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

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: P1199368

Luminaire Tested: GPC-SB2A-827-U-T2R

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1199368
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB2A-827-U-T2R
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II ROADWAY OPTIC
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7943 lumens
Efficiency:	N/A
Efficacy:	138.6 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):	57.3
Input Voltage (V):	120.0
Input Current (Ain):	0.484
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.038
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

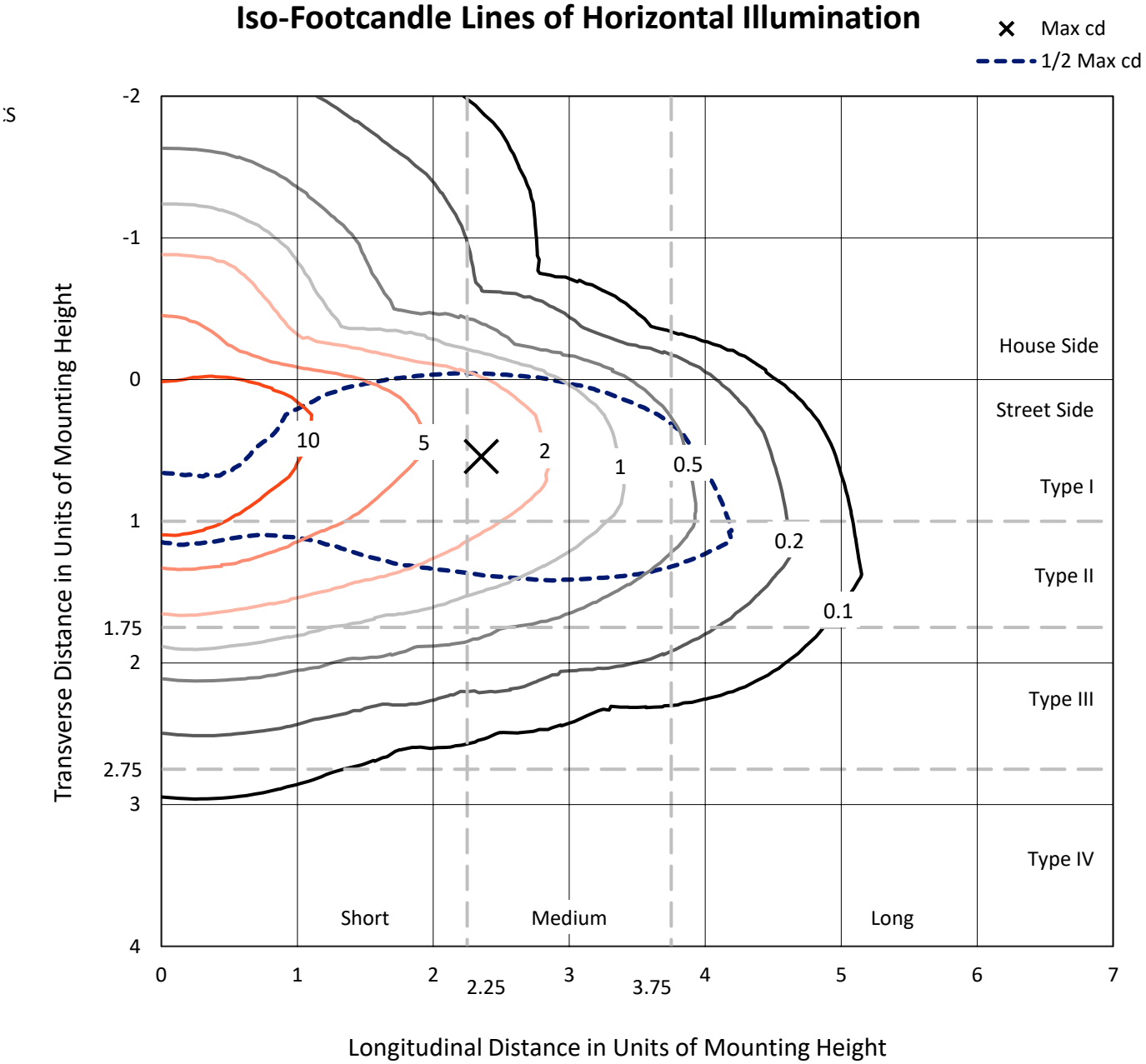


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Iso-Footcandle Lines of Horizontal Illumination



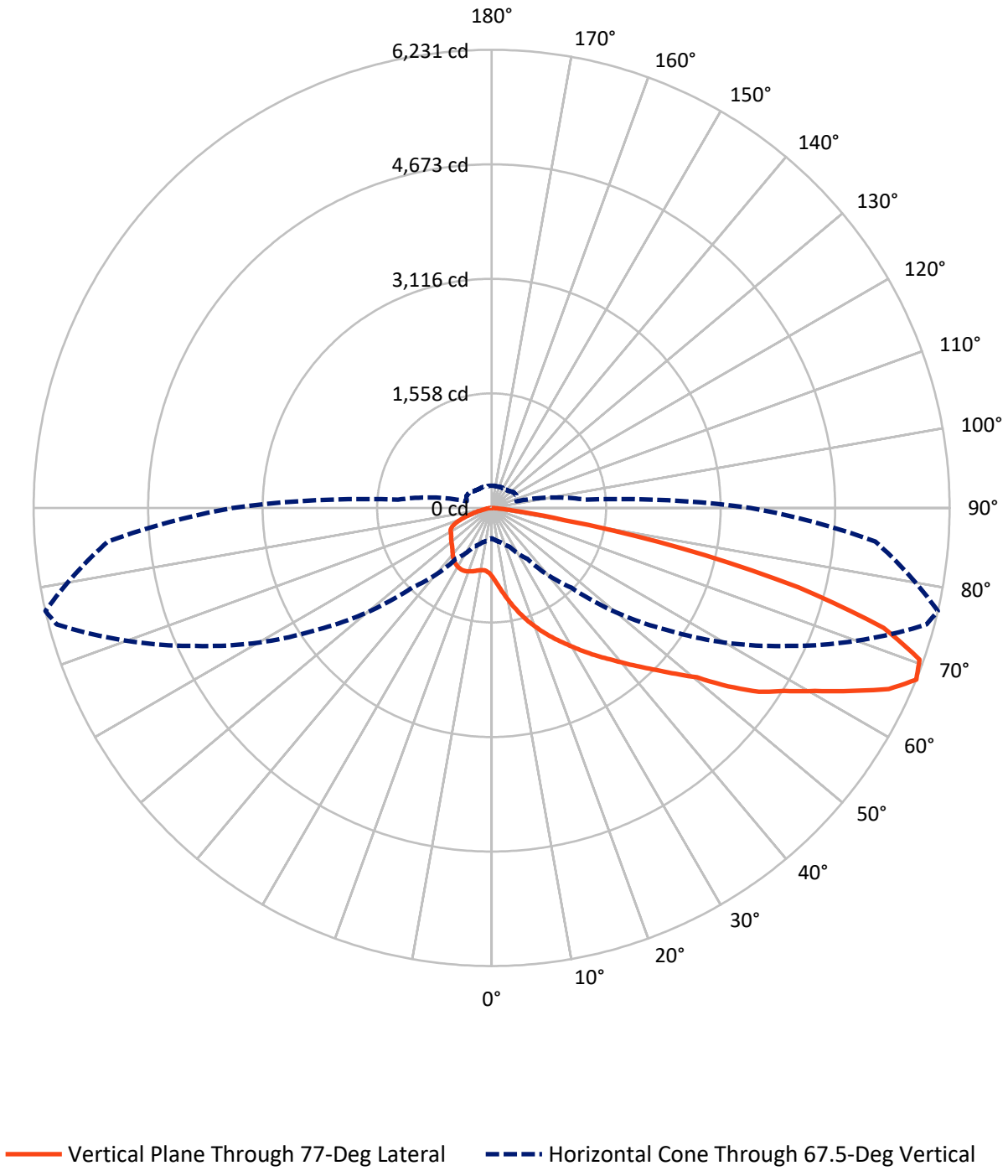
Based on 10 foot mounting height. Maximum calculated value = 18.2 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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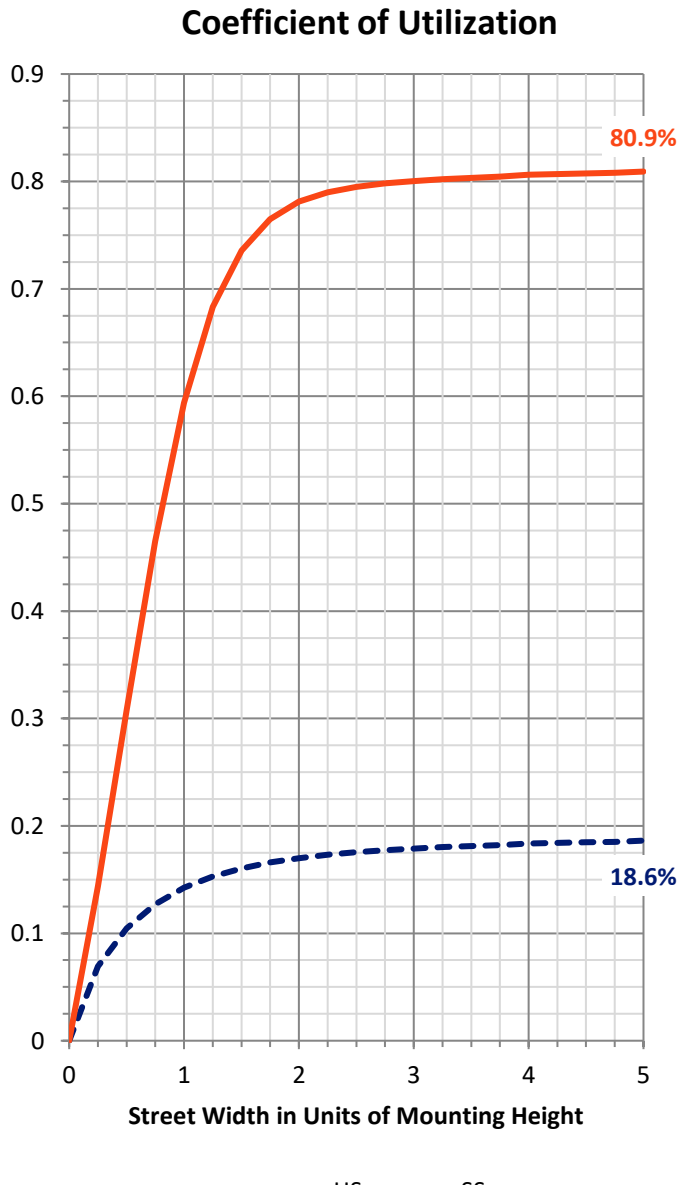
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1502.5	0.0	1502.5
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	6440.5	0.0	6440.5
	% Fixture	81.1	0.0	81.1
Total	Lumens	7943.0	0.0	7943.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.9	1.3
10°-20°	358.9	4.5
20°-30°	677.6	8.5
30°-40°	1091.6	13.7
40°-50°	1493.1	18.8
50°-60°	1684.2	21.2
60°-70°	1572.0	19.8
70°-80°	861.7	10.8
80°-90°	103.9	1.3
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°	7943.0	100.0
0°-180°	7943.0	100.0



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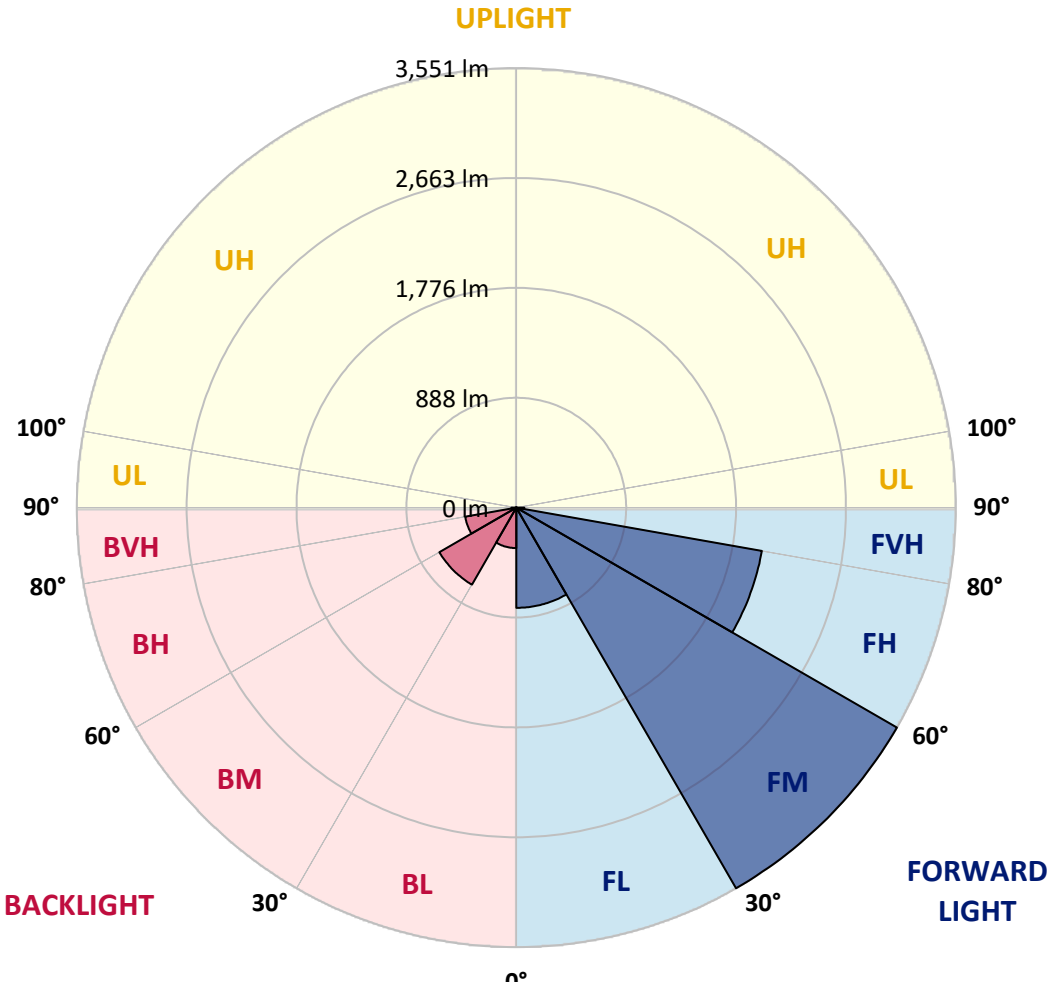
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	809.7	10.2			
FM	(30°-60°)	3551.2	44.7			
FH	(60°-80°)	2014.6	25.4			G2/5000
FVH	(80°-90°)	65.0	0.8			G1/100
BL	(0°-30°)	326.7	4.1	B1/500		
BM	(30°-60°)	717.7	9.0	B1/1000		
BH	(60°-80°)	419.2	5.3	B1/500		G1/500
BVH	(80°-90°)	38.9	0.5			G1/100
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°	932.0	932.0	932.0	932.0	932.0	932.0	932.0	932.0	932.0	*932.0*	932.0
2.5°	1166.9	1175.1	1164.8	1164.8	1130.4	1112.4	1077.9	1051.7	1004.5	*996.3*	965.2
5°	1379.3	1389.5	1375.2	1369.0	1328.4	1291.1	1233.3	1176.3	1092.3	*1083.7*	1010.3
7.5°	1543.7	1556.8	1544.1	1537.6	1501.5	1459.6	1392.0	1312.5	1194.0	*1177.1*	1071.0
10°	1677.8	1679.8	1675.7	1678.2	1649.9	1615.5	1546.2	1453.5	1305.5	*1282.5*	1144.3
12.5°	1753.6	1763.1	1771.3	1786.0	1781.1	1759.8	1697.5	1586.8	1423.6	*1394.0*	1224.3
15°	1789.3	1805.7	1824.2	1858.2	1885.7	1891.0	1843.4	1729.8	1543.7	*1508.0*	1305.1
17.5°	1802.0	1817.6	1846.7	1895.9	1954.9	1994.7	1973.4	1868.8	1662.6	*1621.6*	1389.9
20°	1866.4	1870.9	1888.5	1935.3	1999.2	2065.2	2081.2	2002.5	1780.3	*1733.9*	1477.7
22.5°	2004.1	1995.1	2000.0	2021.4	2067.3	2131.3	2167.7	2120.6	1901.2	*1847.9*	1566.3
25°	2231.7	2205.5	2179.2	2154.6	2178.0	2214.1	2255.5	2238.7	2027.9	*1960.3*	1655.6
27.5°	2519.1	2487.1	2429.3	2348.6	2320.3	2333.0	2351.4	2348.1	2145.2	*2076.7*	1747.9
30°	2802.0	2764.7	2695.8	2579.0	2504.4	2470.7	2456.8	2447.4	2272.7	*2199.7*	1841.0
32.5°	3027.9	2998.4	2930.8	2800.0	2691.7	2634.3	2588.0	2554.4	2406.0	*2333.0*	1939.4
35°	3225.6	3198.1	3120.6	2977.9	2860.3	2799.2	2738.5	2666.7	2544.5	*2470.7*	2045.1
37.5°	3406.0	3378.5	3272.3	3123.9	3005.4	2963.2	2909.0	2787.3	2683.5	*2613.8*	2157.1
40°	3520.0	3513.8	3414.6	3246.5	3123.5	3102.6	3084.5	2927.1	2837.7	*2772.9*	2280.1
42.5°	3549.1	3562.6	3483.9	3345.7	3228.4	3211.6	3253.9	3085.4	3010.7	*2948.8*	2419.5
45°	3479.0	3517.9	3466.3	3372.4	3303.1	3294.0	3403.9	3258.4	3202.2	*3145.6*	2587.6
47.5°	3301.4	3367.4	3346.1	3333.0	3323.2	3362.1	3536.0	3442.1	3419.1	*3369.9*	2779.5
50°	2943.1	3068.1	3105.4	3188.3	3283.4	3415.0	3656.1	3642.6	3672.5	*3622.9*	3013.2
52.5°	2323.5	2495.8	2712.2	2919.7	3161.2	3397.4	3788.1	3930.4	4056.7	*4029.6*	3384.7
55°	1918.0	1995.5	2162.0	2542.5	2924.2	3323.2	3847.6	4162.9	4438.0	*4413.8*	3666.3
57.5°	1606.4	1675.7	1778.2	2096.0	2565.9	3154.6	3884.5	4304.7	4699.2	*4696.7*	3944.3
60°	1272.3	1345.7	1450.6	1675.7	2147.2	2863.5	3876.3	4466.3	5032.5	*5053.0*	4283.4
62.5°	895.1	975.8	1092.3	1302.2	1719.6	2486.3	3709.0	4583.1	5424.9	*5480.7*	4691.4
65°	588.4	641.7	729.4	910.6	1281.3	2001.3	3389.6	4598.3	5844.7	*5939.0*	5074.3
67.5°	*412.5*	*433.0*	*484.6*	*583.0*	*844.6*	*1534.7*	*2880.8*	*4441.3*	*6124.8*	*6231.0*	*5240.4*
70°	321.9	332.1	358.4	397.7	530.6	1032.0	2207.5	4032.9	6064.9	*6175.6*	5066.9
72.5°	278.0	287.8	297.7	302.6	355.9	637.2	1495.3	3372.0	5501.2	*5576.2*	4405.6
75°	252.2	254.6	262.8	261.2	271.4	413.3	863.1	2456.8	4340.4	*4314.6*	3252.2
77.5°	212.0	215.3	228.8	226.7	241.1	282.5	448.1	1585.5	2813.9	*2638.4*	1810.2
80°	179.6	181.2	196.0	193.5	209.5	204.6	228.8	808.1	1193.5	*1011.1*	521.9
82.5°	62.3	77.1	149.7	154.2	159.9	123.8	132.0	329.7	364.5	*279.2*	109.5
85°	30.3	32.4	76.3	108.2	107.8	62.3	64.4	117.7	114.8	*90.2*	36.5
87.5°	4.9	6.2	9.0	42.2	33.6	16.4	22.1	23.0	23.8	*20.5*	8.2
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°	932.0	932.0	932.0	932.0	932.0	932.0	932.0	932.0	932.0	932.0	932.0
2.5°	942.2	921.7	878.7	838.9	807.7	777.8	761.0	746.6	738.4	736.8	736.8
5°	967.6	925.4	847.1	781.1	738.0	706.0	689.2	678.6	673.2	670.0	669.6
7.5°	1004.1	942.2	830.7	755.7	710.6	687.6	679.0	677.3	676.9	677.3	678.6
10°	1054.6	969.7	829.0	749.5	711.8	699.1	698.7	699.1	700.7	701.1	701.5
12.5°	1109.1	998.0	835.6	754.8	727.4	720.4	719.2	718.8	720.0	720.8	721.2
15°	1168.5	1035.3	846.7	766.3	744.6	737.2	736.0	733.5	733.1	732.7	732.3
17.5°	1229.6	1072.2	859.0	778.6	755.7	745.4	740.9	735.2	730.6	729.4	730.6
20°	1291.5	1108.7	867.6	784.8	756.5	742.1	733.1	723.3	715.5	711.0	712.6
22.5°	1357.6	1146.8	872.9	783.1	749.1	729.4	713.0	701.5	689.6	681.9	682.3
25°	1421.9	1180.0	872.5	774.5	734.7	709.7	688.8	674.1	657.7	649.5	649.5
27.5°	1483.8	1209.9	862.3	759.3	714.2	686.4	661.4	643.7	627.7	619.9	619.5
30°	1547.8	1235.0	846.3	737.2	690.1	659.3	631.8	616.7	602.3	594.9	594.5
32.5°	1611.4	1257.9	823.7	709.7	662.2	632.7	605.6	591.6	583.0	583.0	583.4
35°	1678.6	1273.9	793.8	677.8	632.7	604.4	583.0	574.8	574.0	569.1	567.9
37.5°	1749.5	1284.2	757.3	645.0	603.5	576.9	570.3	560.5	552.3	541.6	540.0
40°	1824.2	1294.4	713.4	610.9	572.8	558.0	555.2	542.0	518.7	492.4	488.7
42.5°	1914.8	1301.4	667.9	576.9	540.4	535.5	539.6	517.0	479.7	460.0	460.4
45°	2019.7	1312.9	626.1	543.3	507.2	507.2	524.4	494.9	464.1	451.8	453.9
47.5°	2155.9	1339.5	587.1	506.4	476.4	484.6	490.8	468.2	451.0	435.8	435.4
50°	2352.7	1403.5	547.0	469.1	453.1	469.5	460.9	447.7	427.6	415.3	414.1
52.5°	2597.0	1441.2	511.3	435.4	433.0	449.4	437.1	424.8	409.6	393.2	389.9
55°	2763.5	1448.2	481.4	410.8	419.4	417.8	413.3	402.2	394.0	372.3	372.7
57.5°	2949.6	1462.1	456.8	396.1	410.8	392.8	391.2	381.7	371.1	356.3	351.4
60°	3172.3	1483.8	435.4	390.3	403.5	376.4	368.2	364.5	353.8	346.5	348.5
62.5°	3415.0	1503.5	413.7	391.2	394.8	360.4	348.1	346.9	340.3	337.9	337.9
65°	3580.6	1449.8	386.6	390.3	381.3	344.0	328.4	328.0	322.7	321.9	321.5
67.5°	*3522.8*	*1279.7*	*350.2*	*378.9*	*367.4*	*327.6*	*310.4*	*308.7*	*301.8*	*302.2*	*302.2*
70°	3233.4	1036.9	299.7	350.6	350.2	312.8	291.5	286.2	276.8	278.4	280.0
72.5°	2690.5	768.4	232.1	303.4	322.7	299.3	269.8	261.2	249.3	250.9	250.5
75°	1943.1	522.4	168.9	230.8	280.9	283.3	248.5	233.7	219.4	221.8	222.6
77.5°	994.3	296.0	124.2	159.1	220.6	257.5	229.2	209.5	206.2	229.2	225.9
80°	324.3	148.4	86.1	111.5	144.7	210.7	200.9	178.4	177.5	182.9	157.0
82.5°	96.8	62.7	55.4	73.4	80.0	161.5	173.4	134.9	116.0	122.2	126.3
85°	33.2	30.3	31.6	36.5	38.1	94.7	121.4	89.4	84.5	93.1	91.8
87.5°	7.8	10.7	9.0	8.2	8.2	23.0	47.2	37.3	51.7	34.4	33.2
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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SS

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(END OF REPORT)