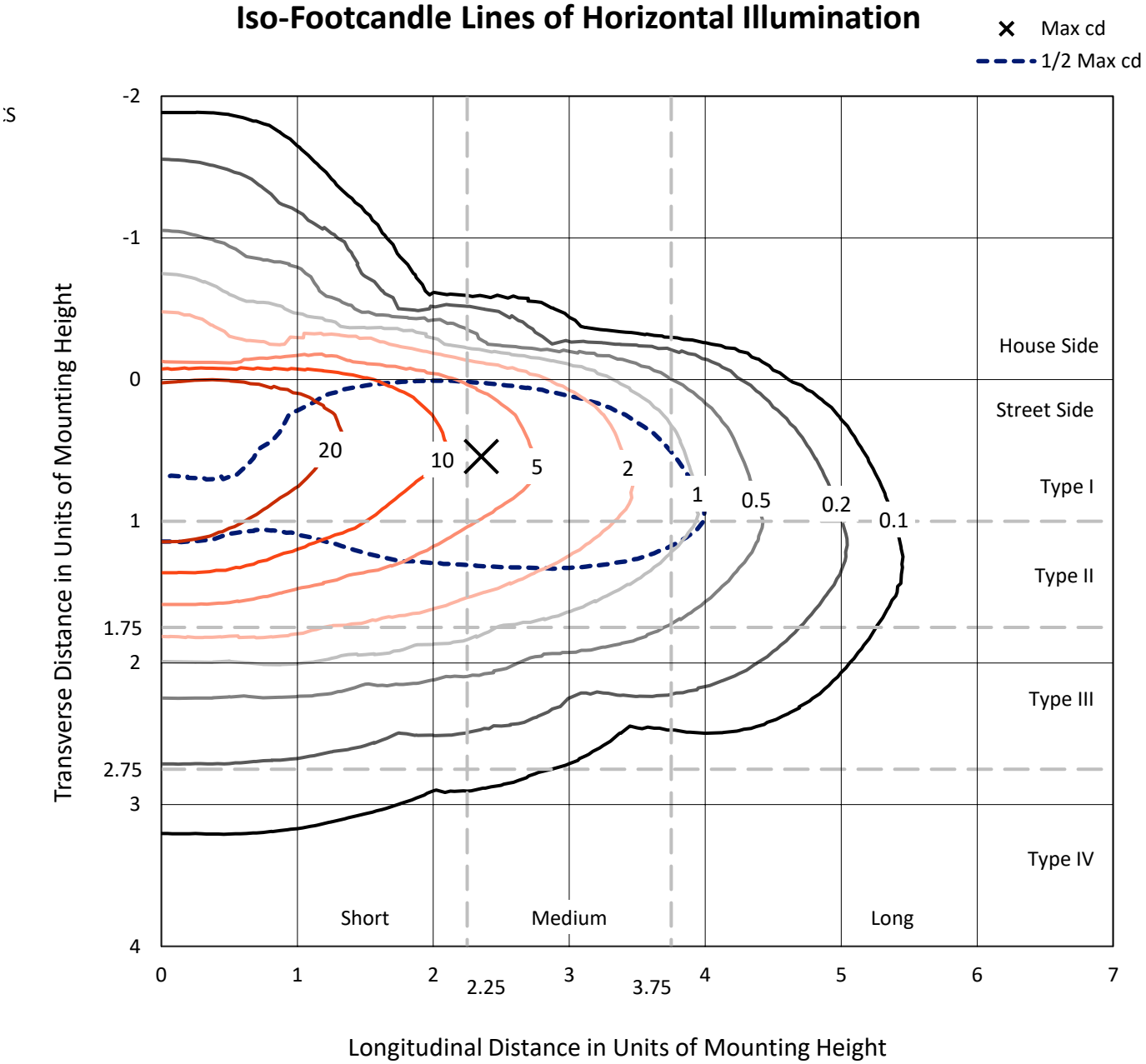


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Iso-Footcandle Lines of Horizontal Illumination



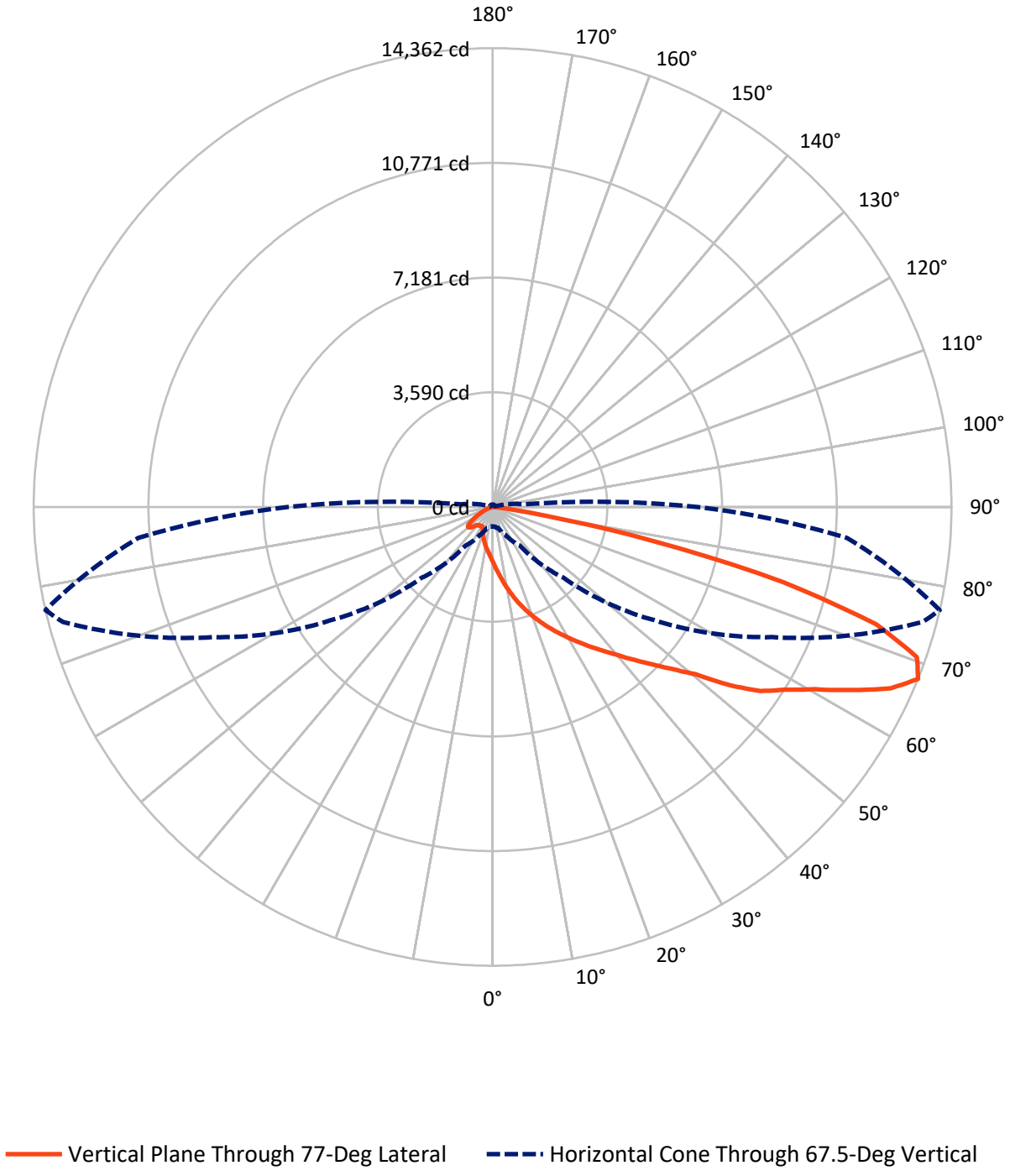
Based on 10 foot mounting height. Maximum calculated value = 40.4 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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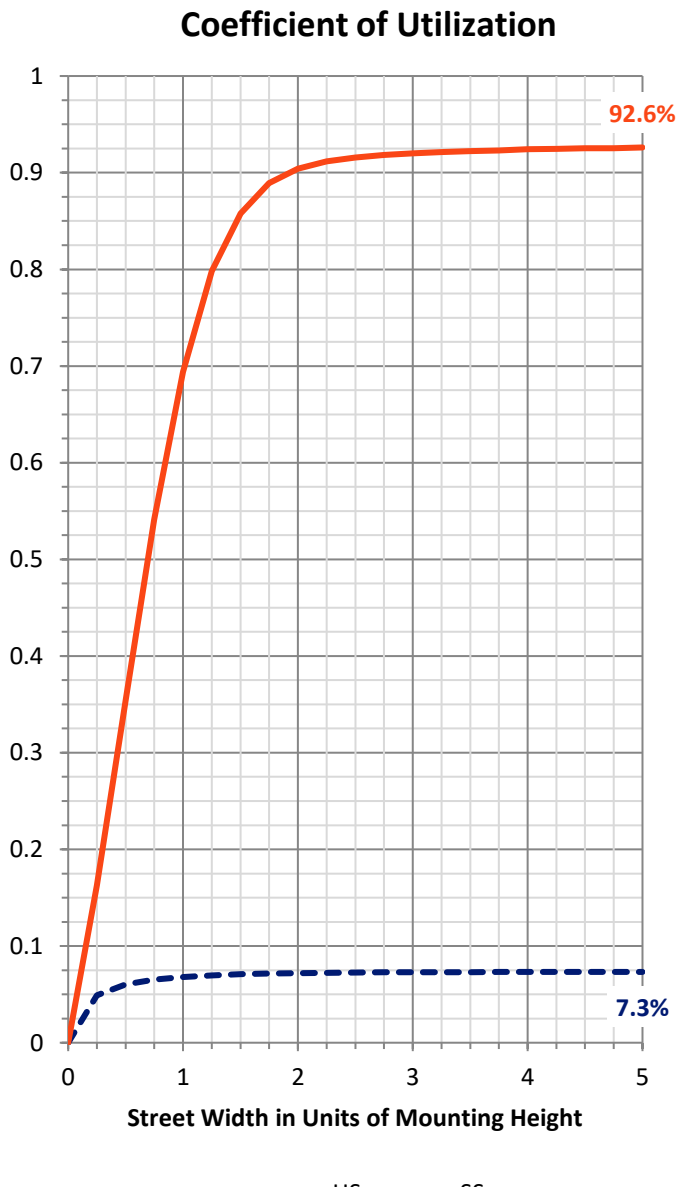
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1102.1	0.0	1102.1
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	13877.9	0.0	13877.9
	% Fixture	92.6	0.0	92.6
Total	Lumens	14980.0	0.0	14980.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.3	1.2
10°-20°	617.4	4.1
20°-30°	1191.5	8.0
30°-40°	2068.4	13.8
40°-50°	3003.2	20.0
50°-60°	3448.8	23.0
60°-70°	2994.2	20.0
70°-80°	1410.3	9.4
80°-90°	69.7	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°	14980.0	100.0
0°-180°	14980.0	100.0



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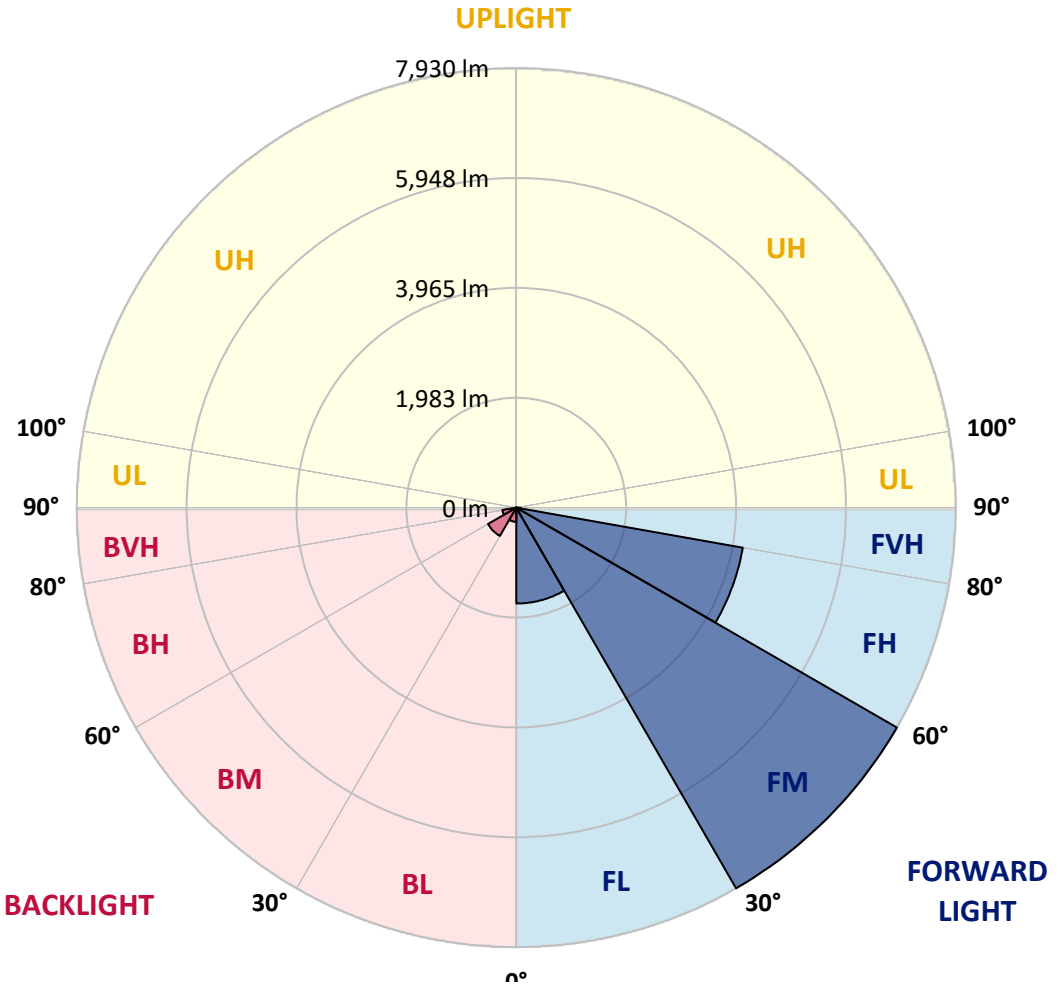
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1730.0	11.5			
FM	(30°-60°)	7930.0	52.9			
FH	(60°-80°)	4149.4	27.7			G2/5000
FVH	(80°-90°)	68.5	0.5			G1/100
BL	(0°-30°)	255.1	1.7	B1/500		
BM	(30°-60°)	590.5	3.9	B1/1000		
BH	(60°-80°)	255.1	1.7	B1/500		G1/500
BVH	(80°-90°)	1.3	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°	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	*1727.4*	1727.4
2.5°	2391.6	2406.5	2385.1	2344.1	2282.8	2242.8	2145.1	2053.0	1950.7	*1918.1*	1815.8
5°	2915.3	2928.3	2904.1	2859.5	2777.6	2699.5	2571.1	2378.6	2178.6	*2114.4*	1933.0
7.5°	3303.2	3310.6	3301.3	3260.4	3182.3	3093.9	2950.7	2722.7	2426.0	*2355.3*	2077.2
10°	3582.3	3606.5	3603.7	3587.8	3535.8	3464.1	3311.6	3052.0	2703.2	*2612.1*	2240.0
12.5°	3767.4	3794.4	3810.2	3845.5	3842.7	3797.1	3663.2	3388.8	2979.5	*2872.5*	2423.2
15°	3821.3	3850.2	3910.6	3992.5	4065.1	4088.3	3994.4	3719.0	3283.7	*3146.9*	2611.1
17.5°	3790.6	3835.3	3907.8	4037.1	4196.2	4301.3	4291.1	4038.1	3559.9	*3403.7*	2795.3
20°	3858.5	3901.3	3958.1	4066.9	4252.0	4442.7	4519.0	4343.2	3834.4	*3670.6*	2988.8
22.5°	4234.4	4226.9	4232.5	4250.2	4360.9	4549.7	4706.9	4620.4	4106.0	*3938.5*	3193.4
25°	4829.7	4796.2	4739.5	4643.6	4615.7	4706.9	4870.6	4866.0	4392.5	*4213.0*	3402.7
27.5°	5512.5	5506.9	5373.9	5143.2	5012.9	4977.6	5055.7	5105.0	4676.2	*4484.6*	3613.0
30°	6166.4	6181.3	6001.8	5745.0	5506.0	5367.4	5296.7	5332.0	4964.6	*4777.6*	3829.7
32.5°	6735.7	6751.5	6556.2	6255.7	5959.9	5792.5	5643.6	5556.2	5279.0	*5075.3*	4067.8
35°	7216.6	7232.4	7008.3	6676.2	6360.8	6209.2	6040.8	5801.8	5595.3	*5405.5*	4333.0
37.5°	7646.4	7641.7	7341.3	7006.4	6696.6	6576.6	6488.3	6104.1	5920.8	*5737.6*	4626.9
40°	7900.3	7919.9	7663.1	7293.8	6993.4	6905.9	6900.4	6479.0	6296.6	*6119.0*	4948.8
42.5°	7974.8	8009.2	7823.1	7519.9	7247.3	7152.4	7298.5	6884.5	6733.8	*6560.8*	5312.5
45°	7840.8	7874.3	7789.6	7579.4	7420.3	7359.0	7640.8	7305.0	7200.8	*7029.7*	5722.7
47.5°	7450.1	7492.0	7512.4	7467.8	7465.9	7528.3	7947.8	7747.8	7755.2	*7580.3*	6198.0
50°	6693.8	6764.5	6952.4	7110.6	7355.2	7662.2	8246.4	8227.8	8380.3	*8229.6*	6817.6
52.5°	5319.0	5419.4	6066.9	6499.4	7049.2	7637.1	8574.7	8998.0	9477.1	*9256.6*	7691.0
55°	4274.4	4274.4	4800.9	5610.1	6452.0	7471.5	8718.0	9498.5	10224.0	*10171.9*	8305.9
57.5°	3484.6	3526.5	3862.3	4577.6	5587.8	7077.1	8806.4	9812.9	10825.9	*10787.7*	8906.8
60°	2150.7	2240.9	2875.3	3581.3	4604.6	6374.8	8750.6	10131.0	11556.1	*11586.8*	9630.5
62.5°	1211.1	1244.6	1527.4	2576.7	3580.4	5430.6	8323.6	10308.7	12490.0	*12620.3*	10376.6
65°	836.3	853.0	961.8	1603.7	2481.8	4323.7	7489.2	10198.0	13425.8	*13689.1*	11009.1
67.5°	*607.4*	*615.8*	*683.7*	*979.5*	*1472.5*	*3134.8*	*6181.3*	*9639.8*	*13921.6*	*14361.6*	*11130.1*
70°	467.0	472.6	521.9	643.7	869.8	1934.9	4489.2	8530.1	13562.6	*14088.1*	10510.5
72.5°	379.5	385.1	423.2	476.3	576.7	1144.2	2720.9	6927.3	11977.5	*12544.9*	8947.8
75°	320.0	327.4	361.9	396.3	452.1	734.9	1276.3	4824.1	9007.3	*9379.4*	6222.2
77.5°	177.7	163.7	293.9	328.4	381.4	465.1	597.2	2839.0	5044.6	*5147.8*	2760.9
80°	110.7	114.4	233.5	264.2	293.0	234.4	273.5	1093.0	1748.8	*1661.4*	534.9
82.5°	6.5	14.9	179.5	190.7	200.9	100.5	103.3	371.2	421.4	*387.0*	94.9
85°	0.0	0.0	81.9	66.0	69.8	28.8	29.8	86.5	56.7	*61.4*	18.6
87.5°	0.0	0.0	0.0	1.9	0.0	2.8	5.6	7.4	2.8	*3.7*	6.5
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°	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4	1727.4
2.5°	1750.7	1685.6	1553.5	1424.2	1319.0	1221.4	1151.6	1085.6	1052.1	1050.2	1048.4
5°	1803.7	1667.0	1402.8	1169.3	981.4	830.7	733.0	663.2	627.9	615.8	613.9
7.5°	1878.1	1672.5	1270.7	946.0	724.6	595.3	539.5	517.2	509.8	501.4	499.5
10°	1972.1	1685.6	1152.5	761.8	571.2	506.0	483.7	474.4	468.8	463.2	461.4
12.5°	2077.2	1697.6	1035.3	632.5	502.3	468.8	453.0	441.9	434.4	427.9	426.0
15°	2179.5	1705.1	913.5	542.3	467.0	440.0	423.2	411.2	400.9	393.5	392.6
17.5°	2280.9	1715.3	799.1	488.4	438.1	411.2	394.4	379.5	371.2	362.8	361.9
20°	2393.5	1713.5	691.2	450.2	409.3	382.3	364.6	350.7	342.3	333.0	332.1
22.5°	2497.6	1704.2	596.3	417.7	379.5	353.5	333.9	320.0	311.6	304.2	303.3
25°	2617.6	1696.7	517.2	387.9	351.6	325.6	304.2	291.2	281.9	275.3	274.4
27.5°	2733.0	1685.6	459.5	360.9	324.6	299.5	279.1	264.2	255.8	251.2	251.2
30°	2846.5	1682.8	438.1	334.9	300.5	275.3	254.9	240.9	234.4	232.6	231.6
32.5°	2983.2	1690.2	447.4	325.6	278.1	253.0	233.5	223.3	216.7	216.7	216.7
35°	3129.3	1688.3	461.4	333.9	263.3	230.7	215.8	209.3	202.8	202.8	202.8
37.5°	3312.5	1691.1	472.6	347.9	257.7	212.1	203.7	195.3	191.6	191.6	191.6
40°	3586.0	1783.2	467.0	360.0	255.8	199.1	182.3	179.5	176.7	176.7	176.7
42.5°	3920.9	1983.2	474.4	360.9	254.9	189.8	167.4	173.0	166.5	165.6	164.6
45°	4287.4	2201.8	521.9	341.4	253.9	185.1	160.0	166.5	156.3	156.3	156.3
47.5°	4651.1	2418.6	570.2	313.5	251.2	184.2	153.5	149.8	147.0	147.9	147.9
50°	5152.5	2595.3	588.8	275.3	244.6	182.3	141.4	142.3	140.5	142.3	142.3
52.5°	5698.5	2632.5	566.5	232.6	226.0	176.7	133.0	136.7	135.8	137.7	137.7
55°	6039.0	2592.5	467.9	193.5	197.2	154.4	124.6	132.1	132.1	132.1	132.1
57.5°	6390.6	2422.3	332.1	157.2	163.7	126.5	117.2	127.4	126.5	125.6	125.6
60°	6643.6	2146.9	218.6	129.3	130.2	104.2	108.8	120.0	119.1	114.4	114.4
62.5°	6832.4	1842.8	140.5	109.8	99.5	94.0	99.5	108.8	105.1	94.9	93.0
65°	6811.1	1421.4	107.9	94.0	81.9	81.9	86.5	94.9	83.7	67.0	65.1
67.5°	*6413.9*	*961.8*	*89.3*	*79.1*	*68.8*	*67.9*	*71.6*	*79.1*	*71.6*	*56.7*	*54.9*
70°	5704.1	628.8	71.6	61.4	54.9	50.2	57.7	67.9	60.5	45.6	43.7
72.5°	4629.7	383.2	54.0	44.7	40.0	32.6	45.6	55.8	48.4	33.5	31.6
75°	2995.3	195.3	37.2	28.8	21.4	19.5	33.5	41.9	33.5	20.5	17.7
77.5°	1146.0	81.9	20.5	13.0	11.2	9.3	18.6	25.1	14.0	4.7	3.7
80°	220.5	34.4	10.2	6.5	5.6	3.7	2.8	1.9	0.0	0.0	0.0
82.5°	38.1	11.2	3.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.7	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


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(END OF REPORT)