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: P1198891

Luminaire Tested: GPC-SB1D-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:	P1198891
	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-SB1D-827-U-T2R-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7532 lumens
Efficiency:	N/A
Efficacy:	94.6 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	79.6
Input Voltage (V):	120.0
Input Current (Ain):	0.638
Voltage Rise (V):	NR
Power Factor:	0.997
Total Harmonic Distortion (THDi):	6.673
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

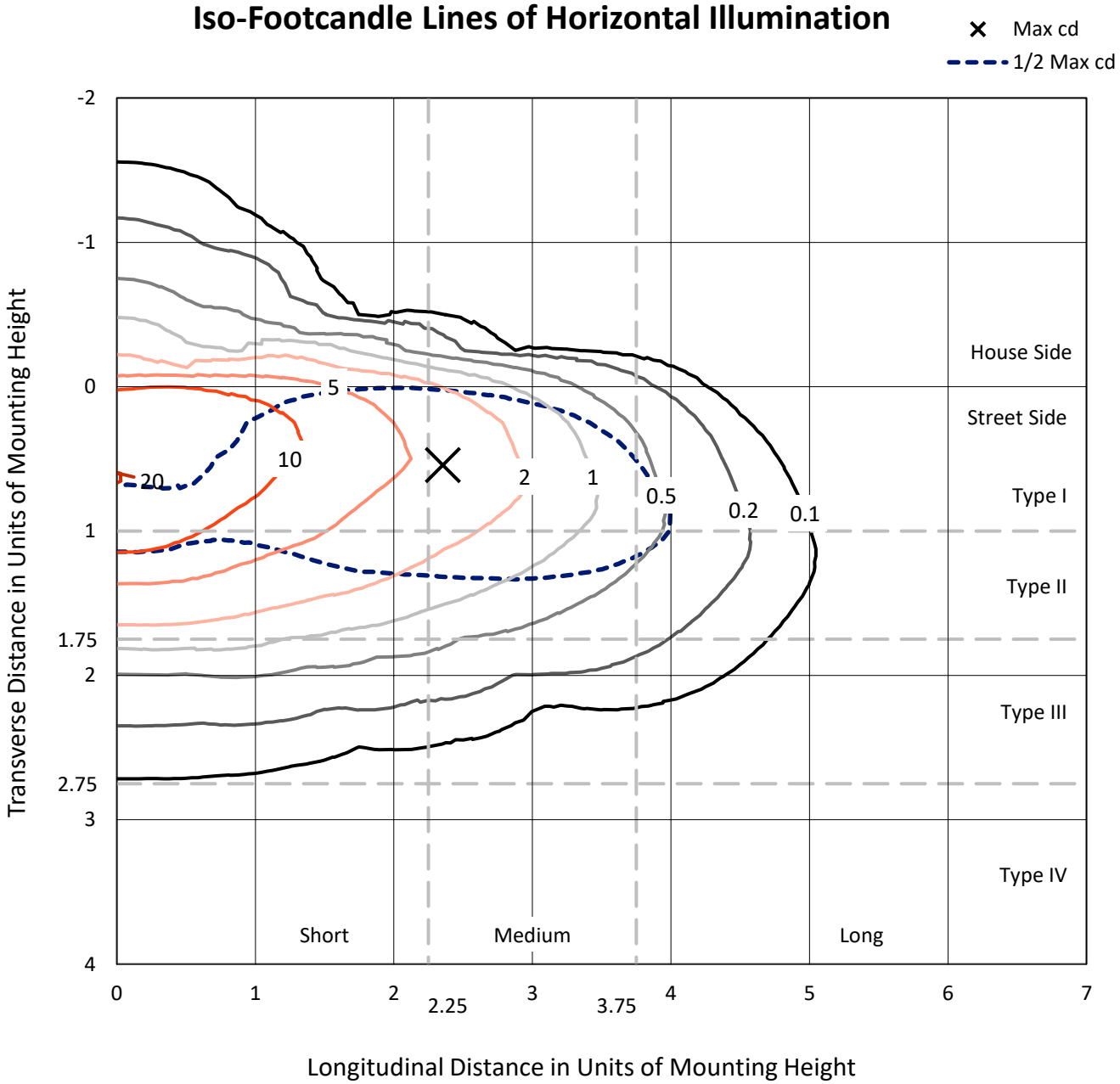


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Iso-Footcandle Lines of Horizontal Illumination



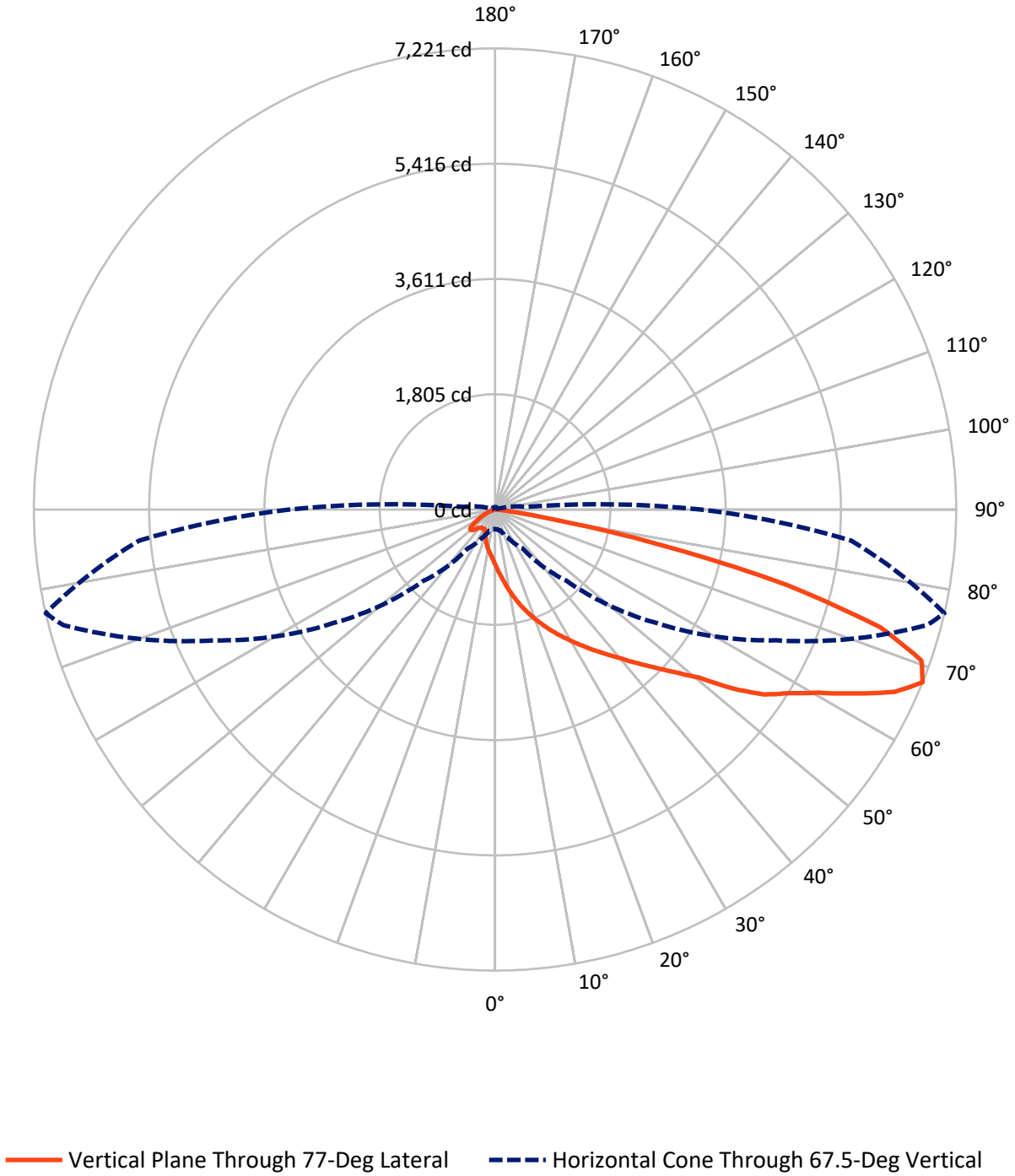
Based on 10 foot mounting height. Maximum calculated value = 20.3 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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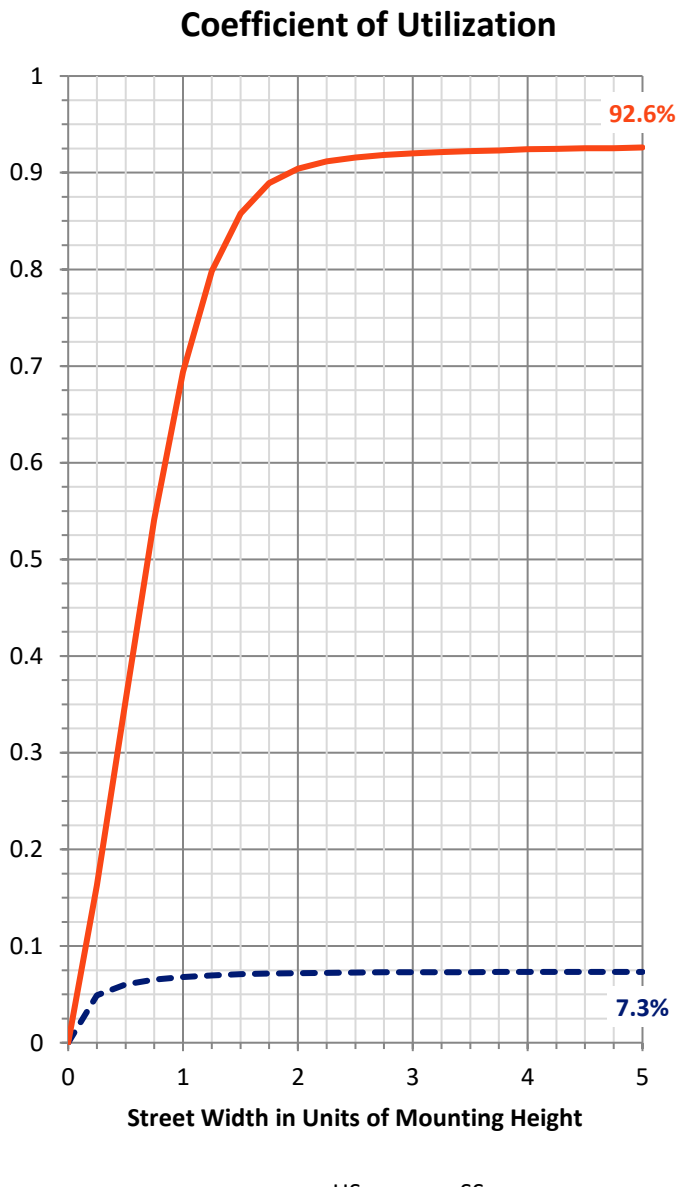
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	554.1	0.0	554.1
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	6977.9	0.0	6977.9
	% Fixture	92.6	0.0	92.6
Total	Lumens	7532.0	0.0	7532.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.6	1.2
10°-20°	310.4	4.1
20°-30°	599.1	8.0
30°-40°	1040.0	13.8
40°-50°	1510.0	20.0
50°-60°	1734.1	23.0
60°-70°	1505.5	20.0
70°-80°	709.1	9.4
80°-90°	35.1	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°	7532.0	100.0
0°-180°	7532.0	100.0



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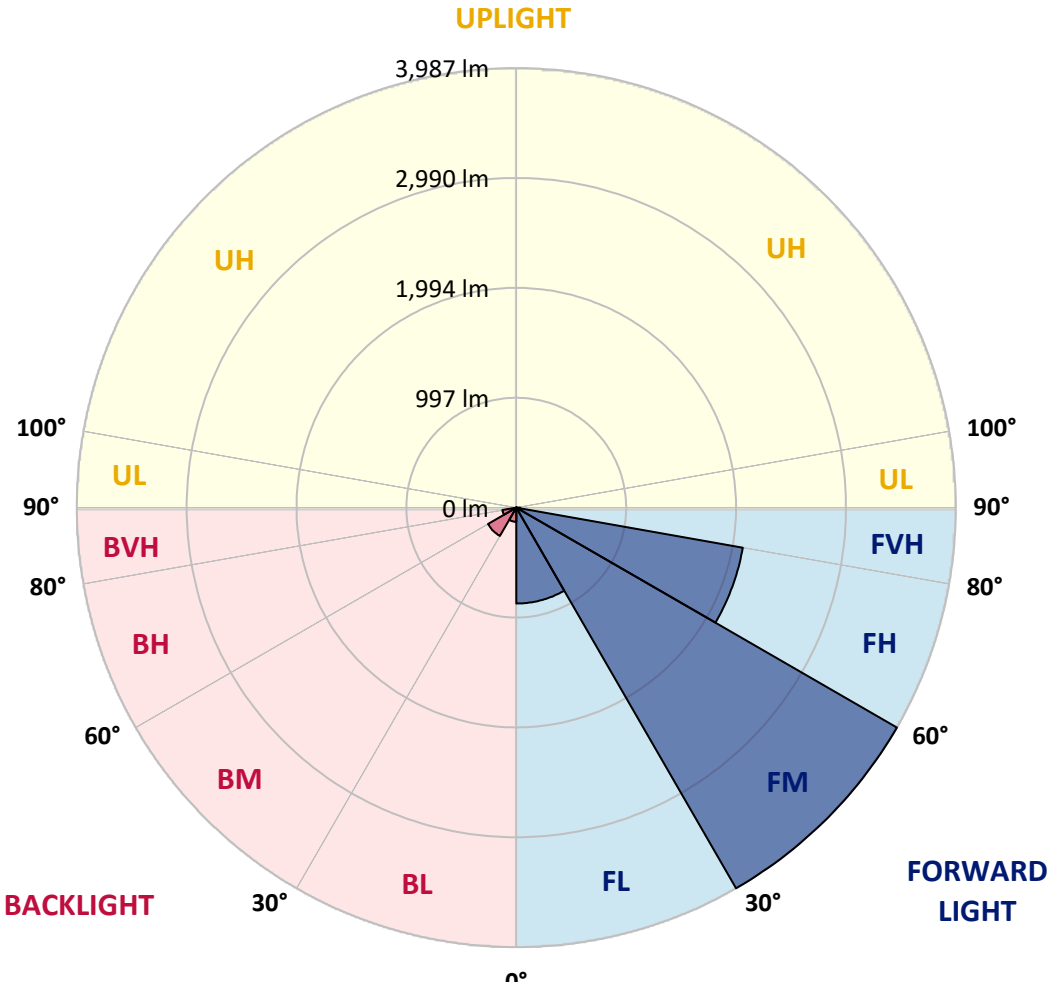
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	869.9	11.5			
FM	(30°-60°)	3987.2	52.9			
FH	(60°-80°)	2086.3	27.7			G2/5000
FVH	(80°-90°)	34.4	0.5			G1/100
BL	(0°-30°)	128.3	1.7	B1/500		
BM	(30°-60°)	296.9	3.9	B1/1000		
BH	(60°-80°)	128.3	1.7	B1/500		G1/500
BVH	(80°-90°)	0.6	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°	868.6	868.6	868.6	868.6	868.6	868.6	868.6	868.6	868.6	*868.6*	868.6
2.5°	1202.5	1210.0	1199.2	1178.6	1147.8	1127.7	1078.6	1032.3	980.8	*964.4*	913.0
5°	1465.8	1472.4	1460.2	1437.8	1396.6	1357.3	1292.8	1196.0	1095.4	*1063.1*	971.9
7.5°	1660.9	1664.6	1659.9	1639.3	1600.1	1555.6	1483.6	1369.0	1219.8	*1184.3*	1044.4
10°	1801.2	1813.3	1811.9	1804.0	1777.8	1741.8	1665.1	1534.6	1359.2	*1313.3*	1126.3
12.5°	1894.3	1907.8	1915.8	1933.5	1932.1	1909.2	1841.9	1703.9	1498.1	*1444.3*	1218.4
15°	1921.4	1935.9	1966.3	2007.4	2043.9	2055.6	2008.4	1869.9	1651.0	*1582.3*	1312.9
17.5°	1905.9	1928.4	1964.9	2029.9	2109.9	2162.7	2157.6	2030.4	1790.0	*1711.4*	1405.5
20°	1940.1	1961.6	1990.1	2044.9	2137.9	2233.8	2272.2	2183.8	1927.9	*1845.6*	1502.8
22.5°	2129.0	2125.3	2128.1	2137.0	2192.7	2287.6	2366.6	2323.1	2064.5	*1980.3*	1605.7
25°	2428.4	2411.5	2383.0	2334.8	2320.8	2366.6	2449.0	2446.6	2208.6	*2118.3*	1710.9
27.5°	2771.7	2768.9	2702.0	2586.0	2520.5	2502.8	2542.0	2566.8	2351.2	*2254.9*	1816.6
30°	3100.5	3108.0	3017.7	2888.6	2768.4	2698.7	2663.2	2681.0	2496.2	*2402.2*	1925.6
32.5°	3386.7	3394.7	3296.5	3145.4	2996.7	2912.5	2837.6	2793.7	2654.3	*2551.9*	2045.3
35°	3628.5	3636.5	3523.8	3356.8	3198.2	3122.0	3037.4	2917.2	2813.3	*2717.9*	2178.6
37.5°	3844.6	3842.3	3691.2	3522.8	3367.1	3306.8	3262.3	3069.2	2977.0	*2884.9*	2326.4
40°	3972.3	3982.1	3853.1	3667.4	3516.3	3472.3	3469.5	3257.6	3166.0	*3076.6*	2488.3
42.5°	4009.7	4027.0	3933.5	3781.0	3644.0	3596.3	3669.7	3461.6	3385.8	*3298.8*	2671.1
45°	3942.4	3959.2	3916.7	3811.0	3731.0	3700.1	3841.8	3673.0	3620.6	*3534.5*	2877.4
47.5°	3745.9	3767.0	3777.3	3754.8	3753.9	3785.2	3996.2	3895.6	3899.4	*3811.4*	3116.4
50°	3365.7	3401.2	3495.7	3575.2	3698.2	3852.6	4146.3	4137.0	4213.7	*4137.9*	3427.9
52.5°	2674.4	2724.9	3050.4	3267.9	3544.4	3840.0	4311.4	4524.2	4765.1	*4654.3*	3867.1
55°	2149.2	2149.2	2413.9	2820.8	3244.1	3756.7	4383.4	4775.9	5140.7	*5114.5*	4176.2
57.5°	1752.1	1773.1	1942.0	2301.6	2809.6	3558.4	4427.9	4933.9	5443.3	*5424.1*	4478.4
60°	1081.4	1126.7	1445.7	1800.7	2315.2	3205.3	4399.8	5093.9	5810.4	*5825.9*	4842.3
62.5°	609.0	625.8	768.0	1295.6	1800.2	2730.5	4185.1	5183.2	6280.0	*6345.5*	5217.4
65°	420.5	428.9	483.6	806.3	1247.9	2173.9	3765.6	5127.6	6750.6	*6882.9*	5535.4
67.5°	*305.4*	*309.6*	*343.8*	*492.5*	*740.4*	*1576.2*	*3108.0*	*4847.0*	*6999.9*	*7221.1*	*5596.2*
70°	234.8	237.6	262.4	323.7	437.3	972.9	2257.2	4289.0	6819.3	*7083.6*	5284.7
72.5°	190.8	193.6	212.8	239.5	290.0	575.3	1368.1	3483.1	6022.3	*6307.6*	4499.0
75°	160.9	164.6	181.9	199.2	227.3	369.5	641.7	2425.6	4528.9	*4716.0*	3128.6
77.5°	89.3	82.3	147.8	165.1	191.8	233.9	300.3	1427.5	2536.4	*2588.3*	1388.2
80°	55.7	57.5	117.4	132.8	147.3	117.9	137.5	549.6	879.3	*835.3*	268.9
82.5°	3.3	7.5	90.3	95.9	101.0	50.5	51.9	186.6	211.9	*194.6*	47.7
85°	0.0	0.0	41.2	33.2	35.1	14.5	15.0	43.5	28.5	*30.9*	9.4
87.5°	0.0	0.0	0.0	0.9	0.0	1.4	2.8	3.7	1.4	*1.9*	3.3
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°	868.6	868.6	868.6	868.6	868.6	868.6	868.6	868.6	868.6	868.6	868.6
2.5°	880.2	847.5	781.1	716.1	663.2	614.1	579.0	545.8	529.0	528.1	527.1
5°	906.9	838.1	705.3	587.9	493.4	417.7	368.6	333.5	315.7	309.6	308.7
7.5°	944.3	841.0	638.9	475.7	364.4	299.3	271.3	260.1	256.3	252.1	251.2
10°	991.6	847.5	579.5	383.1	287.2	254.4	243.2	238.5	235.7	232.9	232.0
12.5°	1044.4	853.6	520.6	318.0	252.6	235.7	227.8	222.2	218.4	215.1	214.2
15°	1095.9	857.3	459.3	272.7	234.8	221.2	212.8	206.7	201.6	197.8	197.4
17.5°	1146.8	862.5	401.8	245.6	220.3	206.7	198.3	190.8	186.6	182.4	181.9
20°	1203.4	861.5	347.5	226.4	205.8	192.2	183.3	176.3	172.1	167.4	167.0
22.5°	1255.8	856.9	299.8	210.0	190.8	177.7	167.9	160.9	156.7	152.9	152.5
25°	1316.2	853.1	260.1	195.0	176.8	163.7	152.9	146.4	141.7	138.4	138.0
27.5°	1374.2	847.5	231.1	181.5	163.2	150.6	140.3	132.8	128.6	126.3	126.3
30°	1431.2	846.1	220.3	168.4	151.1	138.4	128.2	121.1	117.9	116.9	116.5
32.5°	1500.0	849.8	225.0	163.7	139.8	127.2	117.4	112.3	109.0	109.0	109.0
35°	1573.4	848.9	232.0	167.9	132.4	116.0	108.5	105.2	102.0	102.0	102.0
37.5°	1665.5	850.3	237.6	174.9	129.6	106.6	102.4	98.2	96.3	96.3	96.3
40°	1803.0	896.6	234.8	181.0	128.6	100.1	91.7	90.3	88.9	88.9	88.9
42.5°	1971.4	997.2	238.5	181.5	128.2	95.4	84.2	87.0	83.7	83.3	82.8
45°	2155.7	1107.1	262.4	171.7	127.7	93.1	80.4	83.7	78.6	78.6	78.6
47.5°	2338.6	1216.1	286.7	157.6	126.3	92.6	77.2	75.3	73.9	74.4	74.4
50°	2590.7	1304.9	296.1	138.4	123.0	91.7	71.1	71.6	70.6	71.6	71.6
52.5°	2865.2	1323.6	284.8	116.9	113.7	88.9	66.9	68.8	68.3	69.2	69.2
55°	3036.4	1303.5	235.3	97.3	99.2	77.6	62.7	66.4	66.4	66.4	66.4
57.5°	3213.2	1217.9	167.0	79.0	82.3	63.6	58.9	64.1	63.6	63.1	63.1
60°	3340.4	1079.5	109.9	65.0	65.5	52.4	54.7	60.3	59.9	57.5	57.5
62.5°	3435.4	926.5	70.6	55.2	50.0	47.2	50.0	54.7	52.9	47.7	46.8
65°	3424.6	714.7	54.3	47.2	41.2	41.2	43.5	47.7	42.1	33.7	32.7
67.5°	*3224.9*	*483.6*	*44.9*	*39.8*	*34.6*	*34.1*	*36.0*	*39.8*	*36.0*	*28.5*	*27.6*
70°	2868.0	316.2	36.0	30.9	27.6	25.3	29.0	34.1	30.4	22.9	22.0
72.5°	2327.8	192.7	27.1	22.5	20.1	16.4	22.9	28.1	24.3	16.8	15.9
75°	1506.0	98.2	18.7	14.5	10.8	9.8	16.8	21.0	16.8	10.3	8.9
77.5°	576.2	41.2	10.3	6.5	5.6	4.7	9.4	12.6	7.0	2.3	1.9
80°	110.8	17.3	5.1	3.3	2.8	1.9	1.4	0.9	0.0	0.0	0.0
82.5°	19.2	5.6	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	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


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(END OF REPORT)