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: P1202712

Luminaire Tested: GWC-SB2A-827-U-SL2-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202712
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2A-827-U-SL2-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6321 lumens
Efficiency:	N/A
Efficacy:	110.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - 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

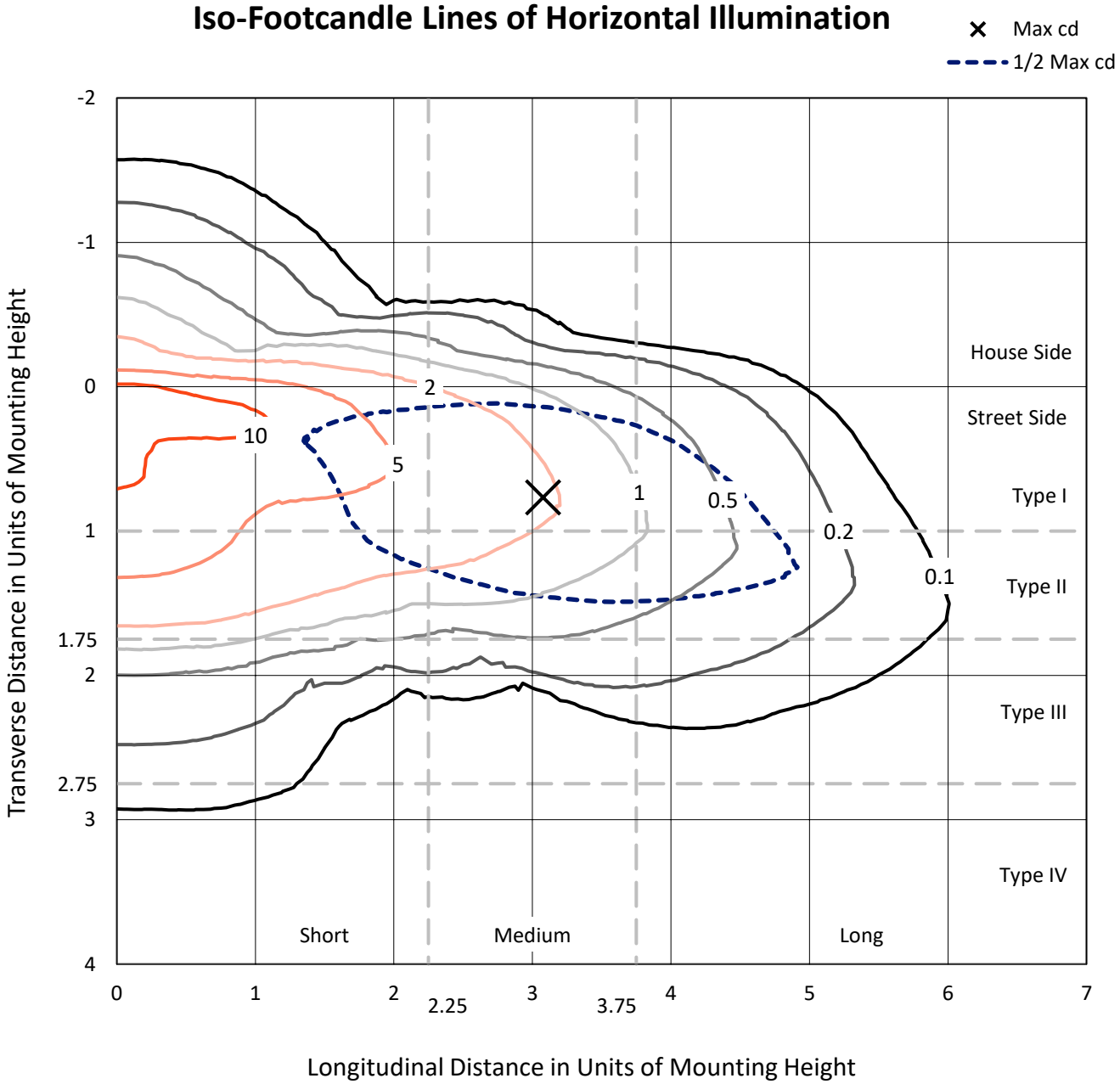


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Iso-Footcandle Lines of Horizontal Illumination



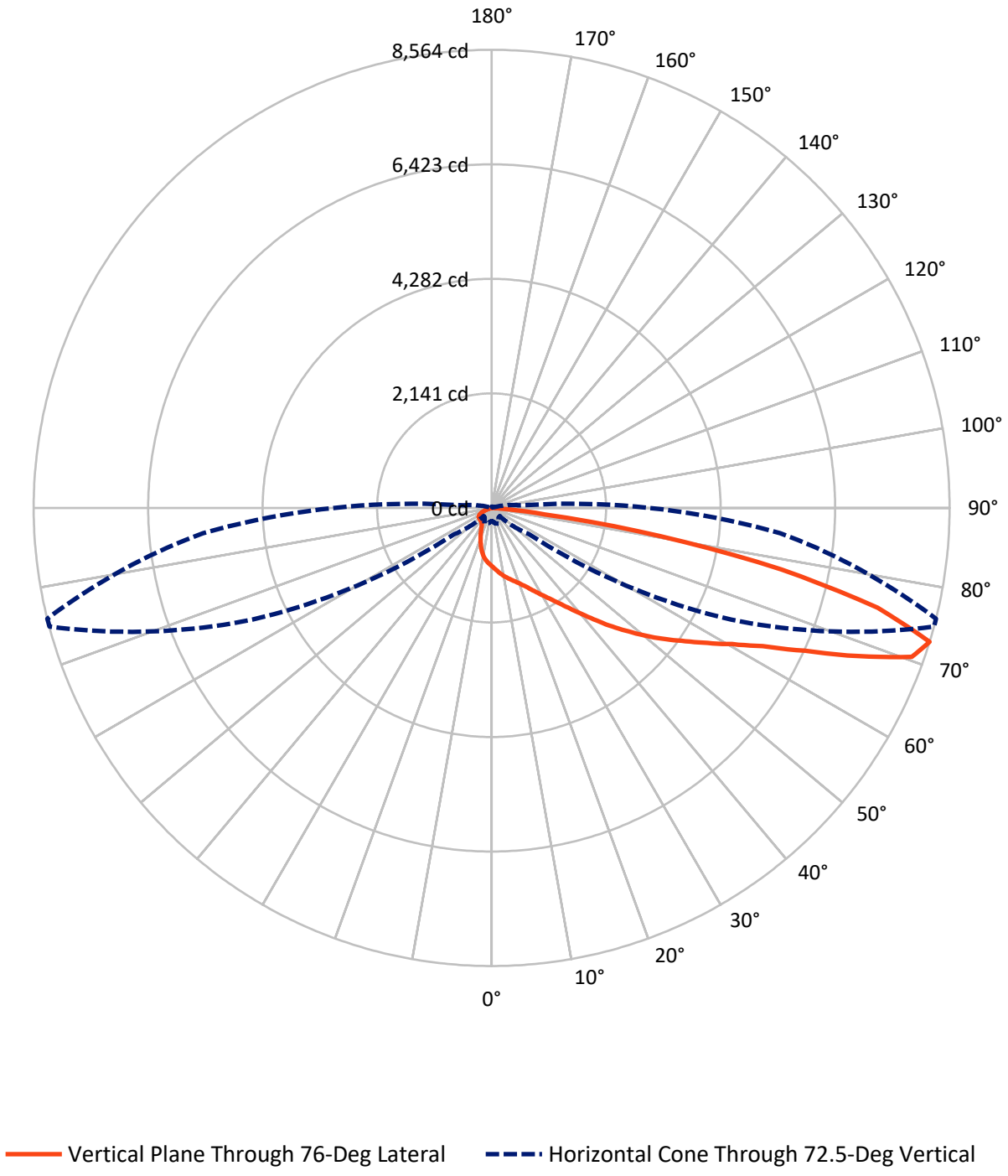
Based on 10 foot mounting height. Maximum calculated value = 14.4 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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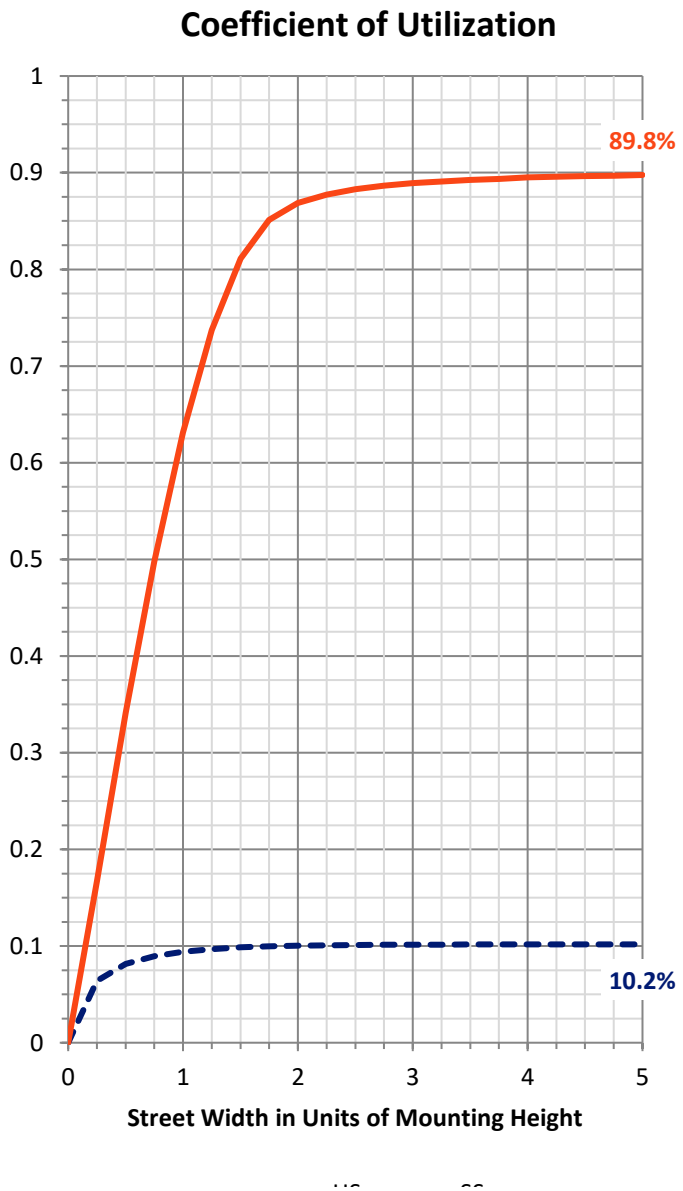
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	647.0	0.0	647.0
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	5674.1	0.0	5674.1
	% Fixture	89.8	0.0	89.8
Total	Lumens	6321.0	0.0	6321.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.4	1.6
10°-20°	266.4	4.2
20°-30°	421.6	6.7
30°-40°	652.3	10.3
40°-50°	990.7	15.7
50°-60°	1365.8	21.6
60°-70°	1442.9	22.8
70°-80°	989.9	15.7
80°-90°	92.1	1.5
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°	6321.0	100.0
0°-180°	6321.0	100.0



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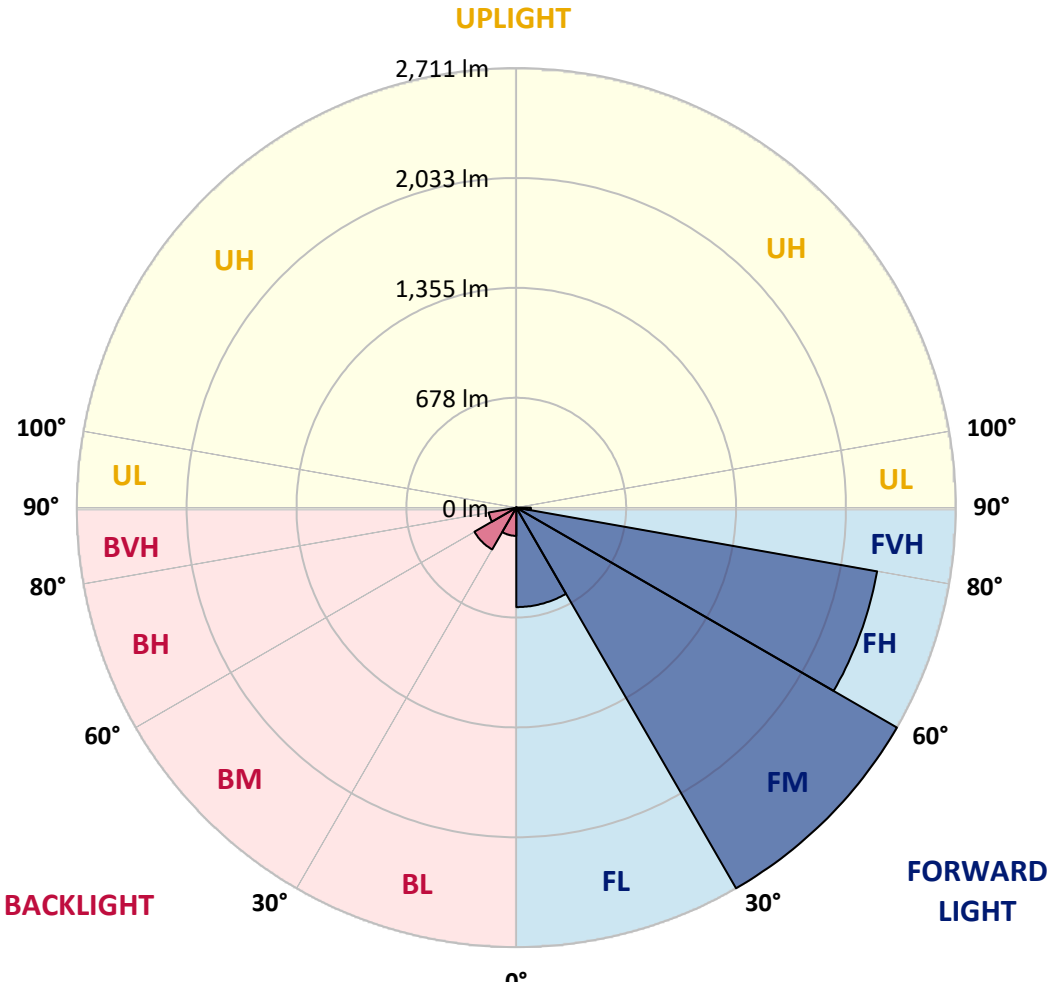
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	613.4	9.7			
FM	(30°-60°)	2710.9	42.9			
FH	(60°-80°)	2260.0	35.8			G2/5000
FVH	(80°-90°)	89.6	1.4			G1/100
BL	(0°-30°)	173.9	2.8	B1/500		
BM	(30°-60°)	297.9	4.7	B1/1000		
BH	(60°-80°)	172.7	2.7	B1/500		G1/500
BVH	(80°-90°)	2.5	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-G2
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1092.3	1092.3	1092.3	1092.3	1092.3	1092.3	1092.3	1092.3	1092.3	*1092.3*	1092.3
2.5°	1269.9	1253.1	1256.3	1239.5	1231.7	1212.9	1193.2	1167.4	1138.7	*1138.7*	1110.8
5°	1403.5	1392.9	1392.9	1373.2	1358.0	1328.5	1293.2	1247.7	1193.6	*1188.3*	1135.4
7.5°	1485.5	1479.0	1483.1	1471.6	1459.3	1428.5	1386.7	1327.3	1250.6	*1244.0*	1164.5
10°	1501.5	1501.1	1512.6	1515.9	1524.1	1508.5	1471.2	1402.7	1306.8	*1297.3*	1189.5
12.5°	1439.6	1431.8	1460.1	1493.3	1540.1	1561.0	1541.7	1471.6	1358.0	*1344.9*	1212.9
15°	1337.9	1339.6	1366.6	1417.9	1495.8	1570.4	1595.4	1538.8	1410.1	*1394.5*	1235.0
17.5°	1279.7	1273.6	1296.9	1342.9	1429.0	1534.3	1620.4	1601.6	1465.5	*1447.8*	1257.6
20°	1272.7	1272.3	1277.7	1298.6	1364.2	1482.7	1617.6	1662.7	1530.6	*1510.1*	1290.0
22.5°	1321.1	1320.3	1315.8	1311.7	1329.7	1432.2	1605.3	1720.9	1608.6	*1586.4*	1335.9
25°	1395.3	1394.1	1387.1	1362.1	1344.5	1405.2	1593.8	1775.0	1700.8	*1676.2*	1391.6
27.5°	1486.0	1485.1	1472.4	1434.7	1389.2	1407.6	1588.1	1830.8	1807.4	*1783.2*	1456.0
30°	1597.1	1595.4	1569.2	1515.9	1456.4	1446.6	1595.8	1893.5	1918.5	*1900.1*	1530.2
32.5°	1736.5	1732.0	1697.5	1617.2	1533.9	1498.7	1610.6	1957.9	2050.2	*2032.9*	1629.5
35°	1844.3	1837.4	1817.3	1746.3	1623.7	1562.6	1645.0	2034.2	2208.4	*2193.3*	1756.2
37.5°	1937.0	1930.0	1913.6	1855.4	1752.5	1644.2	1700.4	2135.9	2395.4	*2388.0*	1910.7
40°	2037.0	2025.6	2017.8	1955.4	1862.4	1761.9	1779.5	2254.8	2610.7	*2611.5*	2096.5
42.5°	2114.1	2109.6	2110.4	2062.5	1968.6	1901.3	1884.5	2388.8	2868.6	*2876.4*	2320.0
45°	2180.1	2176.4	2191.6	2158.0	2075.6	1992.8	2007.5	2540.6	3150.7	*3166.7*	2570.1
47.5°	2231.0	2235.1	2256.8	2235.1	2186.7	2057.1	2116.6	2704.2	3447.1	*3449.2*	2828.4
50°	2281.8	2283.5	2319.5	2308.9	2289.2	2138.7	2217.0	2887.0	3759.6	*3763.3*	3069.9
52.5°	2297.8	2295.4	2352.8	2379.0	2379.8	2239.6	2347.0	3086.3	4065.9	*4077.8*	3318.4
55°	2215.8	2222.8	2315.4	2422.1	2464.3	2379.0	2522.5	3338.5	4392.3	*4397.2*	3564.4
57.5°	1814.8	1853.3	2058.4	2305.6	2518.8	2578.7	2774.7	3633.3	4769.1	*4764.6*	3813.7
60°	1101.3	1147.3	1392.5	1933.7	2340.9	2779.2	3146.2	4090.1	5180.7	*5168.0*	4065.9
62.5°	615.9	629.8	708.1	1157.5	1780.4	2651.7	3509.0	4676.8	5733.5	*5690.4*	4313.9
65°	453.9	458.4	476.9	567.1	875.0	2039.5	3429.5	5378.4	6510.1	*6433.4*	4611.2
67.5°	394.5	399.0	417.0	429.3	390.8	1071.4	2825.5	5767.5	7496.2	*7395.7*	5013.5
70°	332.1	334.6	363.7	371.9	279.6	407.6	1815.2	5647.4	8408.9	*8337.2*	5445.2
72.5°	*247.7*	*257.5*	*299.7*	*319.4*	*224.3*	*216.5*	*854.5*	*4937.6*	*8563.5*	*8564.3*	*5416.1*
75°	168.1	177.1	225.5	262.8	173.0	151.7	344.8	3687.0	7456.8	*7456.8*	4747.8
77.5°	114.8	122.2	157.0	206.2	131.2	104.1	178.8	2340.0	5349.7	*5537.9*	3384.0
80°	50.8	55.4	101.3	149.7	99.6	67.2	101.3	1281.3	3235.1	*3195.4*	1326.5
82.5°	25.0	28.7	64.8	93.5	64.4	41.4	53.3	609.3	1048.5	*996.4*	207.1
85°	4.9	6.6	34.9	39.8	29.9	18.5	20.1	187.4	126.3	*144.3*	43.9
87.5°	0.0	0.0	10.7	7.4	3.3	4.1	4.1	16.8	9.8	*11.5*	11.5
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°	1092.3	1092.3	1092.3	1092.3	1092.3	1092.3	1092.3	1092.3	1092.3	1092.3	1092.3
2.5°	1096.0	1080.8	1047.6	1014.8	981.2	950.5	929.1	907.8	894.7	888.9	889.8
5°	1104.6	1073.9	1004.2	931.2	859.0	788.5	735.6	686.0	670.4	644.6	646.2
7.5°	1118.2	1068.1	958.2	835.2	718.0	614.6	540.0	480.6	456.8	433.8	433.4
10°	1127.2	1057.5	897.6	733.1	574.5	458.4	387.1	344.0	328.4	314.5	314.1
12.5°	1130.9	1037.8	827.9	618.7	446.9	349.3	306.7	286.6	281.3	276.4	276.4
15°	1134.1	1018.5	749.9	508.4	353.0	292.4	275.5	269.0	265.3	262.0	262.0
17.5°	1137.0	993.9	661.0	413.3	298.1	269.4	261.2	254.2	251.3	247.7	247.7
20°	1146.9	970.1	581.4	341.1	268.2	253.0	244.0	236.6	234.1	231.7	232.1
22.5°	1165.3	950.9	504.3	292.4	250.1	236.2	224.7	216.5	214.9	213.2	212.0
25°	1187.5	927.1	431.8	260.8	232.5	216.9	204.2	197.2	195.6	196.0	195.2
27.5°	1215.7	900.8	369.4	240.7	216.9	198.9	184.5	179.2	180.0	181.6	180.8
30°	1246.9	876.6	320.6	226.7	203.0	182.9	168.5	164.8	167.7	170.2	169.3
32.5°	1293.2	855.3	286.6	215.7	190.7	169.8	158.3	153.8	157.0	160.3	159.5
35°	1356.4	844.7	267.3	206.2	180.0	159.5	148.0	144.7	148.0	148.8	148.4
37.5°	1433.9	843.8	259.1	198.5	170.2	150.9	138.2	137.0	139.4	139.8	139.0
40°	1533.9	849.2	253.0	192.7	159.9	141.1	129.2	127.9	128.7	131.6	131.2
42.5°	1660.6	871.3	244.4	185.3	148.8	131.2	121.8	118.9	118.5	121.8	121.4
45°	1819.7	920.1	232.9	173.4	139.0	123.0	113.6	110.3	109.1	109.9	111.1
47.5°	1993.2	980.0	221.4	162.4	132.0	116.4	107.0	102.9	100.9	100.9	100.9
50°	2161.3	1047.6	213.6	150.9	127.1	110.3	100.0	95.9	92.7	91.8	91.4
52.5°	2327.7	1114.1	207.5	139.4	121.4	102.5	93.5	89.0	85.3	83.6	82.8
55°	2479.5	1177.2	196.8	128.3	114.0	94.3	86.9	82.4	77.9	75.0	73.8
57.5°	2625.0	1229.7	177.1	116.9	102.5	86.5	80.0	75.0	69.7	66.0	64.4
60°	2757.5	1256.7	152.5	104.6	91.0	78.3	72.2	67.7	60.7	54.5	52.9
62.5°	2858.3	1246.1	125.9	90.6	79.1	70.9	63.1	58.6	50.4	43.1	40.2
65°	2961.7	1187.9	100.5	75.9	69.3	61.1	52.9	48.4	39.0	31.2	29.1
67.5°	3095.7	1063.6	79.1	63.1	59.9	48.4	41.4	38.5	32.0	24.6	23.0
70°	3181.8	826.2	61.5	51.3	49.2	35.3	32.0	31.6	25.4	18.9	16.8
72.5°	*2945.7*	*541.7*	*47.2*	*39.0*	*35.3*	*23.0*	*24.6*	*24.6*	*18.5*	*12.7*	*11.1*
75°	2459.0	317.0	34.0	27.9	20.1	14.8	16.8	16.8	11.5	6.2	4.9
77.5°	1756.2	168.9	22.6	17.2	10.3	6.6	9.0	8.6	3.7	0.4	0.0
80°	671.6	58.2	10.7	7.0	2.9	1.2	0.8	0.4	0.4	0.0	0.0
82.5°	102.5	15.2	2.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	18.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.1	0.0	0.0	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	0.0


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SS

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(END OF REPORT)