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: P1199354

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

Issue Date: 10/30/2025

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1199354
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB2A-827-U-AFL
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE FRONTLIN OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7931 lumens
Efficiency:	N/A
Efficacy:	138.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

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

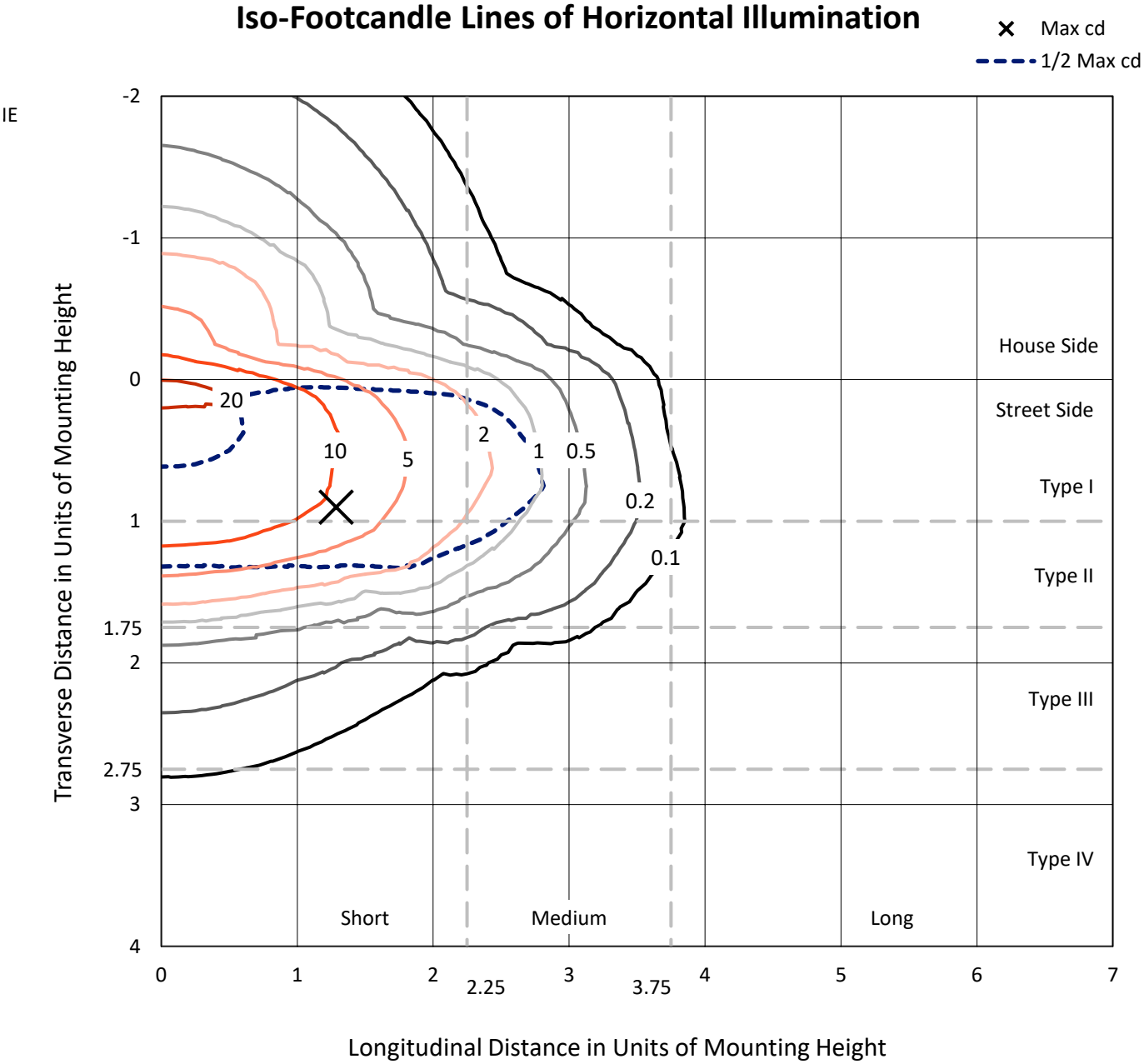


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Iso-Footcandle Lines of Horizontal Illumination



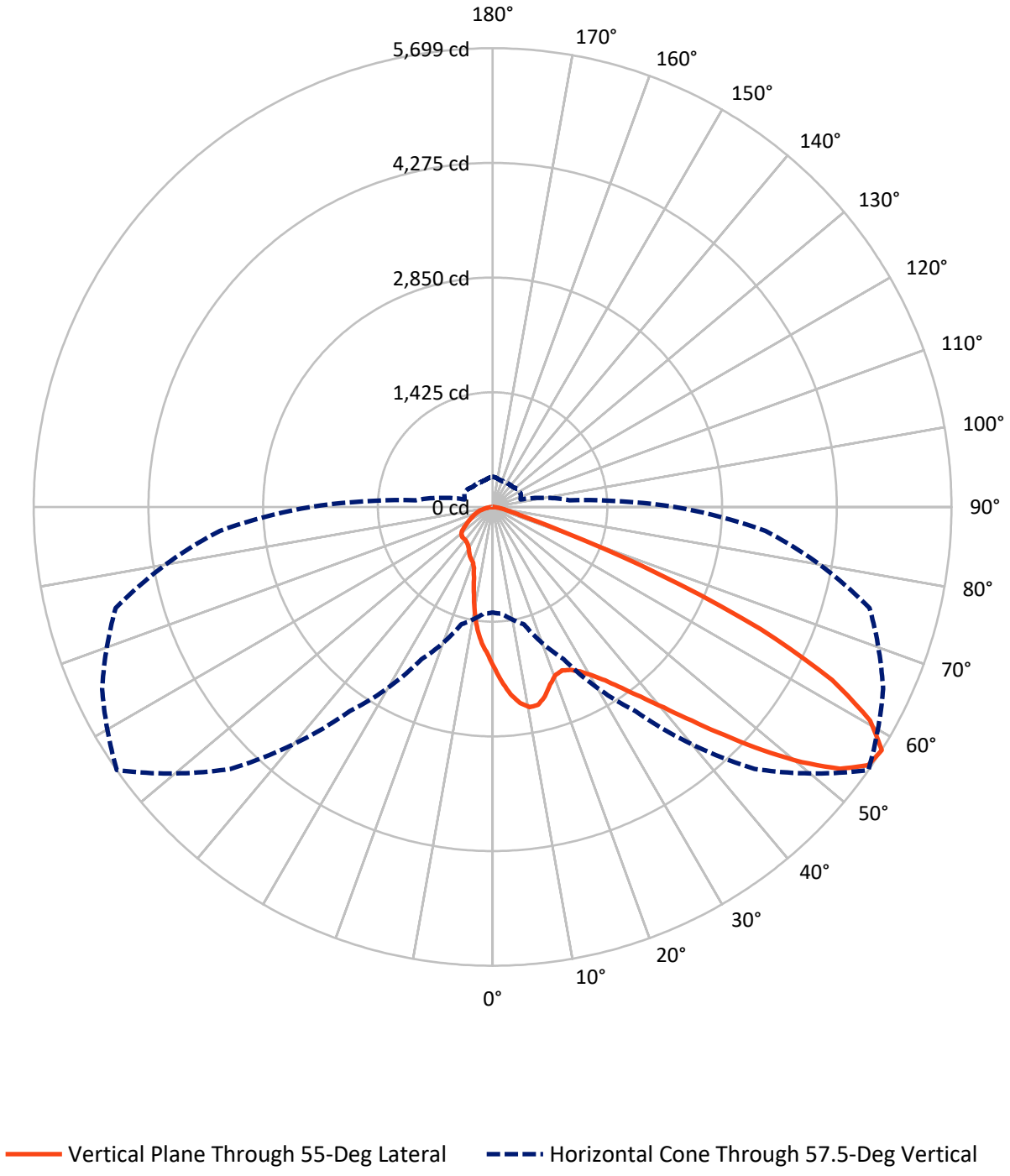
Based on 10 foot mounting height. Maximum calculated value = 24 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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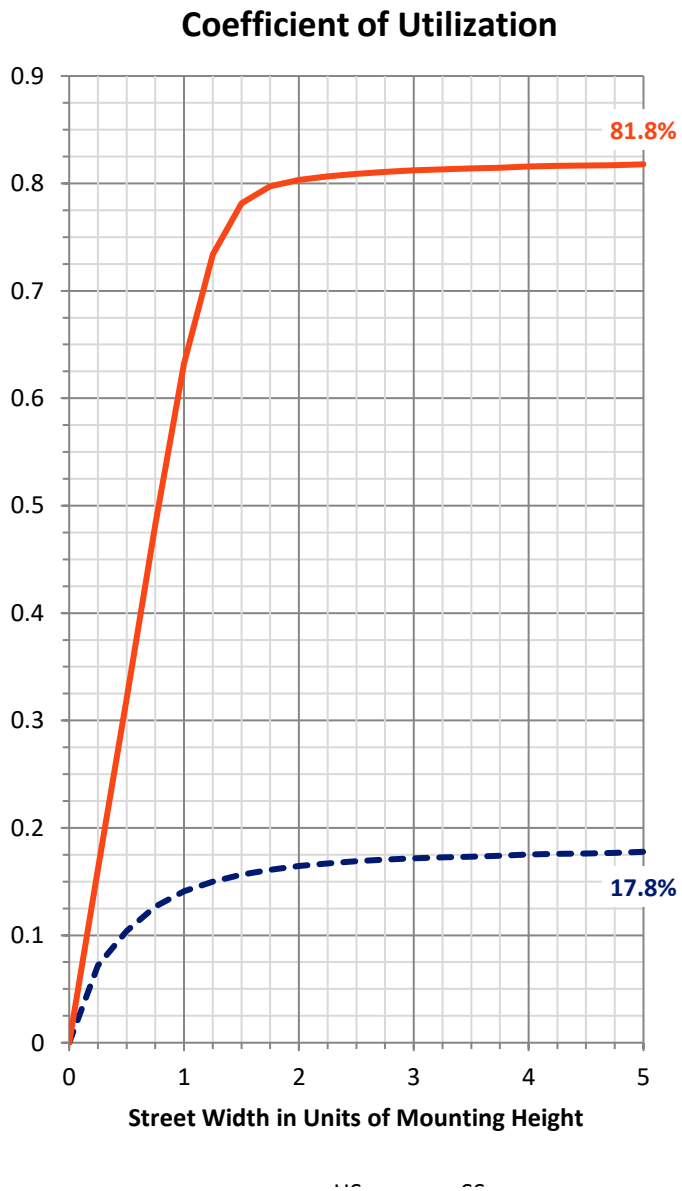
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1435.1	0.0	1435.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	6495.9	0.0	6495.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	7931.0	0.0	7931.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.4	2.3
10°-20°	465.4	5.9
20°-30°	742.7	9.4
30°-40°	1175.9	14.8
40°-50°	1799.9	22.7
50°-60°	1927.8	24.3
60°-70°	1212.8	15.3
70°-80°	358.6	4.5
80°-90°	63.4	0.8
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°	7931.0	100.0
0°-180°	7931.0	100.0



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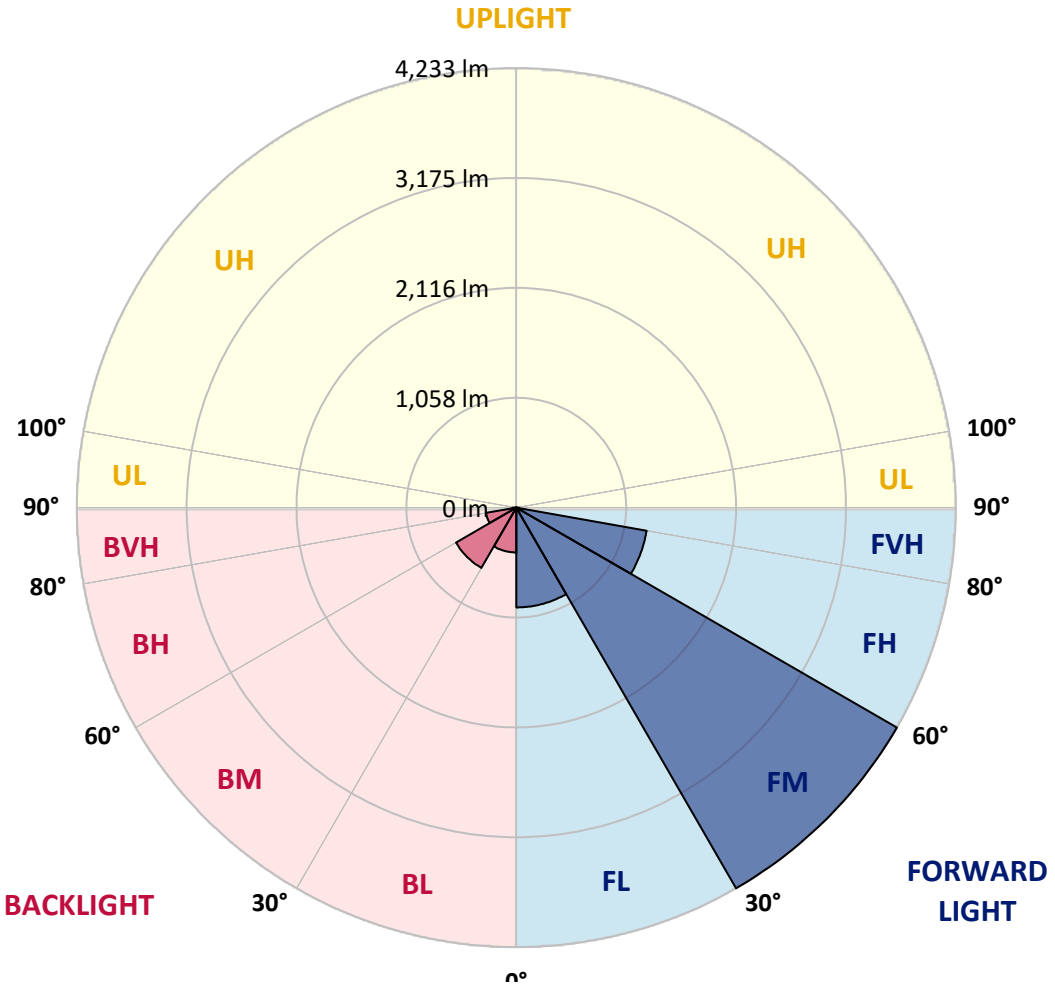
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	961.2	12.1			
FM	(30°-60°)	4232.8	53.4			
FH	(60°-80°)	1275.1	16.1			G1/1800
FVH	(80°-90°)	26.8	0.3			G1/100
BL	(0°-30°)	431.3	5.4	B1/500		
BM	(30°-60°)	670.7	8.5	B1/1000		
BH	(60°-80°)	296.4	3.7	B1/500		G1/500
BVH	(80°-90°)	36.6	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-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1987.3	1987.3	1987.3	1987.3	1987.3	1987.3	1987.3	1987.3	1987.3	1987.3	1987.3
2.5°	2280.0	2278.3	2287.4	2256.6	2235.7	2207.4	2170.1	2122.5	2071.3	2017.2	1993.8
5°	2485.4	2471.0	2480.5	2457.5	2434.6	2391.9	2336.6	2259.1	2164.4	2056.5	1999.1
7.5°	2453.0	2443.2	2467.4	2487.9	2505.1	2499.7	2459.2	2378.0	2255.8	2099.2	2016.0
10°	2191.8	2180.8	2214.8	2285.7	2389.9	2480.5	2529.7	2479.2	2349.3	2145.9	2032.4
12.5°	1961.4	1956.1	1978.6	2036.0	2151.7	2325.5	2520.7	2567.8	2446.4	2201.3	2054.5
15°	1863.0	1856.5	1870.8	1899.9	1973.7	2135.7	2438.7	2628.5	2542.0	2265.2	2089.8
17.5°	1841.3	1833.9	1840.1	1855.2	1902.8	2026.2	2314.8	2658.4	2641.6	2336.6	2119.3
20°	1881.5	1875.3	1876.1	1875.3	1908.5	2006.5	2228.7	2646.9	2728.5	2402.2	2148.0
22.5°	1978.6	1968.4	1968.8	1947.1	1965.1	2041.0	2206.2	2616.2	2806.0	2459.6	2169.7
25°	2136.9	2118.4	2122.1	2066.8	2061.9	2118.0	2241.4	2592.4	2883.1	2505.5	2173.8
27.5°	2353.4	2332.5	2321.4	2239.0	2199.6	2227.5	2313.2	2600.6	2956.1	2545.3	2163.5
30°	2624.0	2598.6	2576.0	2459.2	2387.8	2377.6	2424.7	2654.7	3042.2	2587.1	2145.9
32.5°	2955.7	2926.1	2885.1	2730.2	2629.7	2576.0	2569.0	2751.1	3143.0	2640.4	2136.9
35°	3350.5	3311.9	3253.7	3053.2	2926.1	2816.3	2759.3	2890.1	3281.2	2720.7	2147.1
37.5°	3757.2	3713.7	3660.4	3421.8	3265.6	3103.7	2991.3	3078.7	3465.3	2829.8	2174.2
40°	4132.4	4083.6	4034.0	3821.6	3653.9	3458.7	3275.5	3317.3	3690.4	2960.2	2220.1
42.5°	4353.7	4317.7	4298.8	4184.0	4054.5	3856.4	3628.9	3600.2	3943.3	3110.2	2272.6
45°	4343.9	4329.1	4387.4	4434.9	4404.2	4294.3	4043.0	3913.0	4197.1	3240.2	2321.0
47.5°	4111.9	4121.7	4251.7	4519.0	4636.6	4694.0	4514.5	4220.1	4417.7	3337.4	2342.7
50°	3480.5	3488.7	3789.6	4366.0	4696.5	5020.0	4982.3	4519.8	4588.7	3396.8	2337.8
52.5°	2980.7	2986.0	3115.2	3912.6	4498.9	5184.0	5403.7	4802.3	4713.7	3413.2	2310.3
55°	2245.1	2263.6	2408.3	3069.6	3984.8	5054.0	5660.4	5093.4	4792.9	3414.9	2281.6
57.5°	1311.6	1331.7	1510.4	2083.6	3097.1	4601.0	5699.4	5351.7	4846.6	3401.7	2264.4
60°	642.5	651.1	729.0	1095.1	1909.8	3728.1	5386.1	5476.7	4876.5	3394.8	2263.6
62.5°	433.0	431.7	435.0	540.4	940.9	2395.2	4733.4	5257.8	4860.5	3368.1	2255.4
65°	372.3	367.8	355.5	379.2	487.5	1095.5	3657.2	4604.3	4738.7	3301.3	2199.2
67.5°	321.8	322.3	322.7	315.3	348.1	505.5	2234.9	3626.8	4301.7	2984.8	1982.7
70°	266.5	270.2	271.8	271.8	283.7	331.7	954.1	2485.8	3393.1	2340.3	1596.9
72.5°	242.7	234.9	235.7	231.6	231.6	252.6	384.2	1409.2	2137.7	1316.5	974.6
75°	198.0	202.9	203.8	200.9	191.5	192.7	228.0	591.2	914.7	546.1	481.7
77.5°	171.0	171.0	172.6	170.6	163.2	144.3	152.1	229.2	311.2	223.9	240.7
80°	137.3	136.9	143.9	148.0	136.5	106.6	97.2	126.7	138.2	98.4	125.0
82.5°	66.8	70.9	98.8	112.7	103.7	77.1	59.4	78.7	73.8	43.5	56.2
85°	38.9	36.9	44.3	62.7	59.4	42.6	28.7	41.0	38.5	22.1	22.5
87.5°	12.3	11.5	9.0	21.3	17.2	11.9	7.8	11.9	10.7	4.9	4.9
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1987.3	1987.3	1987.3	1987.3	1987.3	1987.3	1987.3	1987.3	1987.3	1987.3
2.5°	1964.7	1916.3	1868.4	1824.5	1797.8	1780.6	1763.4	1744.1	1736.7	1725.7
5°	1945.0	1851.5	1768.3	1696.6	1631.4	1580.1	1528.5	1486.6	1467.8	1480.5
7.5°	1933.5	1798.2	1669.9	1538.3	1411.6	1310.3	1222.2	1160.3	1132.4	1139.4
10°	1923.3	1738.0	1542.4	1334.5	1152.5	1027.0	936.8	889.7	872.1	875.8
12.5°	1913.9	1670.3	1388.7	1115.2	921.7	838.9	813.0	813.4	816.7	819.2
15°	1912.2	1588.7	1216.9	923.3	797.0	791.7	819.6	837.2	846.6	849.5
17.5°	1909.8	1491.2	1041.8	792.5	766.7	802.8	828.6	840.1	847.5	847.9
20°	1899.9	1367.3	880.3	730.2	760.1	791.3	807.3	816.3	822.5	824.5
22.5°	1869.6	1229.6	754.4	702.3	733.9	758.9	777.8	788.0	791.7	794.2
25°	1815.1	1075.4	667.5	675.7	697.4	729.0	744.1	746.2	745.0	748.7
27.5°	1743.7	910.2	613.4	639.6	667.5	694.5	702.7	701.5	699.0	703.1
30°	1657.6	761.8	578.9	599.0	637.1	661.7	669.1	666.2	661.3	665.8
32.5°	1566.6	640.4	550.6	570.7	612.1	636.3	643.7	640.8	637.1	640.8
35°	1481.7	555.5	524.4	551.9	592.4	616.2	625.7	626.1	626.1	630.6
37.5°	1403.8	505.9	502.7	540.0	578.9	600.2	613.8	614.6	597.0	598.2
40°	1331.7	485.0	492.8	532.2	565.8	586.3	587.1	541.2	508.8	508.0
42.5°	1272.6	480.9	495.7	531.4	556.4	557.2	499.4	463.7	454.7	455.1
45°	1217.3	479.7	502.2	531.4	542.4	481.3	442.4	433.0	433.8	437.1
47.5°	1155.4	474.8	503.5	524.0	502.2	428.0	416.6	412.5	410.8	411.6
50°	1087.7	457.1	487.9	509.2	433.4	405.1	390.7	389.5	391.5	392.8
52.5°	1016.4	428.4	461.2	482.6	401.8	385.0	369.0	371.9	380.9	383.8
55°	969.6	394.8	426.0	429.3	379.7	366.1	352.6	359.2	376.0	381.3
57.5°	*957.3*	*359.2*	*385.8*	*382.1*	*351.4*	*349.7*	*341.5*	*347.3*	*368.6*	*376.4*
60°	953.7	327.2	346.4	343.6	323.9	331.7	329.6	332.5	339.9	342.3
62.5°	925.0	301.8	311.2	307.1	299.3	312.8	317.7	311.6	317.3	320.2
65°	852.0	281.3	276.7	273.9	277.2	289.5	299.3	287.0	292.3	300.5
67.5°	731.4	253.4	241.1	244.4	254.6	261.2	273.9	259.9	264.4	278.4
70°	591.6	218.1	207.0	216.5	226.3	239.8	241.9	232.5	243.1	258.7
72.5°	418.6	182.4	174.7	193.9	197.2	214.8	210.3	205.8	220.6	225.9
75°	290.3	147.2	142.7	157.4	169.3	184.5	181.2	186.5	217.7	220.2
77.5°	183.7	114.4	111.5	120.9	137.3	154.2	159.5	220.2	371.9	386.6
80°	106.6	85.3	82.0	89.4	103.7	119.3	153.7	270.2	245.2	242.3
82.5°	59.4	58.6	54.5	56.6	69.3	86.1	217.3	190.2	154.6	159.5
85°	27.9	34.4	29.5	28.3	38.9	100.9	145.1	108.6	72.2	70.5
87.5°	7.4	6.6	6.6	7.4	16.4	86.9	57.8	46.3	27.5	26.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0


HS
SS

0

(END OF REPORT)