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: P1199848

Luminaire Tested: GPC-SB2B-827-U-T3R

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1199848
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB2B-827-U-T3R
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III ROADWAY OPTI(
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10051 lumens
Efficiency:	N/A
Efficacy:	136.0 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - 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

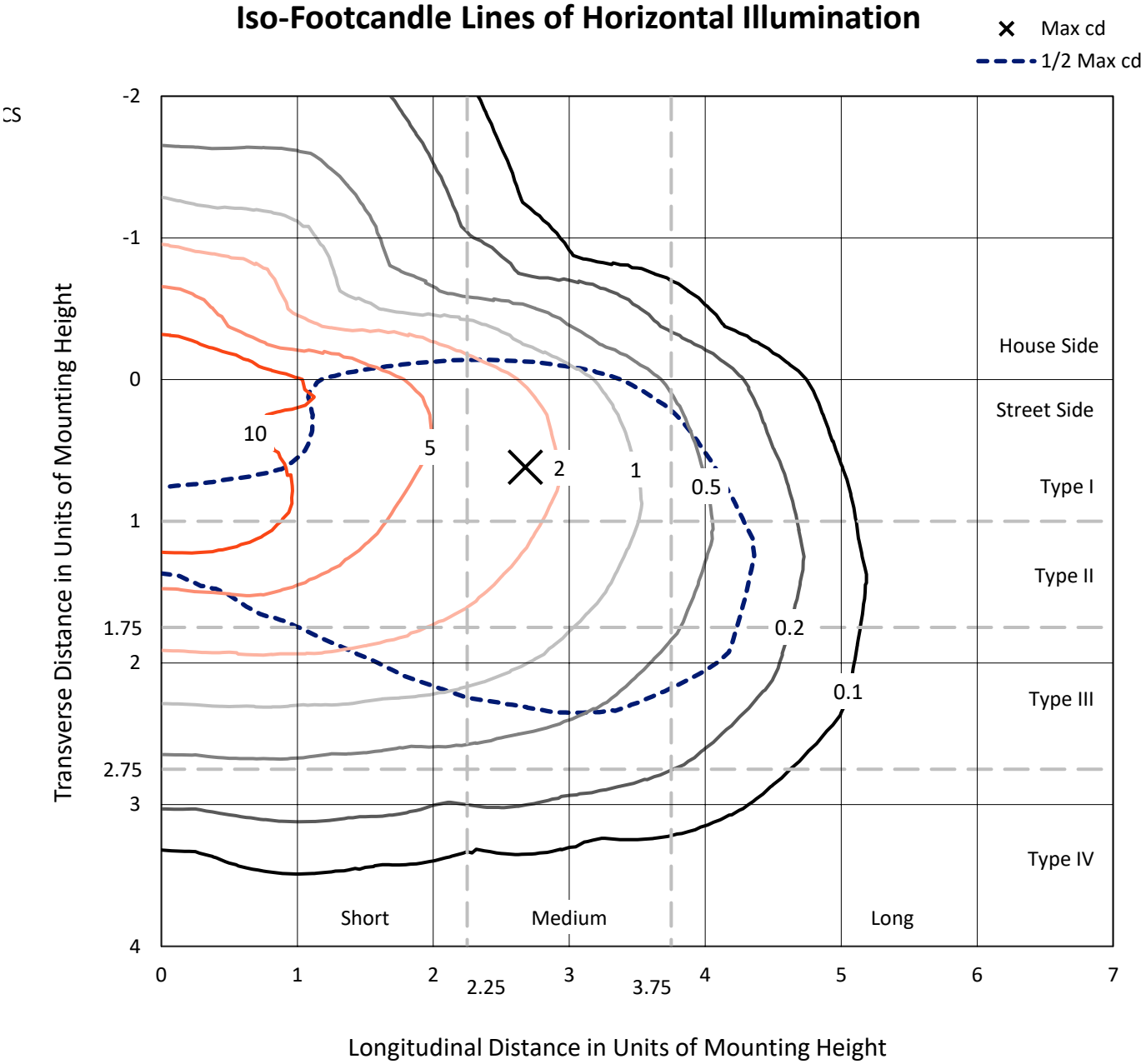


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Iso-Footcandle Lines of Horizontal Illumination



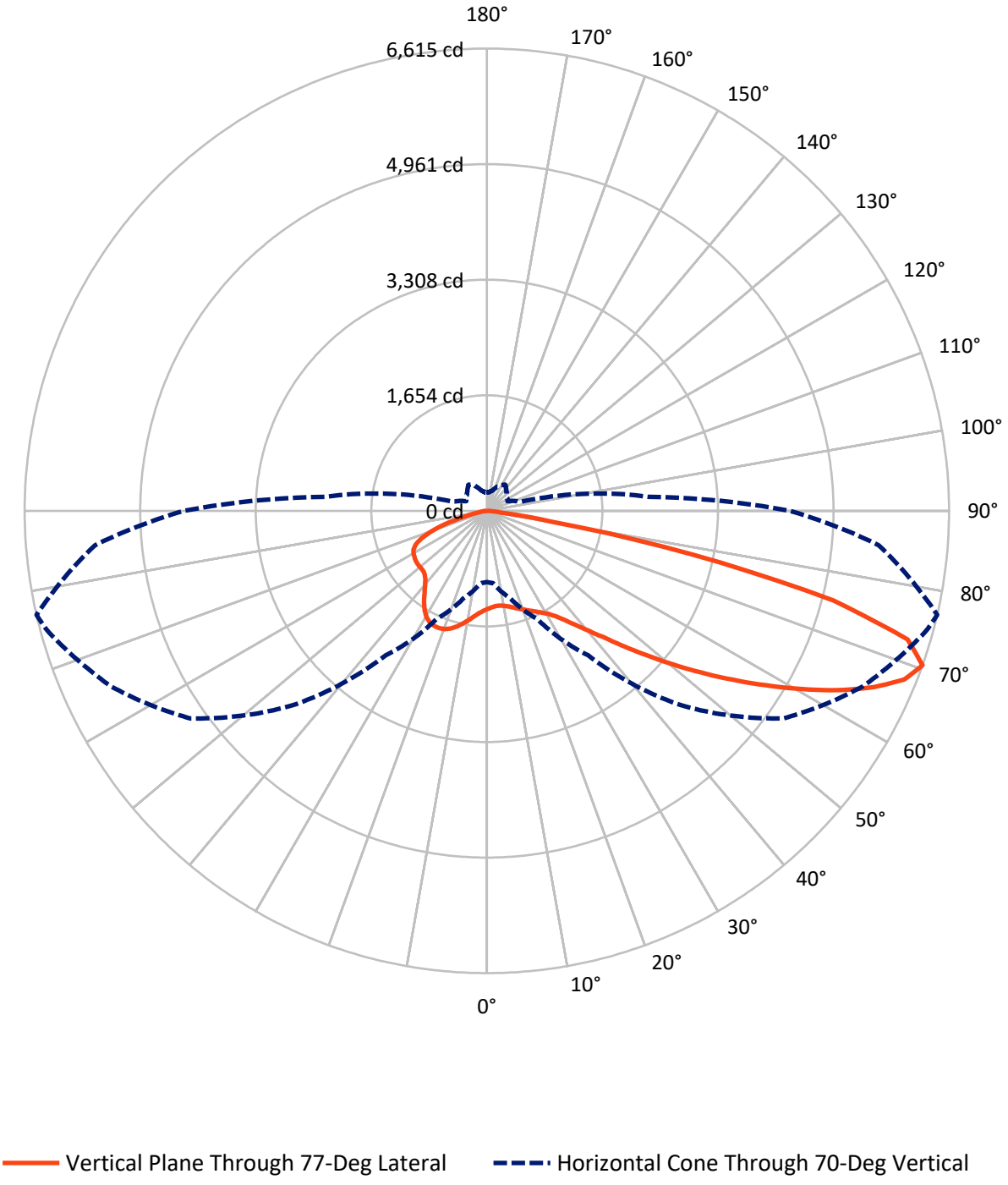
Based on 10 foot mounting height. Maximum calculated value = 16.6 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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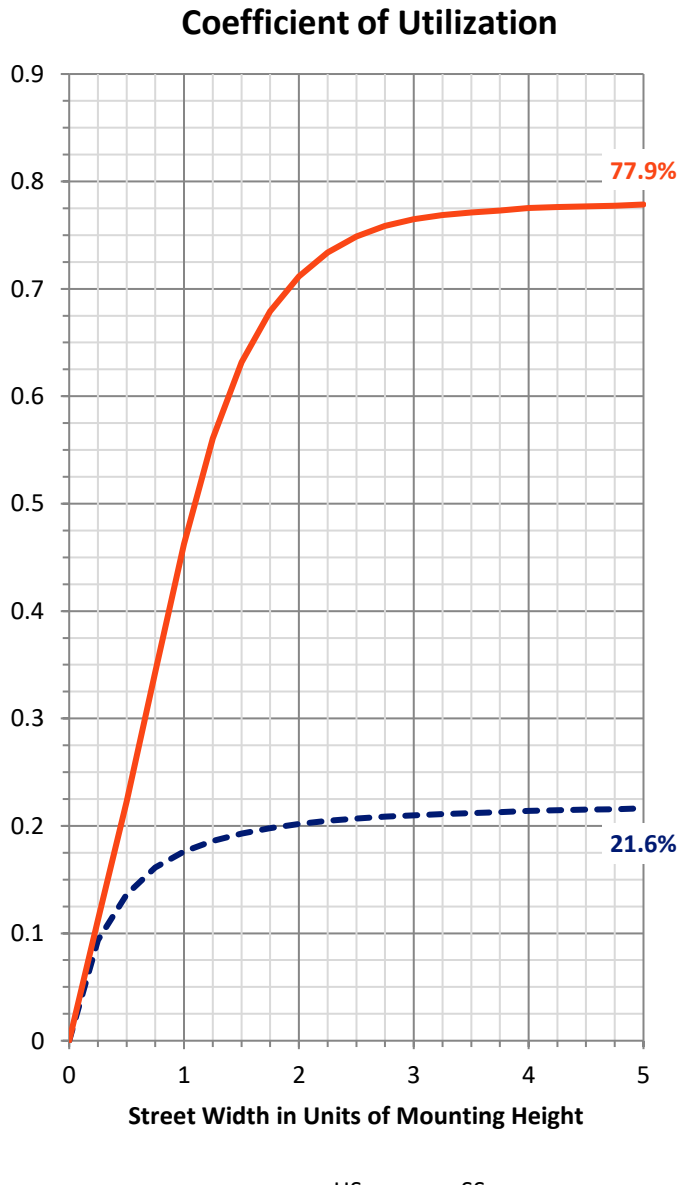
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2201.0	0.0	2201.0
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	7850.0	0.0	7850.0
	% Fixture	78.1	0.0	78.1
Total	Lumens	10051.0	0.0	10051.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.7	1.3
10°-20°	386.0	3.8
20°-30°	660.1	6.6
30°-40°	1061.4	10.6
40°-50°	1657.2	16.5
50°-60°	2213.6	22.0
60°-70°	2359.4	23.5
70°-80°	1452.4	14.5
80°-90°	127.3	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°	10051.0	100.0
0°-180°	10051.0	100.0



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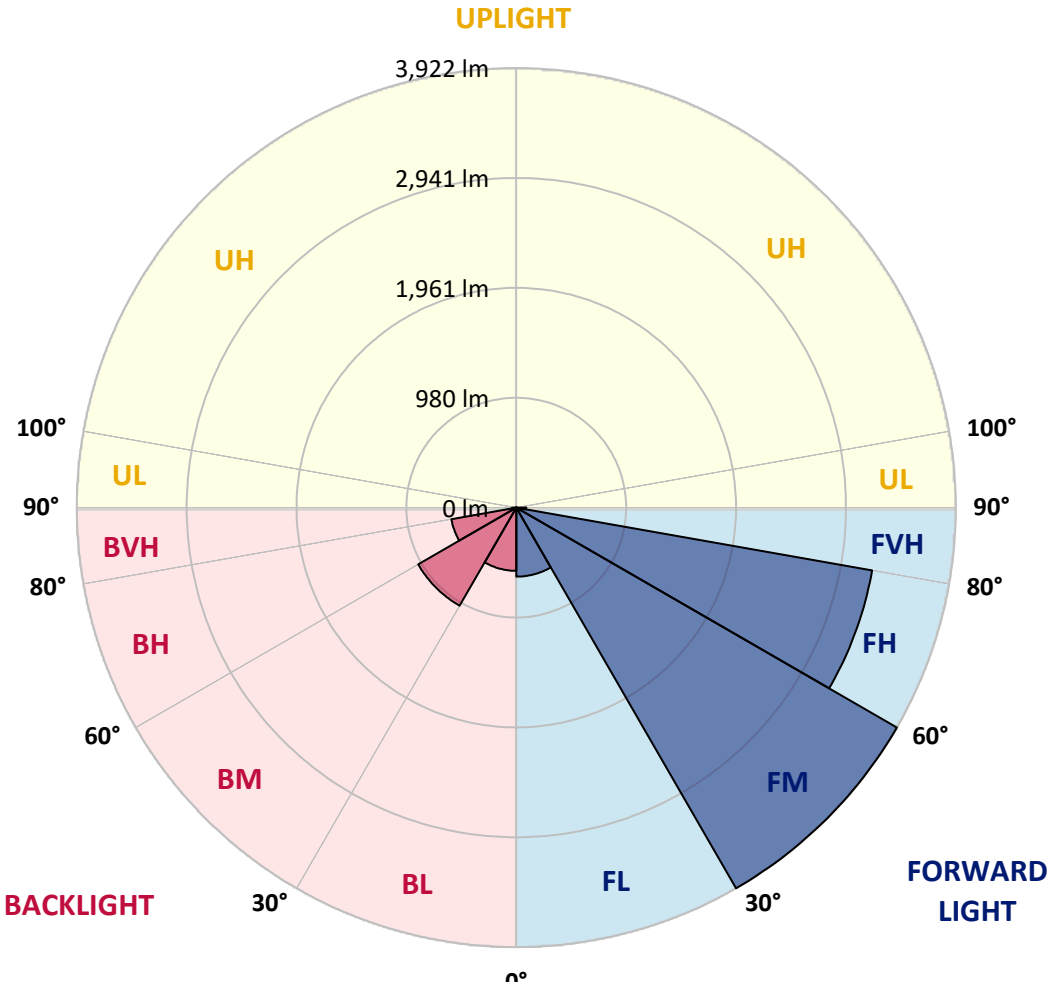
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	615.8	6.1			
FM	(30°-60°)	3921.7	39.0			
FH	(60°-80°)	3223.5	32.1			G2/5000
FVH	(80°-90°)	89.0	0.9			G1/100
BL	(0°-30°)	564.0	5.6	B2/1000		
BM	(30°-60°)	1010.5	10.1	B2/2500		
BH	(60°-80°)	588.2	5.9	B2/1000		G2/1000
BVH	(80°-90°)	38.3	0.4			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	*1402.2*	1402.2
2.5°	1292.6	1292.0	1298.7	1300.8	1313.2	1321.9	1338.4	1355.9	1378.5	*1381.1*	1395.0
5°	1217.9	1217.9	1225.6	1233.9	1249.8	1267.3	1292.6	1322.9	1362.1	*1368.2*	1402.7
7.5°	1154.6	1158.7	1165.4	1181.4	1199.9	1225.1	1263.7	1307.0	1358.5	*1368.2*	1423.8
10°	1103.6	1108.3	1116.5	1129.4	1157.2	1192.2	1242.6	1298.2	1367.2	*1382.6*	1454.7
12.5°	1087.7	1092.3	1097.0	1106.7	1132.5	1173.7	1233.9	1302.3	1388.3	*1403.8*	1496.9
15°	1124.8	1130.4	1126.8	1124.2	1137.6	1175.2	1238.0	1317.3	1414.6	*1436.7*	1548.9
17.5°	1210.2	1212.3	1204.0	1179.8	1177.8	1197.8	1257.6	1337.9	1447.5	*1471.7*	1601.4
20°	1348.2	1344.6	1327.6	1279.7	1252.4	1248.3	1291.0	1368.7	1481.5	*1507.2*	1658.0
22.5°	1535.5	1531.4	1497.4	1421.8	1361.0	1320.9	1339.4	1408.9	1519.6	*1548.4*	1713.1
25°	1769.2	1763.6	1713.6	1610.7	1516.5	1417.1	1405.3	1461.9	1566.4	*1593.2*	1770.8
27.5°	2042.1	2037.4	1983.4	1847.5	1711.6	1548.9	1487.1	1524.2	1615.3	*1645.7*	1835.6
30°	2335.5	2348.8	2253.1	2106.9	1935.0	1720.8	1597.3	1600.9	1678.6	*1705.9*	1914.4
32.5°	2680.4	2703.5	2588.2	2402.9	2168.2	1907.7	1736.3	1708.0	1770.8	*1793.4*	2013.7
35°	3022.2	3048.4	2952.7	2747.8	2477.5	2128.0	1881.4	1831.0	1893.3	*1918.0*	2145.5
37.5°	3317.6	3352.6	3303.2	3125.1	2808.5	2393.6	2070.9	1975.6	2044.1	*2075.0*	2322.6
40°	3550.8	3604.3	3600.7	3489.6	3198.7	2715.9	2311.3	2154.3	2231.5	*2264.9*	2537.3
42.5°	3740.2	3786.6	3826.7	3821.1	3605.9	3081.9	2593.9	2386.4	2445.1	*2483.7*	2778.7
45°	3871.0	3920.4	4006.9	4100.1	3997.6	3473.6	2917.7	2661.8	2715.4	*2773.5*	3066.4
47.5°	3987.8	4044.0	4156.2	4303.9	4330.2	3866.9	3272.3	2982.5	3031.4	*3091.6*	3355.2
50°	3998.1	4046.5	4220.5	4430.0	4566.4	4244.7	3653.3	3342.3	3388.2	*3452.5*	3664.6
52.5°	3749.5	3825.7	4129.4	4426.4	4675.1	4560.8	4031.6	3716.6	3768.0	*3845.3*	3984.8
55°	2910.5	3022.2	3862.2	4288.5	4636.4	4765.1	4391.4	4114.5	4180.4	*4261.2*	4307.0
57.5°	2506.9	2555.8	3065.9	4037.3	4460.4	4818.2	4695.1	4516.5	4622.5	*4711.1*	4647.8
60°	2253.1	2293.8	2595.4	3646.6	4228.8	4734.2	4929.9	4891.2	5074.5	*5180.0*	4996.3
62.5°	1981.3	2019.9	2294.3	3044.8	3932.3	4594.7	5078.1	5237.2	5537.8	*5653.1*	5324.7
65°	1711.6	1744.5	2007.6	2558.4	3555.4	4455.2	5154.8	5536.2	5966.6	*6086.0*	5597.5
67.5°	1411.0	1438.2	1686.9	2158.4	3097.3	4264.3	5192.9	5771.5	6339.8	*6442.2*	5732.4
70°	*1018.2*	*1039.3*	*1296.2*	*1706.9*	*2522.3*	*3935.9*	*5177.5*	*5938.3*	*6533.3*	*6615.2*	*5630.4*
72.5°	481.3	500.3	802.0	1108.3	1781.6	3296.5	4865.0	5806.0	6336.7	*6296.0*	5006.6
75°	256.9	273.3	460.7	607.9	941.0	2259.8	3981.2	5001.4	5321.1	*5123.4*	3700.1
77.5°	174.0	186.9	285.2	365.0	429.8	1072.8	2558.9	3462.8	3331.5	*3005.2*	1853.1
80°	138.0	151.3	233.7	247.1	208.0	387.6	1057.3	1603.0	1151.5	*920.9*	527.1
82.5°	106.0	121.0	196.6	179.1	113.2	159.1	307.8	507.0	295.0	*224.4*	127.7
85°	64.9	80.8	154.4	114.3	63.8	72.6	104.5	141.0	90.1	*75.2*	45.8
87.5°	32.9	46.3	78.2	41.7	28.8	17.0	27.8	27.8	23.7	*20.6*	11.8
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°	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2
2.5°	1407.4	1417.6	1435.2	1451.6	1464.5	1476.8	1489.2	1495.9	1498.0	1506.2	1510.8
5°	1423.8	1442.9	1476.8	1508.8	1528.8	1541.2	1549.9	1555.1	1556.1	1558.7	1562.8
7.5°	1454.2	1484.6	1531.9	1563.8	1578.8	1577.7	1574.1	1561.3	1556.1	1551.5	1552.5
10°	1496.9	1537.1	1595.2	1617.4	1608.1	1583.4	1551.5	1513.9	1496.4	1479.4	1474.3
12.5°	1549.9	1600.9	1658.0	1657.0	1611.2	1547.9	1473.8	1416.1	1379.6	1353.3	1347.1
15°	1614.3	1673.0	1716.7	1681.7	1581.3	1467.6	1359.0	1283.8	1250.9	1222.0	1219.0
17.5°	1680.7	1743.5	1763.6	1674.0	1506.2	1348.7	1225.6	1166.4	1134.0	1118.6	1123.2
20°	1745.6	1807.8	1791.4	1629.7	1391.9	1213.8	1104.2	1071.7	1065.0	1068.6	1067.1
22.5°	1814.0	1869.6	1797.0	1544.3	1246.2	1075.8	1015.6	1016.7	1031.6	1042.4	1045.0
25°	1884.0	1921.6	1782.1	1420.7	1089.7	974.4	959.5	976.0	1005.3	1026.4	1032.1
27.5°	1951.5	1967.9	1749.7	1267.9	955.4	901.9	904.4	938.4	982.7	1012.0	1019.2
30°	2027.6	2009.1	1687.4	1095.9	862.2	839.6	861.2	900.8	945.1	971.4	977.5
32.5°	2113.6	2044.6	1588.5	936.9	796.3	789.6	825.2	850.9	870.5	878.2	882.3
35°	2220.7	2094.6	1461.9	825.2	737.1	753.1	787.1	774.2	766.5	762.4	766.5
37.5°	2359.7	2162.0	1313.7	752.6	689.3	726.8	740.7	700.6	670.2	655.3	658.9
40°	2527.0	2260.8	1171.1	696.5	658.9	704.2	680.0	631.6	593.0	571.9	573.4
42.5°	2712.8	2364.3	1051.1	654.3	641.9	685.7	635.2	577.6	515.3	508.6	515.3
45°	2907.9	2470.8	969.3	621.8	633.7	669.7	609.5	516.3	472.0	499.3	513.7
47.5°	3103.0	2568.7	919.9	597.6	629.6	651.7	586.8	482.3	450.9	490.6	509.1
50°	3320.2	2656.2	897.7	580.1	624.9	644.5	552.9	473.6	428.8	455.0	474.6
52.5°	3535.9	2724.1	881.3	562.6	618.2	638.8	536.4	463.3	402.0	403.6	414.4
55°	3751.1	2768.4	863.3	539.5	603.3	626.5	534.8	452.0	382.0	374.7	379.9
57.5°	3980.6	2793.6	841.1	513.7	577.6	595.1	533.3	443.2	375.8	363.9	365.5
60°	4214.3	2830.7	812.3	482.3	543.1	557.5	529.7	440.1	372.2	352.1	353.6
62.5°	4423.8	2843.5	777.8	452.5	498.8	520.4	522.0	437.5	362.4	327.9	327.9
65°	4561.3	2787.9	717.6	418.5	450.9	482.3	507.0	428.8	344.9	310.4	310.4
67.5°	4555.6	2629.4	623.4	374.7	404.6	440.1	485.4	413.9	323.8	288.8	290.3
70°	*4343.5*	*2316.4*	*504.0*	*323.8*	*353.6*	*394.8*	*457.6*	*391.7*	*298.6*	*265.1*	*268.2*
72.5°	3725.3	1813.0	366.0	264.1	294.4	348.0	421.6	365.0	272.8	244.0	242.5
75°	2661.3	1147.4	248.1	202.8	229.1	295.0	376.8	333.6	249.1	245.0	231.1
77.5°	1359.5	548.2	164.2	148.3	159.6	232.7	316.6	298.0	252.7	202.3	180.2
80°	442.2	202.3	103.5	100.9	106.0	154.9	245.0	244.5	191.5	137.4	121.5
82.5°	141.0	87.0	67.4	64.9	62.3	97.3	170.9	193.5	129.2	87.0	86.5
85°	56.1	52.0	39.6	36.5	26.3	45.8	89.6	128.7	96.3	62.8	64.3
87.5°	20.6	20.6	10.8	7.7	5.7	15.4	24.2	38.6	55.1	32.4	31.9
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)