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: P1199844

Luminaire Tested: GPC-SB2B-827-U-T2R

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1199844
	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-SB2B-827-U-T2R
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II ROADWAY OPTIC
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9972 lumens
Efficiency:	N/A
Efficacy:	134.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B2 - U0 - G2

Input Watts (W):	73.9
Input Voltage (V):	120.0
Input Current (Ain):	0.627
Voltage Rise (V):	NR
Power Factor:	0.988
Total Harmonic Distortion (THDi):	13.593
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

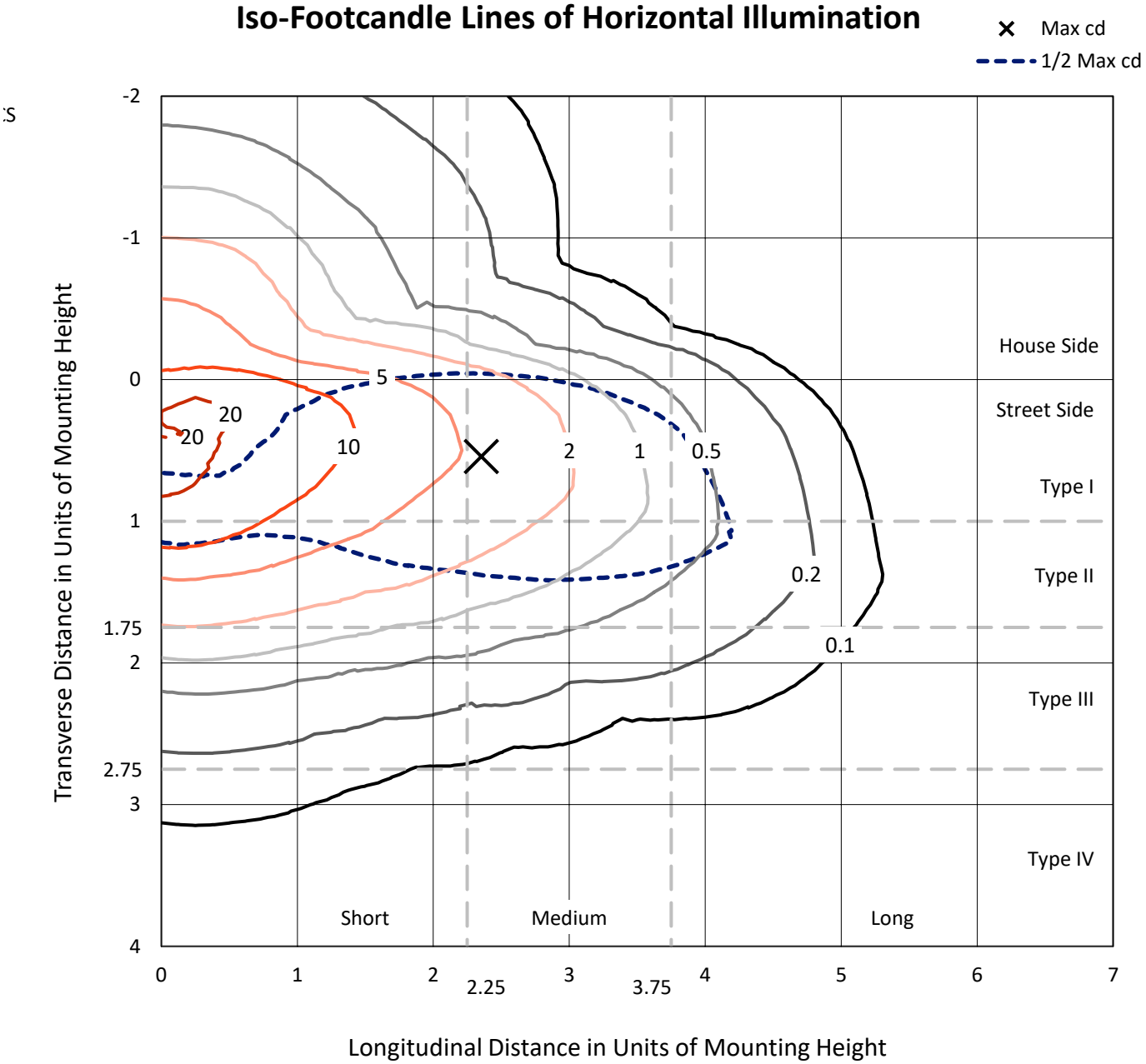


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Iso-Footcandle Lines of Horizontal Illumination



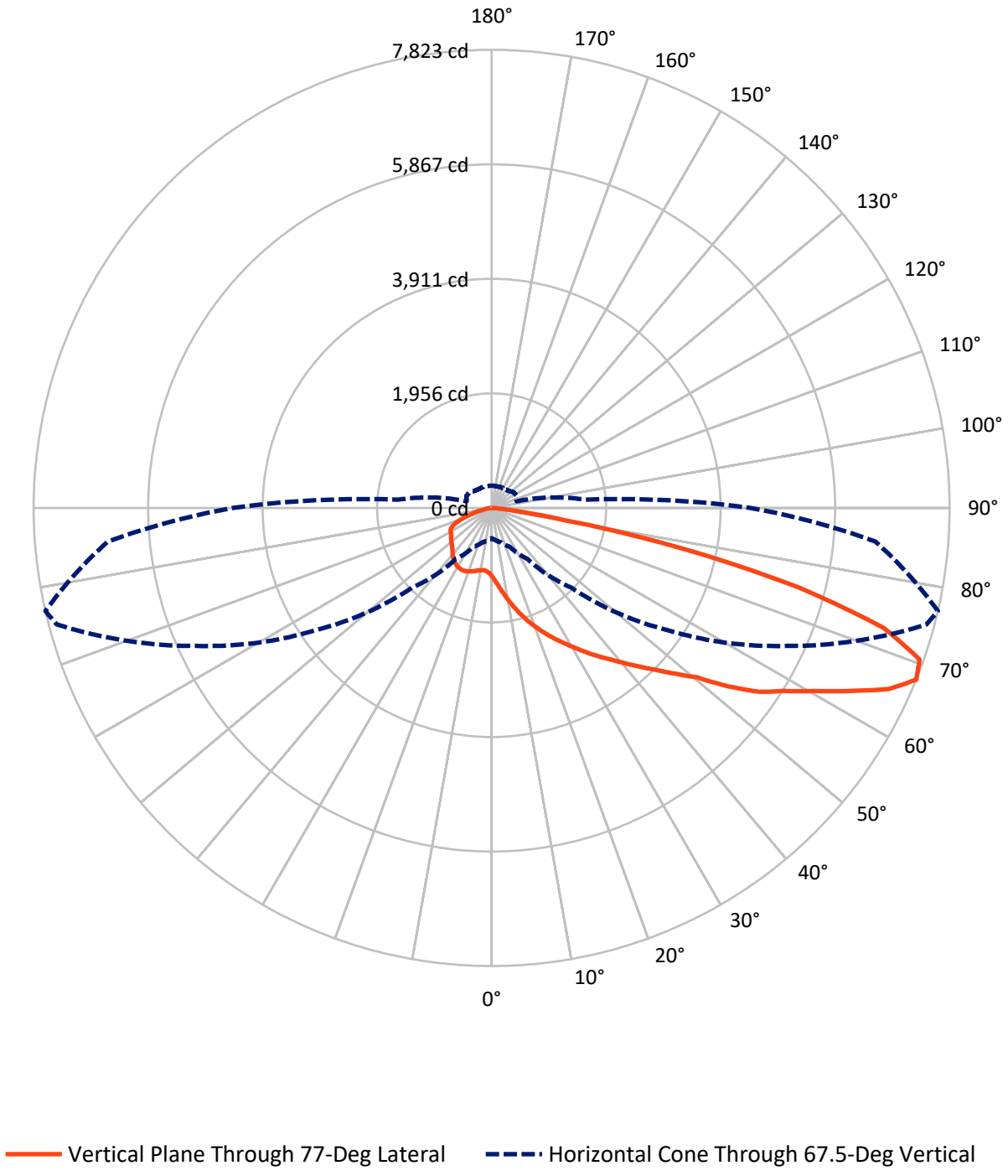
Based on 10 foot mounting height. Maximum calculated value = 22.8 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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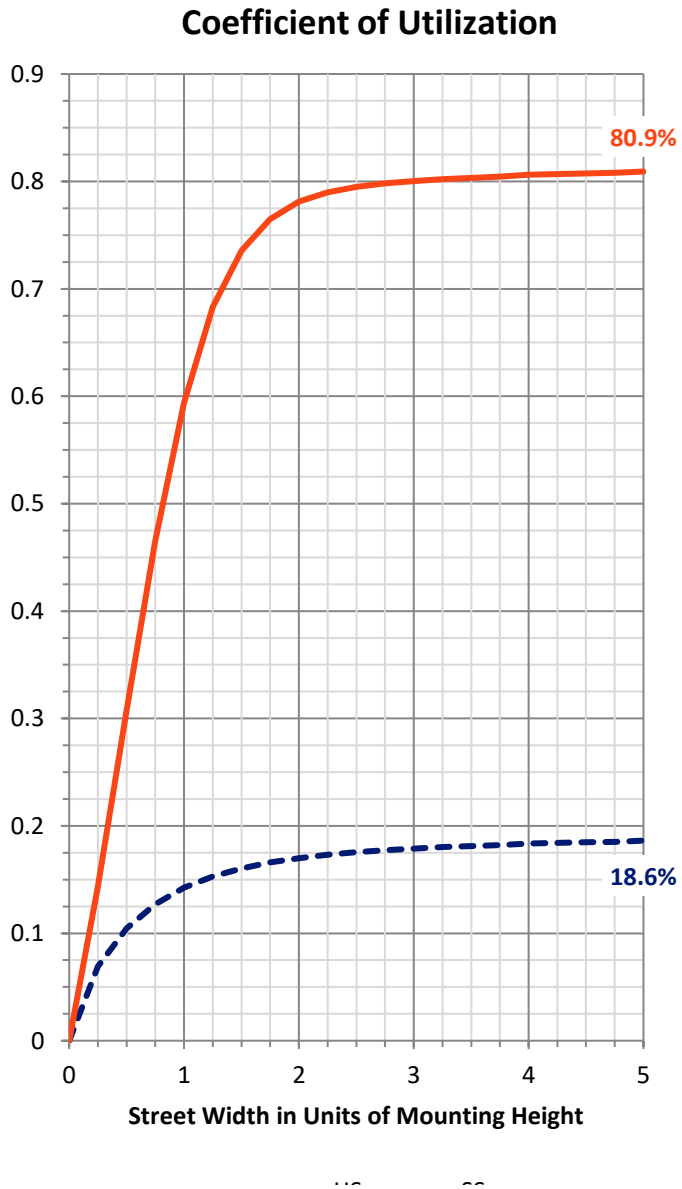
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1886.3	0.0	1886.3
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	8085.7	0.0	8085.7
	% Fixture	81.1	0.0	81.1
Total	Lumens	9972.0	0.0	9972.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.4	1.3
10°-20°	450.6	4.5
20°-30°	850.7	8.5
30°-40°	1370.4	13.7
40°-50°	1874.5	18.8
50°-60°	2114.5	21.2
60°-70°	1973.6	19.8
70°-80°	1081.9	10.8
80°-90°	130.5	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°	9972.0	100.0
0°-180°	9972.0	100.0



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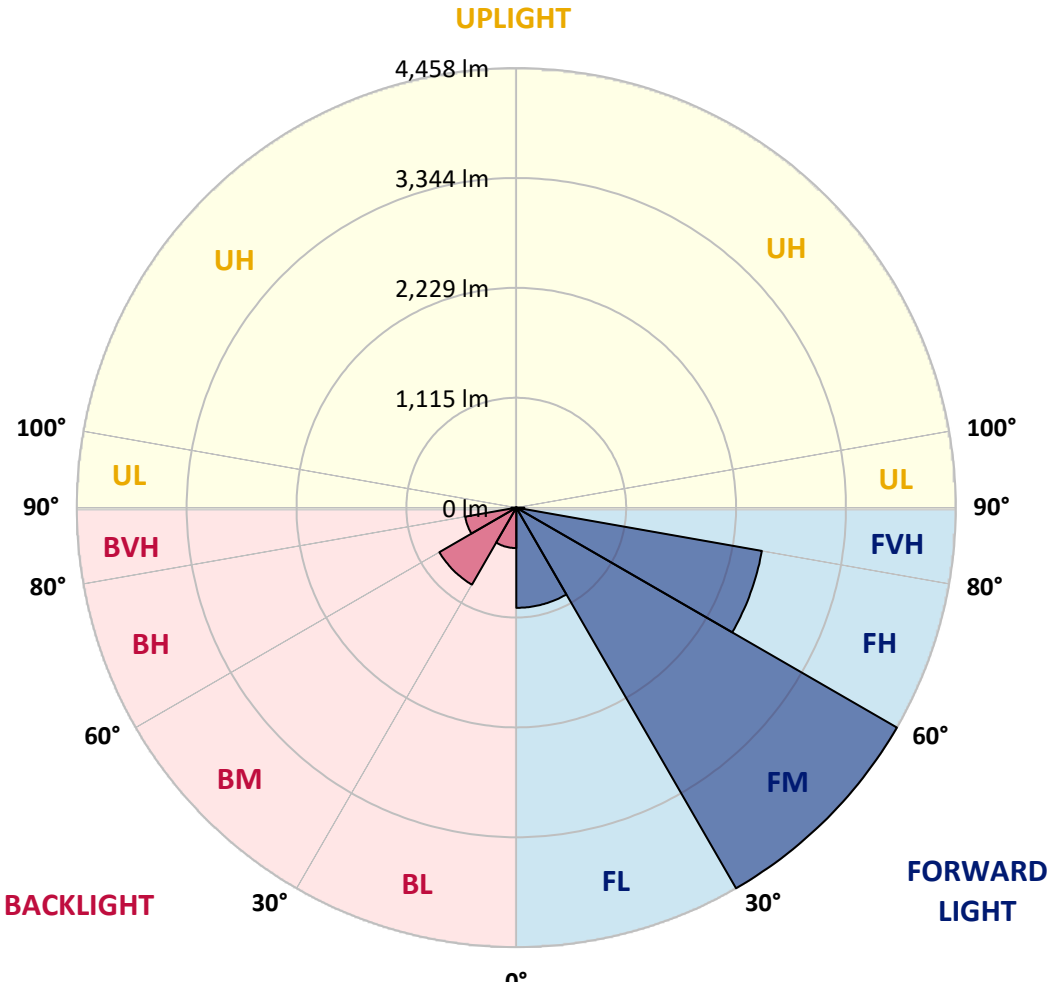
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1016.5	10.2			
FM	(30°-60°)	4458.4	44.7			
FH	(60°-80°)	2529.2	25.4			G2/5000
FVH	(80°-90°)	81.6	0.8			G1/100
BL	(0°-30°)	410.1	4.1	B1/500		
BM	(30°-60°)	901.0	9.0	B1/1000		
BH	(60°-80°)	526.2	5.3	B2/1000		G2/1000
BVH	(80°-90°)	48.9	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1170.0	1170.0	1170.0	1170.0	1170.0	1170.0	1170.0	1170.0	1170.0	*1170.0*	1170.0
2.5°	1465.0	1475.3	1462.4	1462.4	1419.2	1396.5	1353.3	1320.3	1261.1	*1250.8*	1211.7
5°	1731.6	1744.5	1726.5	1718.7	1667.8	1620.9	1548.4	1476.8	1371.3	*1360.5*	1268.3
7.5°	1938.0	1954.5	1938.5	1930.3	1885.0	1832.5	1747.6	1647.7	1499.0	*1477.8*	1344.5
10°	2106.4	2108.9	2103.8	2106.9	2071.4	2028.1	1941.1	1824.8	1639.0	*1610.1*	1436.7
12.5°	2201.6	2213.4	2223.7	2242.2	2236.1	2209.3	2131.1	1992.1	1787.2	*1750.1*	1537.0
15°	2246.4	2267.0	2290.1	2332.8	2367.3	2374.0	2314.3	2171.7	1938.0	*1893.2*	1638.4
17.5°	2262.3	2281.9	2318.4	2380.2	2454.3	2504.3	2477.5	2346.2	2087.3	*2035.8*	1745.0
20°	2343.1	2348.8	2370.9	2429.6	2509.9	2592.8	2612.9	2514.0	2235.0	*2176.9*	1855.2
22.5°	2516.1	2504.8	2510.9	2537.7	2595.4	2675.7	2721.5	2662.3	2386.9	*2320.0*	1966.3
25°	2801.8	2768.8	2735.9	2705.0	2734.3	2779.6	2831.6	2810.5	2546.0	*2461.0*	2078.6
27.5°	3162.6	3122.5	3049.9	2948.5	2913.0	2928.9	2952.1	2948.0	2693.2	*2607.2*	2194.4
30°	3517.8	3471.0	3384.5	3237.8	3144.1	3101.9	3084.4	3072.5	2853.3	*2761.6*	2311.2
32.5°	3801.4	3764.4	3679.4	3515.2	3379.3	3307.3	3249.1	3206.9	3020.5	*2928.9*	2434.8
35°	4049.5	4015.0	3917.8	3738.6	3590.9	3514.2	3438.0	3347.9	3194.5	*3101.9*	2567.6
37.5°	4276.0	4241.5	4108.2	3921.9	3773.1	3720.1	3652.1	3499.3	3369.0	*3281.5*	2708.1
40°	4419.1	4411.4	4286.8	4075.8	3921.4	3895.1	3872.5	3674.8	3562.6	*3481.3*	2862.5
42.5°	4455.7	4472.7	4373.8	4200.4	4053.1	4032.0	4085.1	3873.5	3779.8	*3702.1*	3037.5
45°	4367.6	4416.5	4351.7	4233.8	4146.8	4135.5	4273.4	4090.7	4020.2	*3949.2*	3248.6
47.5°	4144.8	4227.6	4200.9	4184.4	4172.0	4220.9	4439.2	4321.3	4292.5	*4230.7*	3489.5
50°	3694.9	3851.9	3898.7	4002.7	4122.1	4287.3	4590.0	4573.0	4610.6	*4548.3*	3782.9
52.5°	2917.1	3133.3	3405.1	3665.5	3968.7	4265.2	4755.8	4934.4	5092.9	*5059.0*	4249.3
55°	2408.0	2505.3	2714.3	3192.0	3671.2	4172.0	4830.4	5226.3	5571.6	*5541.3*	4602.9
57.5°	2016.8	2103.8	2232.5	2631.4	3221.3	3960.5	4876.7	5404.4	5899.5	*5896.5*	4951.9
60°	1597.3	1689.4	1821.2	2103.8	2695.7	3595.0	4866.4	5607.2	6318.0	*6343.8*	5377.6
62.5°	1123.7	1225.1	1371.3	1634.8	2158.9	3121.4	4656.4	5753.9	6810.6	*6880.7*	5889.8
65°	738.7	805.6	915.7	1143.3	1608.6	2512.5	4255.4	5772.9	7337.8	*7456.1*	6370.5
67.5°	*517.8*	*543.6*	*608.4*	*732.0*	*1060.4*	*1926.7*	*3616.6*	*5575.8*	*7689.3*	*7822.6*	*6579.0*
70°	404.1	416.9	449.9	499.3	666.1	1295.6	2771.4	5063.1	7614.2	*7753.2*	6361.3
72.5°	349.0	361.4	373.7	379.9	446.8	799.9	1877.3	4233.3	6906.4	*7000.6*	5531.0
75°	316.6	319.7	330.0	327.9	340.8	518.9	1083.5	3084.4	5449.1	*5416.7*	4083.0
77.5°	266.1	270.2	287.2	284.7	302.7	354.7	562.6	1990.5	3532.7	*3312.4*	2272.6
80°	225.5	227.5	246.1	243.0	263.0	256.9	287.2	1014.6	1498.4	*1269.4*	655.3
82.5°	78.2	96.8	187.9	193.5	200.8	155.5	165.7	413.9	457.6	*350.5*	137.4
85°	38.1	40.7	95.7	135.9	135.4	78.2	80.8	147.7	144.1	*113.2*	45.8
87.5°	6.2	7.7	11.3	53.0	42.2	20.6	27.8	28.8	29.9	*25.7*	10.3
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°	1170.0	1170.0	1170.0	1170.0	1170.0	1170.0	1170.0	1170.0	1170.0	1170.0	1170.0
2.5°	1182.9	1157.2	1103.1	1053.2	1014.1	976.5	955.4	937.4	927.1	925.0	925.0
5°	1214.8	1161.8	1063.5	980.6	926.5	886.4	865.3	851.9	845.2	841.1	840.6
7.5°	1260.6	1182.9	1042.9	948.7	892.1	863.2	852.4	850.4	849.9	850.4	851.9
10°	1323.9	1217.4	1040.8	941.0	893.6	877.6	877.1	877.6	879.7	880.2	880.7
12.5°	1392.4	1252.9	1049.1	947.7	913.2	904.4	902.9	902.4	903.9	904.9	905.4
15°	1467.0	1299.7	1063.0	962.1	934.8	925.5	924.0	920.9	920.4	919.9	919.3
17.5°	1543.7	1346.1	1078.4	977.5	948.7	935.8	930.2	922.9	917.3	915.7	917.3
20°	1621.5	1391.9	1089.2	985.2	949.7	931.7	920.4	908.0	898.2	892.6	894.6
22.5°	1704.3	1439.8	1095.9	983.2	940.4	915.7	895.1	880.7	865.8	856.0	856.5
25°	1785.2	1481.4	1095.4	972.4	922.4	891.0	864.8	846.2	825.7	815.4	815.4
27.5°	1862.9	1519.0	1082.5	953.3	896.7	861.7	830.3	808.2	788.1	778.3	777.8
30°	1943.2	1550.4	1062.4	925.5	866.3	827.7	793.2	774.2	756.2	746.9	746.4
32.5°	2023.0	1579.3	1034.1	891.0	831.3	794.3	760.3	742.8	732.0	732.0	732.5
35°	2107.4	1599.3	996.6	850.9	794.3	758.7	732.0	721.7	720.6	714.5	712.9
37.5°	2196.4	1612.2	950.7	809.7	757.7	724.3	716.0	703.7	693.4	680.0	677.9
40°	2290.1	1625.1	895.7	767.0	719.1	700.6	697.0	680.5	651.2	618.2	613.6
42.5°	2403.9	1633.8	838.5	724.3	678.4	672.3	677.4	649.1	602.3	577.5	578.1
45°	2535.7	1648.2	786.0	682.0	636.7	636.7	658.4	621.3	582.7	567.3	569.8
47.5°	2706.6	1681.7	737.1	635.7	598.1	608.4	616.2	587.8	566.2	547.2	546.7
50°	2953.6	1762.0	686.7	588.9	568.8	589.4	578.6	562.1	536.9	521.4	519.9
52.5°	3260.4	1809.3	641.9	546.7	543.6	564.2	548.7	533.3	514.2	493.6	489.5
55°	3469.4	1818.1	604.3	515.8	526.6	524.5	518.9	505.0	494.7	467.4	467.9
57.5°	3703.1	1835.6	573.4	497.2	515.8	493.1	491.1	479.2	465.8	447.3	441.1
60°	3982.6	1862.9	546.7	490.0	506.5	472.5	462.2	457.6	444.2	435.0	437.5
62.5°	4287.3	1887.6	519.4	491.1	495.7	452.5	437.0	435.5	427.2	424.2	424.2
65°	4495.3	1820.2	485.4	490.0	478.7	431.9	412.3	411.8	405.1	404.1	403.6
67.5°	*4422.7*	*1606.5*	*439.6*	*475.6*	*461.2*	*411.3*	*389.7*	*387.6*	*378.9*	*379.4*	*379.4*
70°	4059.3	1301.8	376.3	440.1	439.6	392.8	366.0	359.3	347.5	349.5	351.6
72.5°	3377.8	964.6	291.3	380.9	405.1	375.8	338.7	327.9	313.0	315.0	314.5
75°	2439.4	655.8	212.1	289.8	352.6	355.7	311.9	293.4	275.4	278.5	279.5
77.5°	1248.3	371.6	156.0	199.7	276.9	323.3	287.7	263.0	258.9	287.7	283.6
80°	407.2	186.3	108.1	140.0	181.7	264.6	252.2	223.9	222.9	229.6	197.1
82.5°	121.5	78.8	69.5	92.1	100.4	202.8	217.7	169.4	145.7	153.4	158.5
85°	41.7	38.1	39.6	45.8	47.9	118.9	152.4	112.2	106.0	116.8	115.3
87.5°	9.8	13.4	11.3	10.3	10.3	28.8	59.2	46.8	64.9	43.2	41.7
90°	0.0	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)