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: P1198877

Luminaire Tested: GPC-SB1D-827-U-AFL-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1198877
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB1D-827-U-AFL-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND AUTOMOTIVE FRONTLINE OPTI(
	WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7585 lumens
Efficiency:	N/A
Efficacy:	95.3 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

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

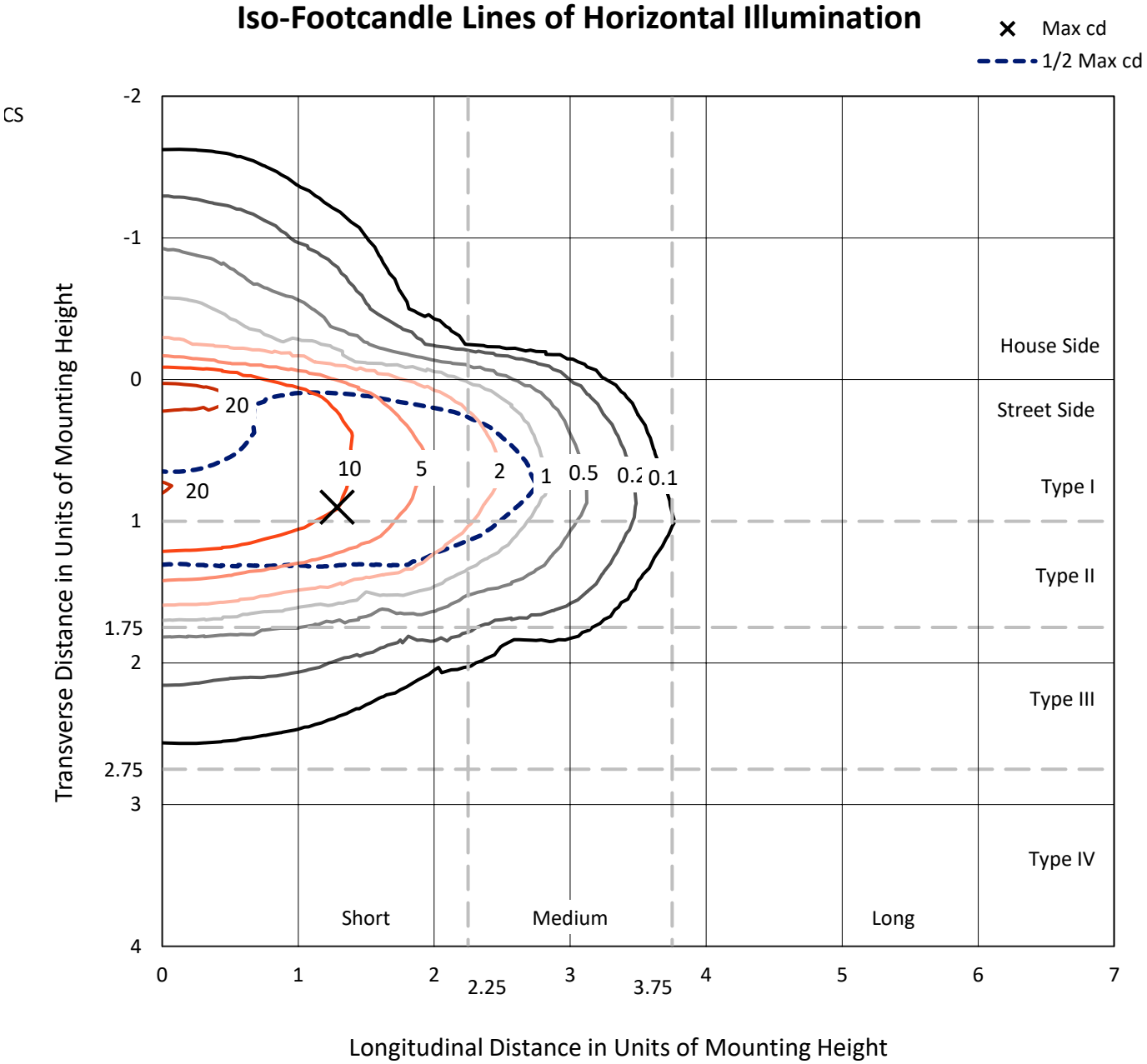


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Iso-Footcandle Lines of Horizontal Illumination



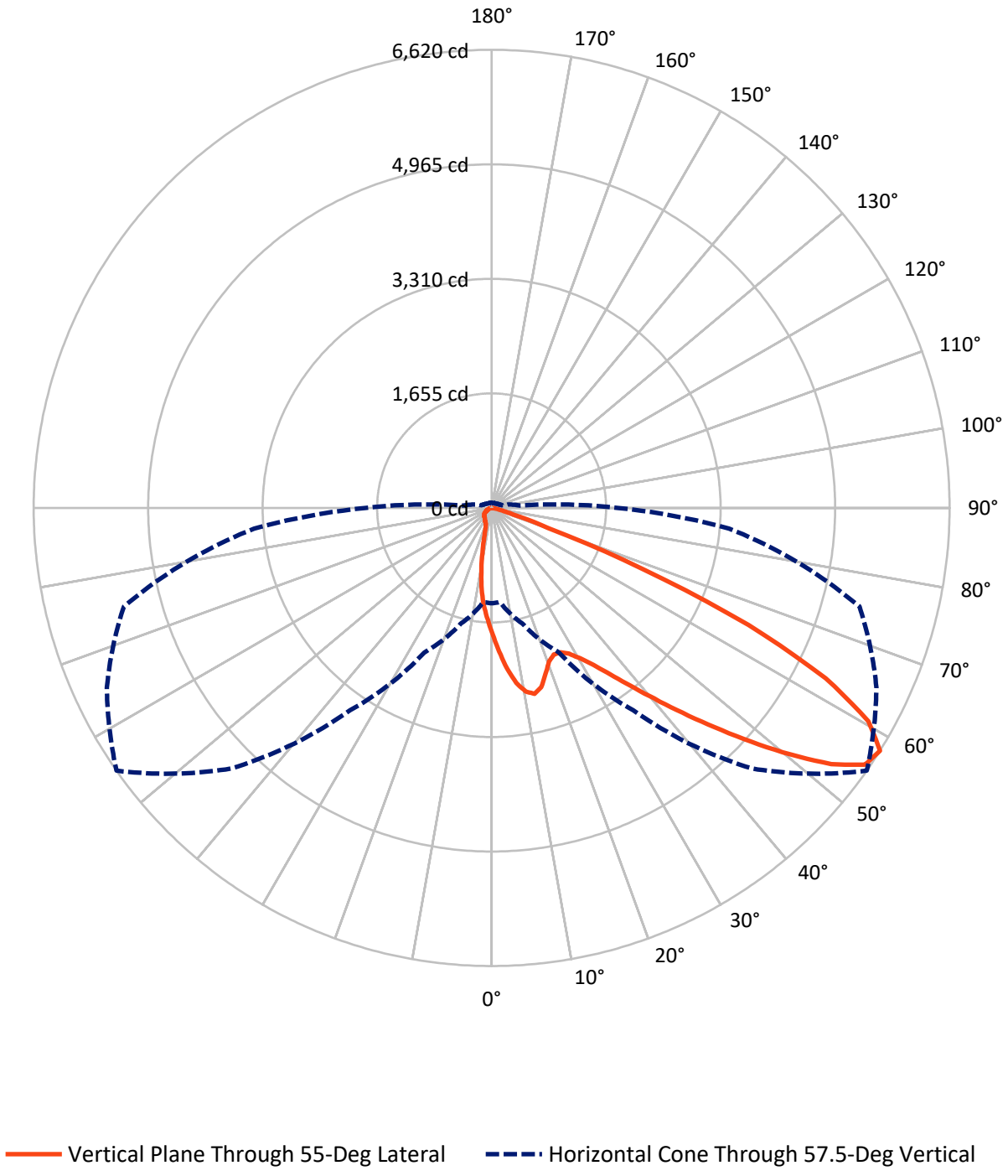
Based on 10 foot mounting height. Maximum calculated value = 26.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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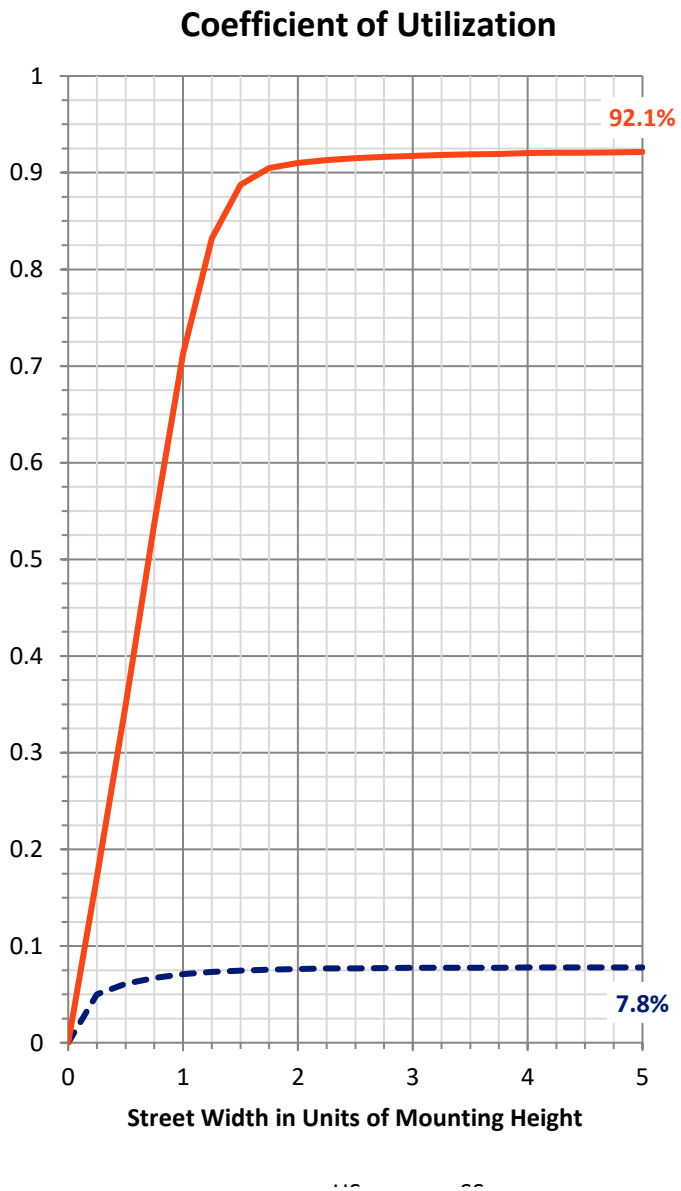
REPORT NUMBER: P1198877
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	592.4	0.0	592.4
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	6992.6	0.0	6992.6
	% Fixture	92.2	0.0	92.2
Total	Lumens	7585.0	0.0	7585.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.1	2.2
10°-20°	410.8	5.4
20°-30°	657.3	8.7
30°-40°	1112.5	14.7
40°-50°	1826.4	24.1
50°-60°	2007.4	26.5
60°-70°	1151.4	15.2
70°-80°	235.3	3.1
80°-90°	13.9	0.2
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°	7585.0	100.0
0°-180°	7585.0	100.0



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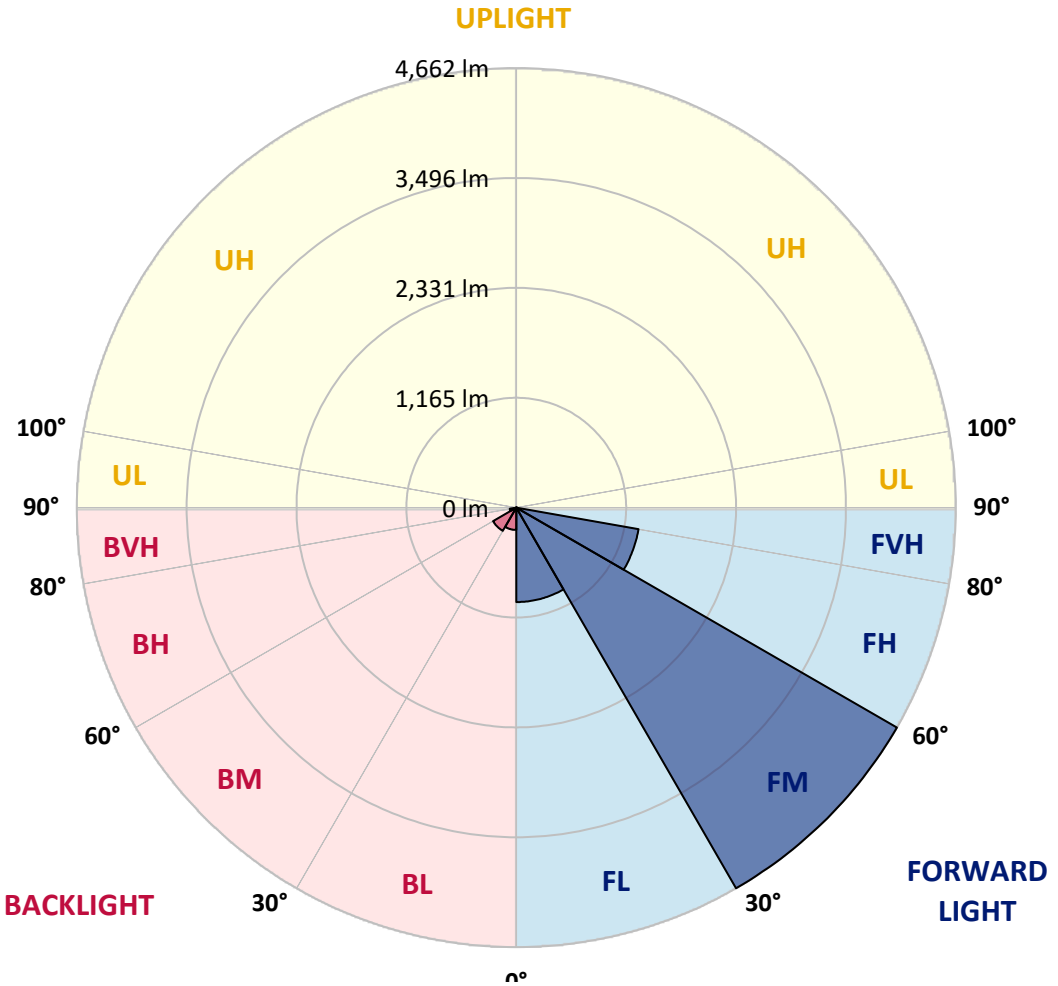
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1001.6	13.2			
FM	(30°-60°)	4661.8	61.5			
FH	(60°-80°)	1316.3	17.4			G1/1800
FVH	(80°-90°)	12.9	0.2			G1/100
BL	(0°-30°)	236.5	3.1	B1/500		
BM	(30°-60°)	284.5	3.8	B1/1000		
BH	(60°-80°)	70.4	0.9	B0/110		G0/110
BVH	(80°-90°)	0.9	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-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1827.8	1827.8	1827.8	1827.8	1827.8	1827.8	*1827.8*	1827.8	1827.8	1827.8	1827.8
2.5°	2267.9	2239.4	2235.2	2229.6	2175.3	2134.6	*2075.7*	2011.1	1938.6	1864.7	1832.0
5°	2620.1	2597.6	2593.4	2567.2	2505.5	2436.3	*2331.5*	2199.2	2064.0	1905.0	1836.7
7.5°	2688.4	2684.2	2703.3	2702.4	2694.0	2639.3	*2550.9*	2393.3	2190.3	1954.5	1848.8
10°	2383.9	2394.7	2451.7	2501.8	2636.9	2715.5	*2696.3*	2566.3	2320.3	2011.1	1862.4
12.5°	2106.6	2093.9	2134.6	2191.2	2348.4	2582.2	*2756.7*	2710.8	2469.0	2075.2	1882.5
15°	1932.6	1927.4	1950.3	1976.5	2096.3	2332.0	*2686.5*	2828.2	2612.1	2151.0	1912.9
17.5°	1876.9	1872.7	1879.7	1886.3	1963.9	2146.3	*2519.5*	2900.2	2749.2	2237.5	1946.6
20°	1922.3	1916.7	1915.7	1910.6	1942.9	2067.3	*2368.5*	2905.4	2872.2	2316.1	1975.6
22.5°	2054.6	2048.1	2025.2	2004.6	2007.4	2078.0	*2301.1*	2853.9	2964.8	2389.5	1993.8
25°	2294.6	2283.8	2236.1	2166.9	2122.9	2152.9	*2311.4*	2786.1	3053.2	2447.0	1984.9
27.5°	2594.8	2580.8	2519.5	2416.6	2316.1	2279.6	*2385.8*	2739.4	3126.6	2491.0	1965.8
30°	2889.0	2870.8	2810.4	2730.5	2583.6	2468.6	*2520.0*	2759.9	3214.1	2536.8	1940.5
32.5°	3206.6	3189.3	3109.3	3010.2	2888.6	2733.7	*2703.8*	2860.5	3321.2	2600.9	1922.7
35°	3608.4	3581.2	3467.6	3332.4	3203.3	3046.6	*2952.6*	3034.0	3463.8	2698.7	1932.6
37.5°	4065.8	4029.3	3906.8	3720.1	3551.8	3376.4	*3255.7*	3272.5	3672.9	2829.6	1963.0
40°	4497.0	4463.8	4350.6	4174.8	3963.3	3750.5	*3621.9*	3584.5	3961.5	2989.1	2016.3
42.5°	4755.6	4725.7	4678.0	4603.6	4425.4	4208.4	*4046.1*	3965.2	4302.9	3179.9	2081.3
45°	4770.1	4743.9	4808.0	4894.6	4859.5	4715.0	*4517.1*	4368.8	4645.7	3359.1	2148.6
47.5°	4538.2	4520.4	4715.0	5017.1	5167.7	5228.5	*5046.1*	4738.8	4928.7	3487.7	2176.2
50°	3905.8	3899.3	4299.6	4854.3	5285.1	5678.4	*5604.1*	5083.0	5148.0	3554.1	2150.0
52.5°	3386.7	3362.8	3596.2	4333.3	5114.4	5915.1	*6149.4*	5420.7	5301.5	3566.7	2088.8
55°	2568.6	2547.6	2840.4	3461.5	4563.9	5830.9	*6548.4*	5769.2	5411.4	3534.5	1978.9
57.5°	*1377.9*	*1364.8*	*1734.7*	*2303.9*	*3567.7*	*5325.8*	*6620.4*	*6137.7*	*5504.0*	*3448.9*	*1825.0*
60°	536.5	534.1	672.6	1117.8	2168.3	4332.8	*6257.0*	6358.9	5562.0	3343.6	1696.4
62.5°	324.6	331.6	354.1	501.8	957.9	2691.7	*5419.3*	6107.3	5600.8	3247.3	1590.2
65°	268.5	268.9	271.7	344.7	458.8	1126.2	*4079.8*	5279.5	5504.9	3075.6	1439.6
67.5°	230.1	234.3	245.1	273.6	323.7	493.9	*2348.8*	4089.6	4921.7	2676.2	1204.8
70°	181.5	187.1	200.6	225.0	249.8	309.2	*868.1*	2721.1	3759.9	2017.2	911.1
72.5°	152.9	152.5	159.5	182.9	198.3	217.5	*333.9*	1524.7	2185.1	963.0	450.9
75°	118.3	123.0	131.9	152.9	162.3	157.6	*181.0*	557.0	782.9	291.8	153.4
77.5°	92.6	96.3	104.3	124.9	134.2	111.8	*104.3*	199.2	251.6	104.8	69.2
80°	41.6	44.9	71.1	92.1	109.4	77.2	*56.6*	102.0	111.8	47.7	35.1
82.5°	7.5	12.6	41.6	48.6	56.1	50.0	*29.5*	52.9	54.7	19.2	12.2
85°	0.5	0.9	14.5	17.8	22.4	16.4	*8.9*	21.0	18.2	6.5	4.7
87.5°	0.0	0.0	0.0	0.5	0.5	2.3	*2.8*	3.7	2.8	2.3	1.9
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°	1827.8	1827.8	1827.8	1827.8	1827.8	1827.8	1827.8	1827.8	1827.8	1827.8
2.5°	1798.3	1731.9	1667.4	1614.5	1583.7	1531.3	1496.7	1491.0	1476.6	1489.2
5°	1763.7	1644.9	1524.7	1417.2	1328.8	1214.6	1129.5	1093.5	1062.2	1072.9
7.5°	1747.4	1559.8	1372.7	1188.9	1000.0	817.6	681.9	625.3	582.3	588.4
10°	1725.4	1471.4	1178.2	897.5	644.5	464.4	370.9	336.3	317.1	317.6
12.5°	1708.5	1365.7	952.3	608.5	392.4	296.5	267.5	259.1	253.5	254.0
15°	1700.1	1241.3	729.2	405.5	280.6	251.2	244.1	240.4	236.7	236.2
17.5°	1686.1	1102.9	533.7	296.1	245.5	235.3	229.2	225.0	220.3	219.4
20°	1665.0	945.7	390.1	250.2	230.1	222.2	213.7	208.1	202.5	201.6
22.5°	1626.2	779.7	299.8	231.5	218.9	210.0	199.7	193.2	187.6	186.6
25°	1554.2	623.9	252.6	219.8	209.1	198.3	187.1	178.2	173.1	172.1
27.5°	1463.0	490.2	229.2	209.1	196.4	186.6	174.0	165.6	160.9	160.0
30°	1355.4	377.4	215.6	196.9	181.5	173.1	161.8	154.8	152.0	152.0
32.5°	1239.4	301.7	210.0	184.7	168.4	159.0	150.1	147.3	146.4	145.9
35°	1130.4	261.9	207.2	174.9	156.7	147.8	144.1	144.5	146.4	146.4
37.5°	1033.6	249.3	205.8	167.9	146.4	138.4	140.8	145.0	143.1	143.1
40°	946.2	250.7	204.9	162.8	138.0	133.3	138.0	134.7	130.0	129.6
42.5°	879.3	262.4	203.0	158.6	132.8	129.6	127.7	122.5	122.1	123.0
45°	830.6	272.7	202.5	156.7	127.2	121.1	118.8	113.7	123.0	125.3
47.5°	773.1	272.7	202.5	150.1	117.9	115.5	111.8	106.2	115.5	117.9
50°	698.8	255.4	194.6	142.7	110.4	109.0	102.4	95.4	93.5	94.9
52.5°	604.7	224.0	174.5	132.4	102.9	100.1	92.1	87.0	85.6	85.6
55°	497.6	187.6	147.3	117.4	94.9	89.8	84.2	81.8	80.4	79.5
57.5°	*404.6*	*153.9*	*118.3*	*104.3*	*87.5*	*80.9*	*79.0*	*76.2*	*73.9*	*72.5*
60°	332.1	121.1	97.8	92.6	80.0	73.9	73.4	69.7	63.6	62.7
62.5°	256.3	88.9	82.3	80.4	72.5	67.3	66.4	58.9	49.6	47.7
65°	181.0	69.2	66.4	70.6	64.5	59.9	57.5	46.3	36.5	35.1
67.5°	127.2	58.0	52.4	61.7	56.1	50.0	48.6	39.3	30.4	29.5
70°	90.7	47.2	43.0	52.9	44.9	44.0	41.2	32.7	24.8	23.9
72.5°	64.1	36.0	33.2	45.8	30.9	37.9	33.7	25.3	18.7	17.8
75°	47.2	25.7	23.4	26.7	22.4	28.5	23.9	16.8	11.7	11.2
77.5°	34.6	16.4	14.0	13.1	13.1	17.8	13.1	7.0	5.1	4.7
80°	24.3	7.5	6.5	5.6	5.1	4.2	1.9	0.9	0.5	0.5
82.5°	14.5	3.3	3.3	2.3	1.4	0.0	0.0	0.0	0.0	0.0
85°	3.3	1.4	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.5	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


HS
SS

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(END OF REPORT)