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: P1202723

Luminaire Tested: GWC-SB2A-827-U-T2

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202723
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2A-827-U-T2
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7727 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):	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

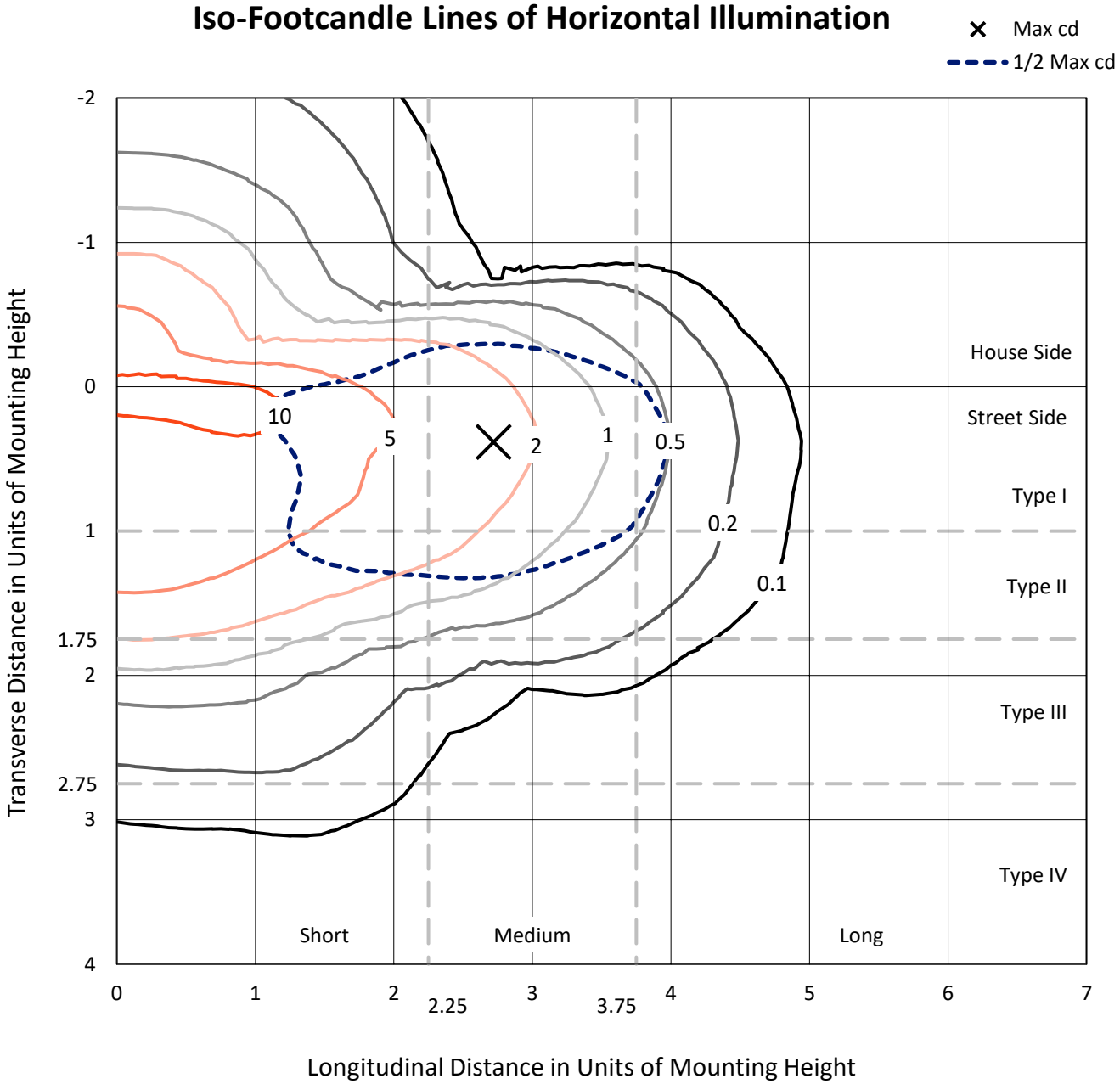


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Iso-Footcandle Lines of Horizontal Illumination



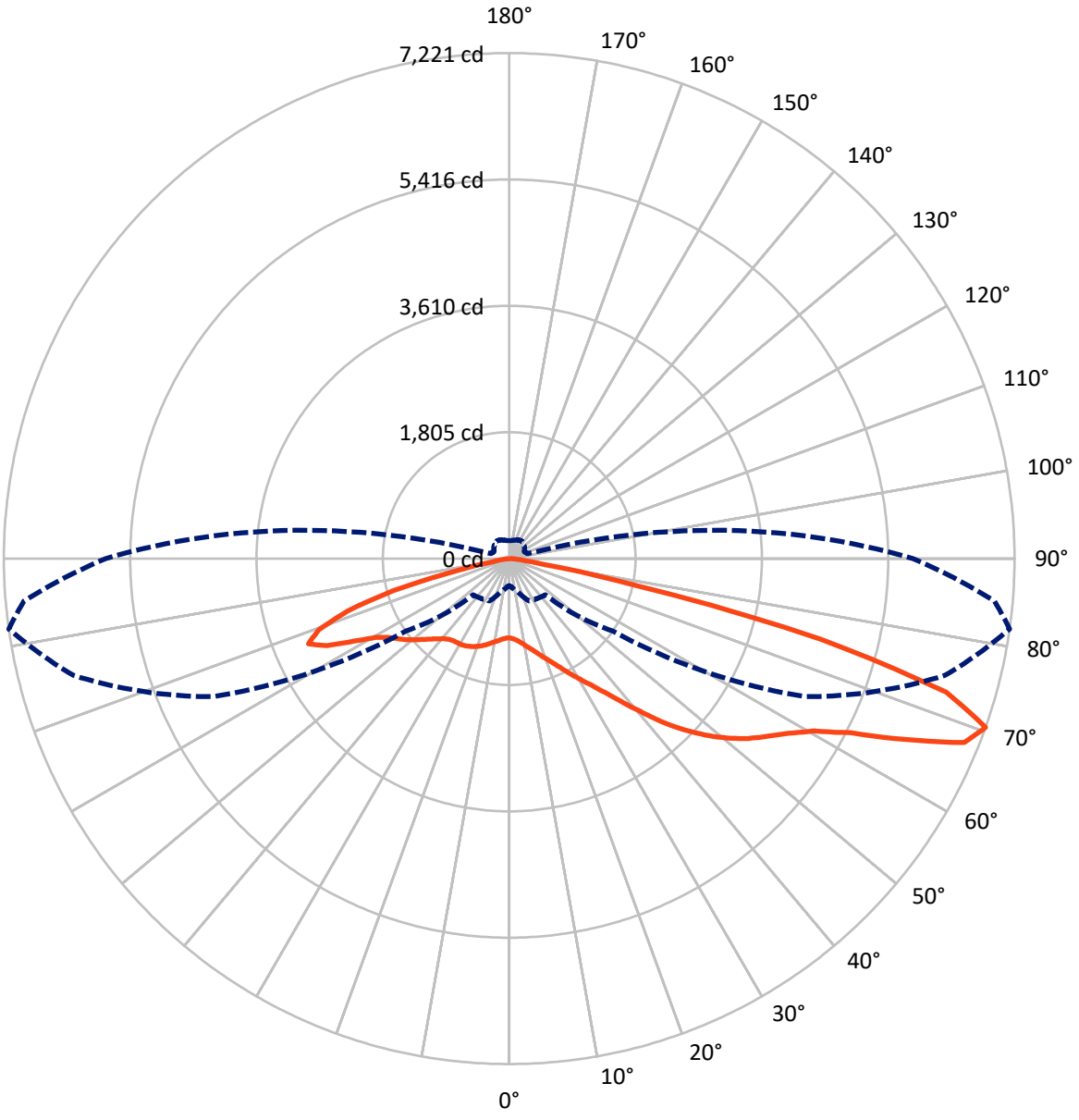
Based on 10 foot mounting height. Maximum calculated value = 12.9 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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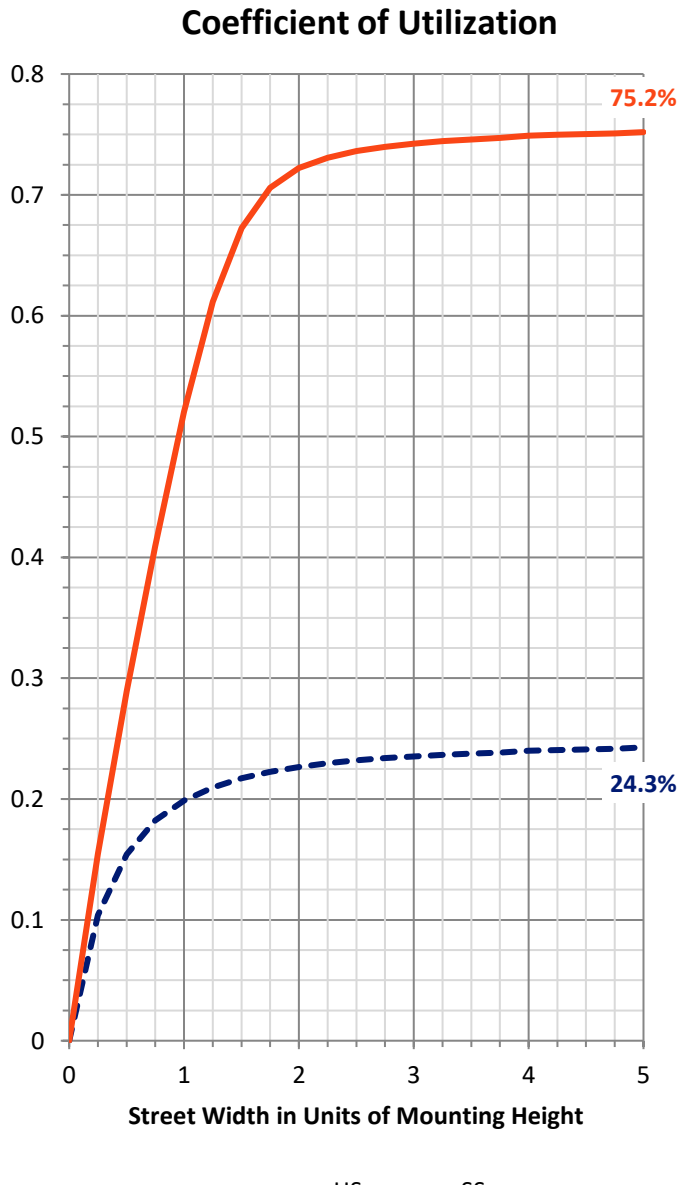
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1904.9	0.0	1904.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	5822.1	0.0	5822.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	7727.0	0.0	7727.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.0	1.4
10°-20°	307.3	4.0
20°-30°	514.1	6.7
30°-40°	803.2	10.4
40°-50°	1279.1	16.6
50°-60°	1780.1	23.0
60°-70°	1862.0	24.1
70°-80°	973.2	12.6
80°-90°	101.1	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°	7727.0	100.0
0°-180°	7727.0	100.0



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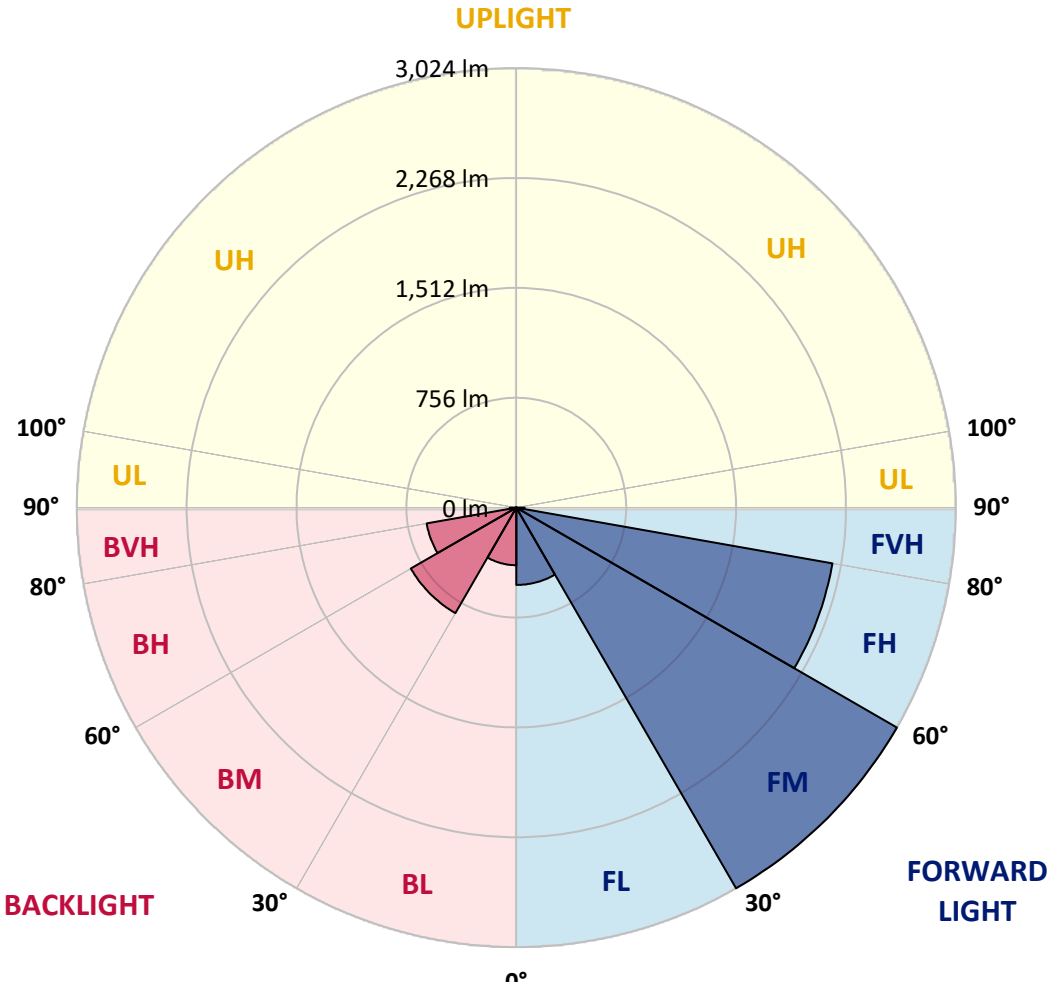
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	532.1	6.9			
FM	(30°-60°)	3024.3	39.1			
FH	(60°-80°)	2209.2	28.6			G2/5000
FVH	(80°-90°)	56.6	0.7			G1/100
BL	(0°-30°)	396.3	5.1	B1/500		
BM	(30°-60°)	838.1	10.8	B1/1000		
BH	(60°-80°)	626.0	8.1	B2/1000		G2/1000
BVH	(80°-90°)	44.5	0.6			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°	82°	85°
0°	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9	*1132.9*	1132.9
2.5°	1159.9	1166.5	1164.4	1162.4	1162.4	1159.5	1159.1	1155.0	1151.7	*1146.4*	1145.2
5°	1174.7	1181.7	1180.8	1182.5	1187.8	1189.0	1190.3	1187.8	1181.3	*1174.7*	1171.8
7.5°	1161.6	1169.4	1171.8	1181.7	1198.1	1212.8	1223.9	1228.4	1222.3	*1212.8*	1208.3
10°	1117.3	1125.9	1134.5	1157.9	1187.0	1221.8	1251.4	1269.0	1267.8	*1258.7*	1251.0
12.5°	1027.5	1036.5	1055.0	1100.5	1153.8	1215.3	1270.2	1307.1	1319.8	*1313.3*	1299.8
15°	955.7	963.5	977.5	1024.2	1093.5	1187.0	1277.2	1349.0	1381.3	*1377.7*	1361.3
17.5°	953.7	957.0	965.6	987.7	1041.0	1142.7	1269.8	1390.0	1451.9	*1451.5*	1431.0
20°	989.8	991.0	995.9	1000.4	1030.8	1109.1	1251.0	1424.0	1531.0	*1531.0*	1508.9
22.5°	1039.8	1039.0	1043.9	1039.8	1054.6	1106.2	1239.1	1453.9	1619.2	*1625.7*	1597.8
25°	1114.8	1110.7	1109.5	1100.1	1102.9	1132.9	1252.2	1487.9	1723.7	*1737.2*	1702.4
27.5°	1214.9	1208.3	1203.8	1182.1	1174.7	1187.8	1292.4	1529.0	1840.2	*1863.5*	1819.2
30°	1345.3	1333.4	1326.8	1289.1	1262.4	1264.5	1353.1	1583.5	1961.9	*1999.6*	1943.5
32.5°	1523.2	1504.8	1487.1	1425.2	1376.4	1360.4	1431.4	1658.9	2094.0	*2154.2*	2082.1
35°	1722.5	1707.7	1688.9	1593.3	1518.3	1481.4	1537.2	1764.3	2248.5	*2344.1*	2250.2
37.5°	1914.4	1901.7	1910.7	1781.9	1685.2	1631.5	1675.7	1905.8	2439.2	*2580.2*	2460.9
40°	2112.8	2103.0	2104.2	1981.2	1868.4	1808.2	1843.8	2083.3	2657.7	*2861.1*	2714.3
42.5°	2328.5	2321.1	2296.5	2187.4	2060.7	2004.6	2037.4	2288.3	2892.3	*3180.9*	2992.3
45°	2570.0	2565.5	2542.5	2417.5	2272.3	2209.2	2253.4	2514.6	3128.0	*3481.9*	3271.5
47.5°	2778.7	2782.4	2779.5	2674.1	2523.6	2431.0	2483.9	2750.8	3347.4	*3764.8*	3539.3
50°	2879.1	2898.4	2926.7	2893.9	2800.4	2706.1	2716.4	2978.8	3556.5	*4030.0*	3795.9
52.5°	2826.7	2863.1	2940.2	2992.7	3028.8	3009.1	2981.6	3205.1	3753.3	*4269.5*	4038.7
55°	2631.1	2682.3	2810.3	2936.9	3121.0	3264.1	3300.2	3456.0	3945.2	*4480.2*	4268.3
57.5°	2274.8	2358.0	2472.8	2729.1	3039.0	3387.6	3671.7	3804.1	4148.5	*4705.3*	4508.5
60°	1663.8	1775.4	1918.1	2299.4	2752.0	3321.5	3987.8	4338.8	4437.6	*4996.9*	4821.4
62.5°	1064.8	1133.7	1264.9	1624.1	2144.4	2983.3	4084.6	5007.1	4927.6	*5474.9*	5290.4
65°	729.0	773.3	893.4	1095.2	1386.3	2220.6	3825.5	5508.2	5705.8	*6232.7*	6092.4
67.5°	529.7	563.4	665.9	842.6	903.3	1314.1	2968.5	5485.2	6462.3	*7013.3*	6795.2
70°	*386.2*	*410.0*	*496.1*	*665.9*	*695.0*	*731.1*	*1798.3*	*4662.7*	*6445.9*	*7220.8*	*6959.6*
72.5°	286.2	302.6	360.4	516.6	562.5	493.7	890.1	3388.8	5538.9	*6531.1*	6321.6
75°	207.1	219.4	262.0	395.3	450.2	376.0	444.0	1980.4	3863.6	*4594.2*	4631.1
77.5°	158.3	167.7	195.6	289.5	360.4	282.1	275.5	911.1	1832.0	*1841.0*	1944.3
80°	127.1	133.3	148.4	203.8	276.4	211.2	179.6	367.8	578.9	*490.0*	514.2
82.5°	93.5	103.7	125.5	143.1	197.6	145.6	109.5	185.7	220.2	*189.4*	191.1
85°	53.3	60.3	75.9	102.5	126.3	89.0	62.7	82.4	102.5	*84.1*	75.0
87.5°	18.9	24.6	26.7	40.2	54.9	36.9	24.2	23.8	33.6	*25.0*	20.9
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°	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9	1132.9
2.5°	1141.1	1139.0	1130.8	1119.8	1108.3	1097.2	1093.5	1085.7	1080.4	1077.5	1080.8
5°	1164.0	1157.5	1138.2	1113.6	1087.8	1059.9	1040.2	1022.2	1009.0	996.7	1001.7
7.5°	1196.8	1185.4	1152.1	1109.1	1063.2	1016.8	982.4	956.2	938.5	927.0	929.5
10°	1235.0	1217.3	1166.5	1102.1	1031.2	964.8	924.2	901.6	890.6	884.4	886.0
12.5°	1278.8	1253.8	1181.3	1086.1	982.4	906.5	878.7	872.1	872.5	872.9	873.7
15°	1333.0	1298.1	1193.1	1051.3	918.8	861.9	856.9	867.6	878.7	884.0	883.6
17.5°	1394.1	1344.9	1195.2	993.9	856.5	833.2	848.7	871.7	888.5	895.9	897.5
20°	1459.7	1392.4	1180.4	912.7	805.3	809.8	837.7	867.2	885.6	895.1	897.5
22.5°	1534.7	1443.3	1145.2	827.4	763.5	784.4	817.2	845.9	865.1	874.6	877.0
25°	1620.4	1500.2	1089.8	755.7	727.4	755.7	788.5	812.2	827.8	836.4	838.9
27.5°	1715.5	1559.7	1016.0	698.7	695.8	726.1	753.2	771.7	779.9	786.4	788.9
30°	1811.0	1613.8	926.6	655.6	668.3	697.0	716.3	724.5	727.0	728.2	731.1
32.5°	1914.4	1660.6	832.7	619.9	642.1	668.7	680.2	683.9	672.4	664.6	667.1
35°	2039.4	1710.6	740.9	591.7	616.3	639.2	642.9	639.6	626.1	610.1	610.9
37.5°	2194.0	1772.9	667.5	571.6	592.1	607.2	602.7	601.9	603.1	584.3	585.5
40°	2383.4	1854.1	613.8	556.0	572.4	575.7	563.0	569.9	576.1	547.4	548.2
42.5°	2593.8	1952.1	579.8	545.3	556.0	548.2	528.5	536.3	535.5	497.8	497.3
45°	2808.2	2058.7	567.9	537.5	540.8	525.2	503.5	505.6	488.3	454.3	455.5
47.5°	3021.4	2173.1	575.3	531.0	522.0	504.3	487.5	478.5	453.1	427.6	427.6
50°	3230.5	2293.2	602.3	517.9	496.1	485.9	473.6	457.6	430.5	408.8	407.1
52.5°	3424.5	2414.2	632.7	496.1	463.7	469.9	462.1	443.6	417.0	394.8	395.3
55°	3608.1	2535.1	644.5	466.2	433.4	455.9	451.4	417.4	385.4	367.4	365.7
57.5°	3808.2	2680.7	631.4	428.1	408.8	439.9	422.7	385.0	366.6	353.0	351.8
60°	4085.4	2909.1	603.1	380.9	385.4	416.2	386.6	371.1	351.0	335.8	335.0
62.5°	4545.8	3335.1	557.6	334.2	357.9	380.9	369.4	353.8	333.3	318.6	318.6
65°	5226.5	3927.1	471.9	297.7	327.2	346.5	351.0	335.4	314.1	298.5	299.3
67.5°	5800.5	4298.6	357.1	267.3	295.6	318.6	331.3	316.1	293.6	278.4	278.8
70°	*5768.9*	*4028.8*	*272.7*	*237.4*	*267.7*	*291.1*	*307.5*	*295.6*	*271.4*	*257.1*	*258.3*
72.5°	5124.0	3370.3	220.6	207.1	239.4	262.4	282.1	273.1	248.5	234.5	234.5
75°	3764.4	2392.4	176.3	176.3	204.2	232.5	254.2	248.5	225.9	216.1	213.2
77.5°	1586.8	1003.7	138.2	146.4	169.7	199.7	226.7	228.8	209.1	221.4	200.9
80°	421.9	276.8	105.4	115.2	133.3	164.8	197.2	196.4	175.1	163.6	152.1
82.5°	160.7	109.1	75.0	81.2	96.4	126.3	156.2	161.1	139.8	121.0	121.0
85°	61.9	46.7	46.3	48.8	56.2	83.6	118.1	122.2	105.4	89.4	92.3
87.5°	16.0	13.9	17.2	16.4	25.8	44.7	67.7	70.1	64.4	37.3	53.3
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)