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: P1200802

Luminaire Tested: GPC-SB2D-827-U-T4FT-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1200802
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB2D-827-U-T4FT-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV FORWARD THRC OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13395 lumens
Efficiency:	N/A
Efficacy:	90.8 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G3

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

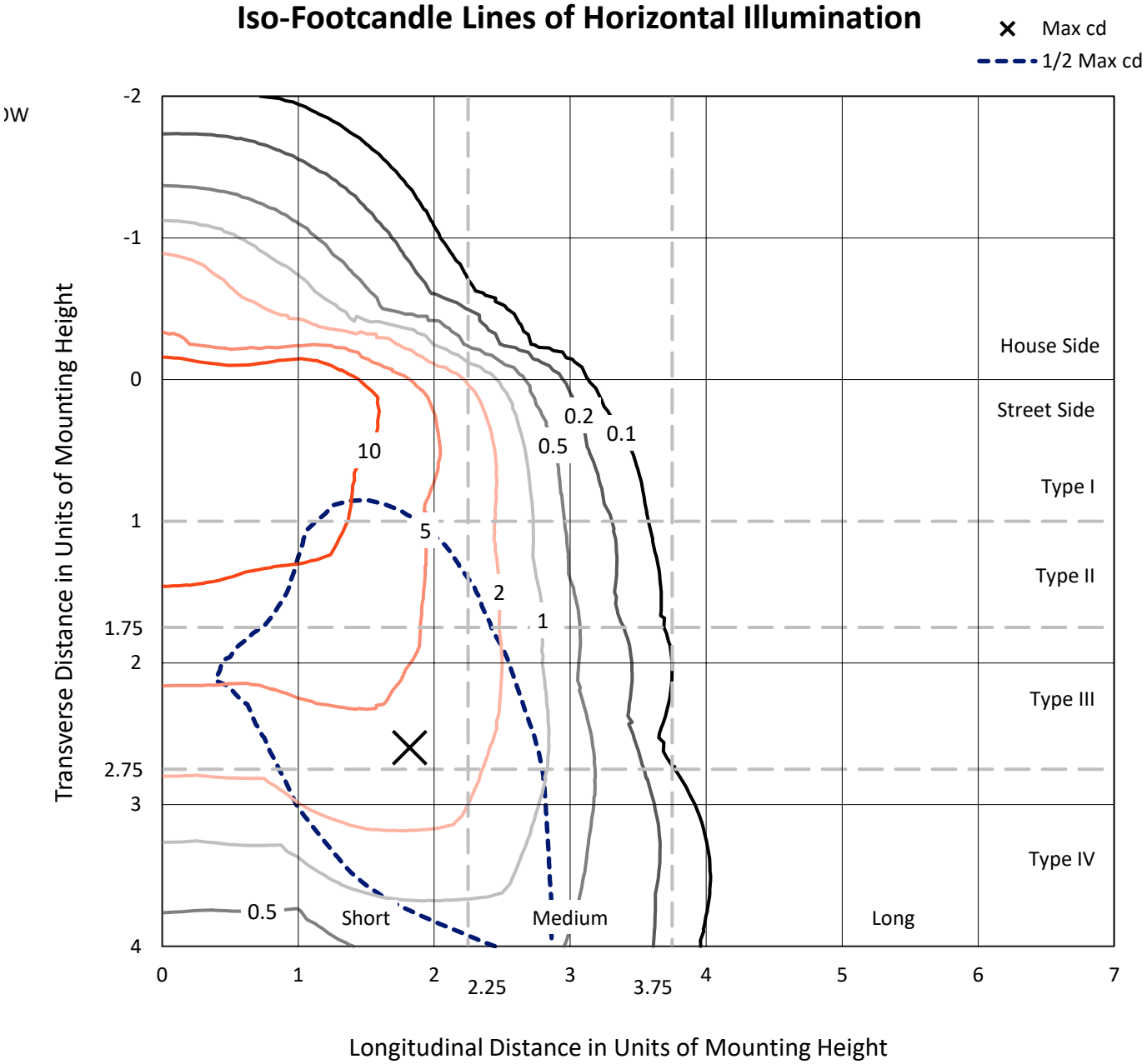


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Iso-Footcandle Lines of Horizontal Illumination



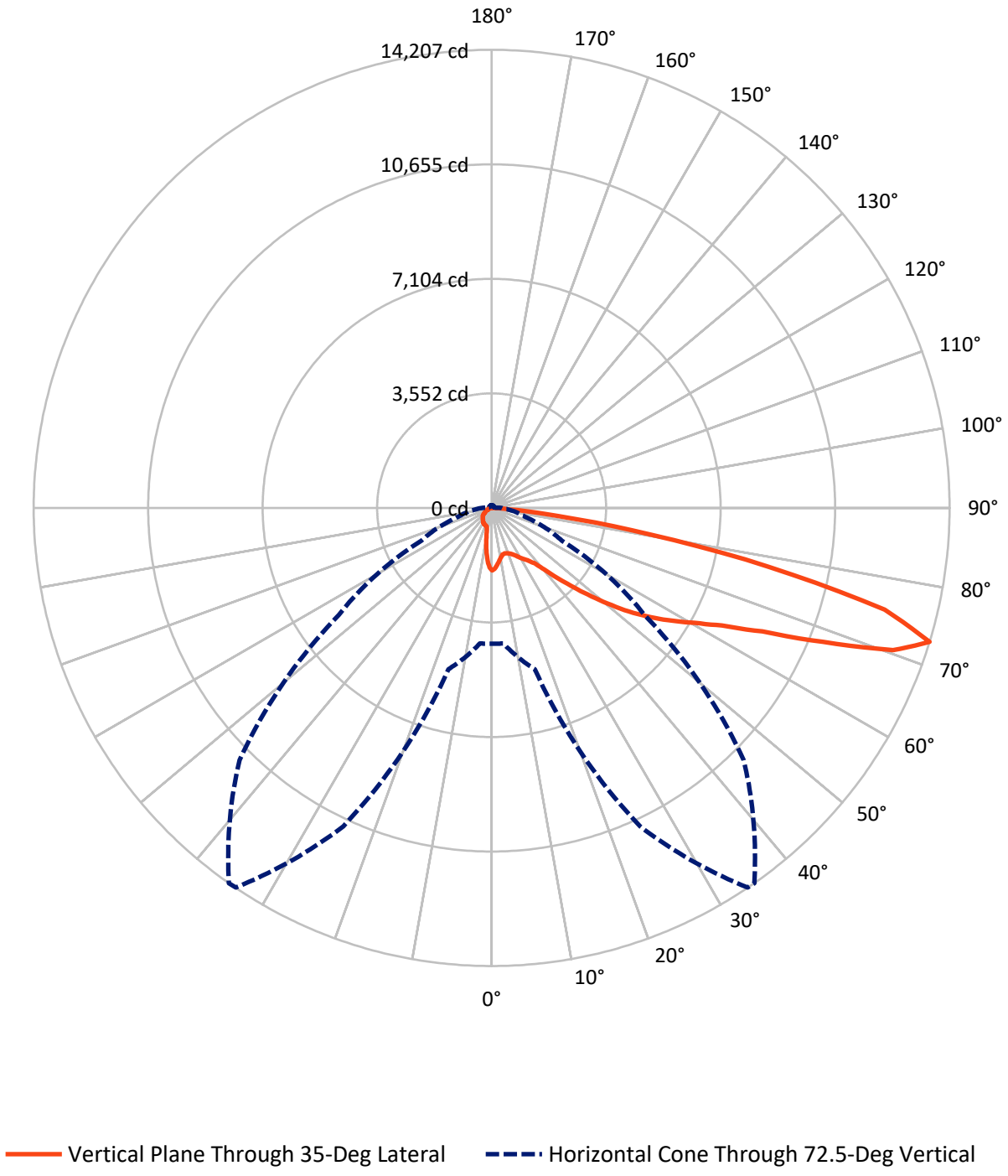
Based on 10 foot mounting height. Maximum calculated value = 19.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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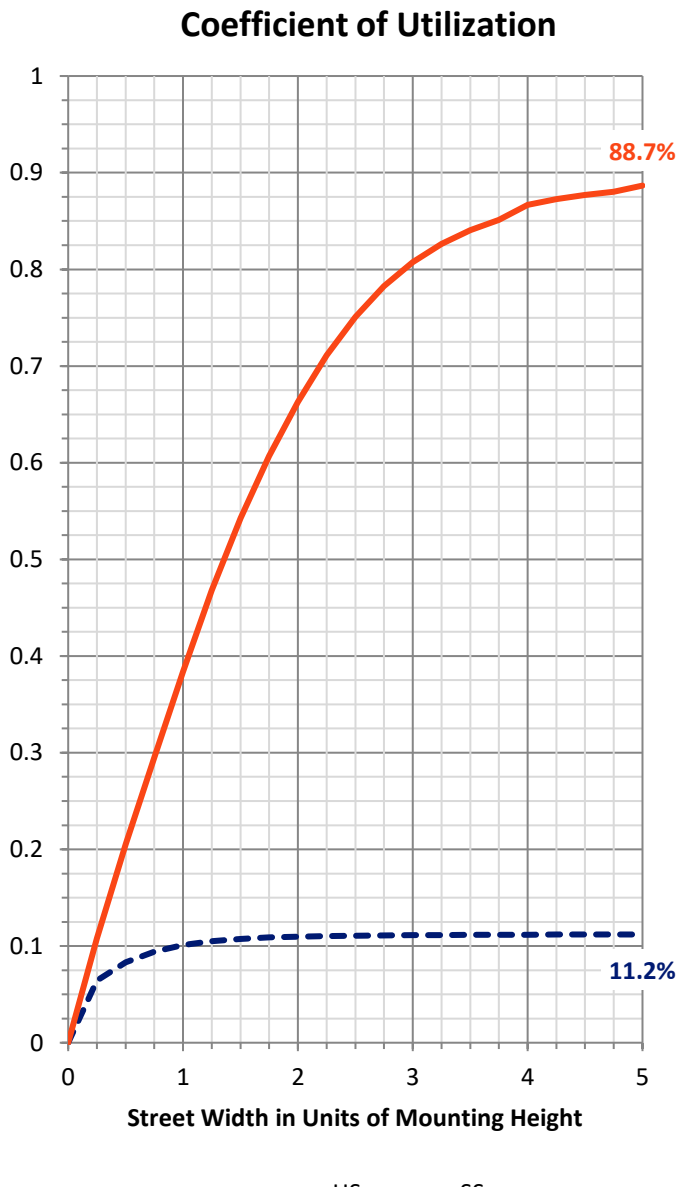
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1507.5	0.0	1507.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	11887.5	0.0	11887.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	13395.0	0.0	13395.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	1.2
10°-20°	373.2	2.8
20°-30°	606.3	4.5
30°-40°	1011.5	7.6
40°-50°	1913.9	14.3
50°-60°	3041.1	22.7
60°-70°	3762.0	28.1
70°-80°	2338.5	17.5
80°-90°	189.0	1.4
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°	13395.0	100.0
0°-180°	13395.0	100.0



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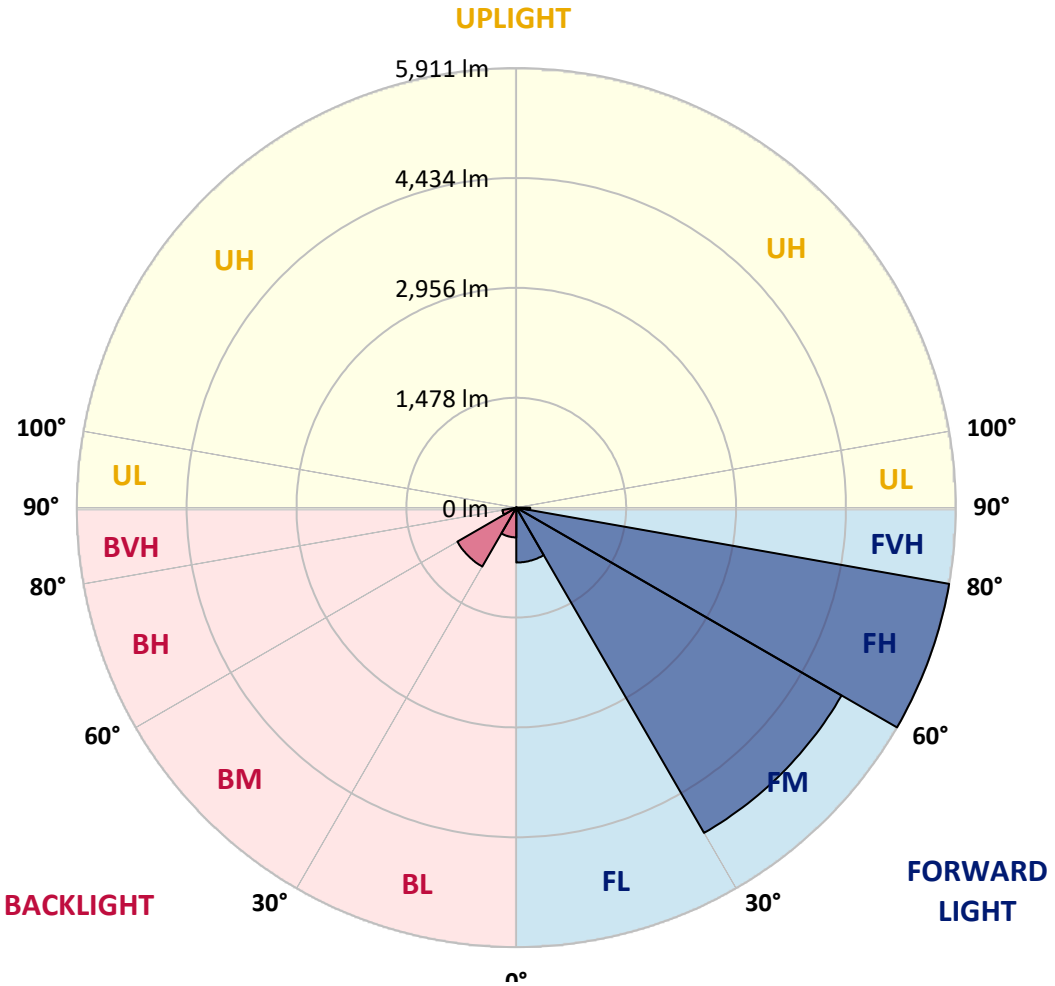
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	738.4	5.5			
FM	(30°-60°)	5051.3	37.7			
FH	(60°-80°)	5911.4	44.1			G3/7500
FVH	(80°-90°)	186.4	1.4			G2/225
BL	(0°-30°)	400.6	3.0	B1/500		
BM	(30°-60°)	915.2	6.8	B1/1000		
BH	(60°-80°)	189.2	1.4	B1/500		G1/500
BVH	(80°-90°)	2.6	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-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1941.4	1941.4	1941.4	1941.4	1941.4	*1941.4*	1941.4	1941.4	1941.4	1941.4	1941.4
2.5°	1855.0	1870.7	1873.7	1878.6	1878.6	*1884.5*	1894.3	1908.0	1930.6	1942.4	1950.2
5°	1709.8	1721.5	1736.3	1748.0	1770.6	*1773.6*	1811.8	1849.1	1901.1	1940.4	1967.9
7.5°	1563.5	1577.3	1596.9	1625.3	1654.8	*1663.6*	1721.5	1784.3	1866.8	1940.4	1986.5
10°	1460.5	1461.4	1479.1	1507.6	1554.7	*1565.5*	1636.1	1725.5	1828.5	1928.6	2004.2
12.5°	1402.5	1409.4	1417.3	1438.9	1484.0	*1490.9*	1566.5	1671.5	1790.2	1921.8	2024.8
15°	1402.5	1407.5	1412.4	1423.2	1459.5	*1465.4*	1532.1	1637.1	1770.6	1924.7	2058.2
17.5°	1417.3	1425.1	1421.2	1434.0	1472.2	*1476.2*	1535.0	1627.3	1769.6	1943.3	2109.2
20°	1452.6	1458.5	1450.6	1458.5	1496.8	*1504.6*	1565.5	1646.0	1786.3	1975.7	2173.0
22.5°	1508.5	1511.5	1492.8	1498.7	1538.0	*1547.8*	1618.5	1699.0	1826.6	2027.8	2258.4
25°	1579.2	1585.1	1556.6	1563.5	1600.8	*1612.6*	1694.0	1778.5	1890.3	2099.4	2367.4
27.5°	1660.7	1663.6	1639.1	1638.1	1686.2	*1702.9*	1785.3	1876.6	1975.7	2189.7	2504.8
30°	1753.9	1762.8	1739.2	1735.3	1796.1	*1809.9*	1891.3	1997.3	2101.4	2325.1	2700.1
32.5°	1827.5	1834.4	1820.7	1830.5	1892.3	*1903.1*	2019.9	2168.1	2298.6	2517.5	2966.1
35°	1933.5	1937.5	1906.1	1923.7	1994.4	*2021.9*	2195.6	2407.6	2547.0	2759.0	3313.5
37.5°	2317.3	2317.3	2183.8	2096.5	2164.2	*2188.7*	2436.1	2708.9	2853.2	3082.9	3751.2
40°	2848.3	2839.4	2644.1	2465.5	2456.7	*2504.8*	2778.6	3088.7	3248.7	3471.5	4244.0
42.5°	3414.6	3400.9	3134.9	2958.2	2928.8	*2945.4*	3174.1	3556.9	3719.8	3945.6	4774.0
45°	3917.1	3913.2	3669.8	3432.3	3379.3	*3432.3*	3667.8	4104.6	4221.4	4458.9	5303.0
47.5°	4338.2	4338.2	4160.5	4005.5	3978.0	*4009.4*	4336.2	4712.1	4701.3	5005.6	5818.3
50°	4823.0	4819.1	4650.3	4583.6	4612.0	*4656.2*	5105.7	5352.1	5198.0	5542.5	6278.6
52.5°	5162.6	5186.2	5128.3	5117.5	5262.7	*5339.3*	5887.0	5978.2	5642.6	6051.9	6623.1
55°	5431.6	5459.0	5525.8	5601.4	5881.1	*5981.2*	6643.7	6572.0	6014.6	6493.5	6821.3
57.5°	5812.4	5773.1	5876.2	6025.4	6477.8	*6598.5*	7376.9	7132.5	6313.9	6851.8	6842.9
60°	6274.7	6280.5	6298.2	6486.7	7073.6	*7228.7*	8099.2	7662.5	6506.3	7071.6	6603.5
62.5°	6830.2	6839.0	6875.3	7164.9	7873.5	*8019.7*	8868.7	8096.3	6594.6	7009.8	5985.1
65°	6791.9	6829.2	7234.6	8224.9	9089.6	*9233.8*	9766.8	8400.6	6461.1	6444.5	4873.1
67.5°	6187.3	6248.2	6926.4	9491.0	10923.0	*11084.0*	10852.3	8460.4	5885.0	5011.5	3179.0
70°	5394.3	5415.9	6231.5	10629.5	13045.9	*13208.9*	11824.0	7801.9	4465.8	2795.3	1424.1
72.5°	*4212.5*	*4217.5*	*5174.4*	*10893.5*	*14198.2*	*14207.0*	*11061.4*	*5791.8*	*2401.7*	*1073.7*	*494.7*
75°	3009.2	2979.8	3465.6	8834.4	12491.4	*12591.5*	8292.6	2716.8	917.7	507.4	246.4
77.5°	1613.6	1646.0	1961.0	5239.2	8629.2	*8800.0*	4524.7	783.2	467.2	345.5	162.9
80°	498.6	526.1	803.8	2398.8	4887.8	*4990.9*	1677.4	348.4	325.9	246.4	107.0
82.5°	157.0	162.9	374.9	1008.0	2028.7	*2075.8*	485.8	197.3	222.8	162.9	62.8
85°	45.1	46.1	166.9	375.9	501.5	*511.4*	136.4	76.6	127.6	101.1	32.4
87.5°	4.9	15.7	62.8	62.8	44.2	*43.2*	14.7	16.7	36.3	12.8	5.9
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°	1941.4	1941.4	1941.4	1941.4	1941.4	1941.4	1941.4	1941.4	1941.4	1941.4	1941.4
2.5°	1945.3	1946.3	1933.5	1911.9	1888.4	1868.8	1844.2	1824.6	1810.8	1806.9	1813.8
5°	1959.1	1952.2	1915.9	1850.1	1771.6	1703.9	1628.3	1568.4	1529.2	1512.5	1518.4
7.5°	1979.7	1960.0	1880.5	1751.0	1600.8	1467.3	1331.9	1226.9	1160.1	1126.7	1131.7
10°	1997.3	1958.1	1821.6	1607.7	1378.0	1175.8	993.3	866.7	796.0	762.6	763.6
12.5°	2014.0	1957.1	1745.1	1437.9	1126.7	879.4	709.6	646.8	627.2	620.3	618.3
15°	2045.4	1960.0	1648.9	1243.5	876.5	664.5	602.6	601.7	605.6	603.6	602.6
17.5°	2088.6	1963.0	1540.0	1037.4	676.2	585.9	583.0	591.8	597.7	594.8	593.8
20°	2144.6	1974.8	1424.1	833.3	581.0	566.3	573.2	581.0	585.9	581.0	580.1
22.5°	2223.1	1995.4	1297.5	669.4	550.6	554.5	560.4	569.3	574.2	567.3	566.3
25°	2319.3	2027.8	1172.9	582.0	535.9	540.8	549.6	559.4	565.3	558.5	557.5
27.5°	2443.9	2079.8	1058.0	562.4	521.2	524.1	536.9	551.6	559.4	550.6	550.6
30°	2624.5	2165.2	958.9	571.2	512.3	505.5	523.1	543.7	552.6	544.7	543.7
32.5°	2864.0	2285.9	898.1	585.0	508.4	483.9	500.6	527.1	541.8	536.9	536.9
35°	3178.1	2469.4	874.5	600.7	505.5	461.3	473.1	501.5	527.1	532.0	532.0
37.5°	3558.9	2724.6	881.4	607.5	496.6	442.7	448.5	473.1	506.4	522.2	526.1
40°	3991.7	3022.0	920.6	600.7	486.8	426.9	427.9	446.6	476.0	499.6	507.4
42.5°	4438.3	3369.5	993.3	575.2	478.0	413.2	410.3	423.0	442.7	459.3	466.2
45°	4863.3	3726.7	1064.9	539.8	467.2	399.5	392.6	397.5	401.4	408.3	412.2
47.5°	5234.3	3978.0	1044.3	507.4	452.5	383.8	372.0	370.0	358.2	357.3	356.3
50°	5490.4	4032.9	927.5	475.0	430.9	366.1	347.4	335.7	315.1	305.2	306.2
52.5°	5571.9	3816.0	757.7	442.7	395.5	342.5	316.0	297.4	271.9	263.0	262.1
55°	5463.9	3391.0	605.6	403.4	346.5	311.1	281.7	257.2	236.5	225.7	225.7
57.5°	5199.9	2850.2	479.0	357.3	294.4	275.8	246.4	221.8	204.1	193.4	191.4
60°	4762.2	2263.3	378.9	302.3	251.3	237.5	207.1	191.4	175.7	162.9	160.0
62.5°	4097.7	1615.5	297.4	239.5	210.0	194.3	176.7	164.9	146.2	128.6	125.6
65°	3197.7	988.4	229.7	175.7	168.8	161.0	150.2	139.4	116.8	99.1	96.2
67.5°	2017.0	468.2	163.9	132.5	133.5	129.6	124.6	115.8	99.1	83.4	81.5
70°	888.2	226.7	108.0	101.1	99.1	99.1	103.1	100.1	84.4	69.7	66.7
72.5°	*302.3*	*121.7*	*80.5*	*76.6*	*71.6*	*70.7*	*86.4*	*83.4*	*67.7*	*54.0*	*51.0*
75°	158.0	81.5	58.9	55.0	43.2	52.0	68.7	64.8	48.1	35.3	32.4
77.5°	103.1	57.9	40.2	35.3	24.5	34.4	51.0	45.1	28.5	17.7	15.7
80°	64.8	38.3	23.6	16.7	11.8	18.6	27.5	19.6	10.8	3.9	2.9
82.5°	34.4	19.6	8.8	5.9	4.9	5.9	6.9	4.9	2.0	0.0	0.0
85°	13.7	6.9	2.9	2.0	1.0	0.0	2.0	1.0	0.0	0.0	0.0
87.5°	4.9	1.0	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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SS

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(END OF REPORT)