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: P1201603

Luminaire Tested: GWC-SB1B-827-U-T3

Issue Date: 10/30/2025

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201603
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1B-827-U-T3
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4926 lumens
Efficiency:	N/A
Efficacy:	123.8 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	39.8
Input Voltage (V):	120.0
Input Current (Ain):	0.33
Voltage Rise (V):	NR
Power Factor:	0.996
Total Harmonic Distortion (THDi):	5.305
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

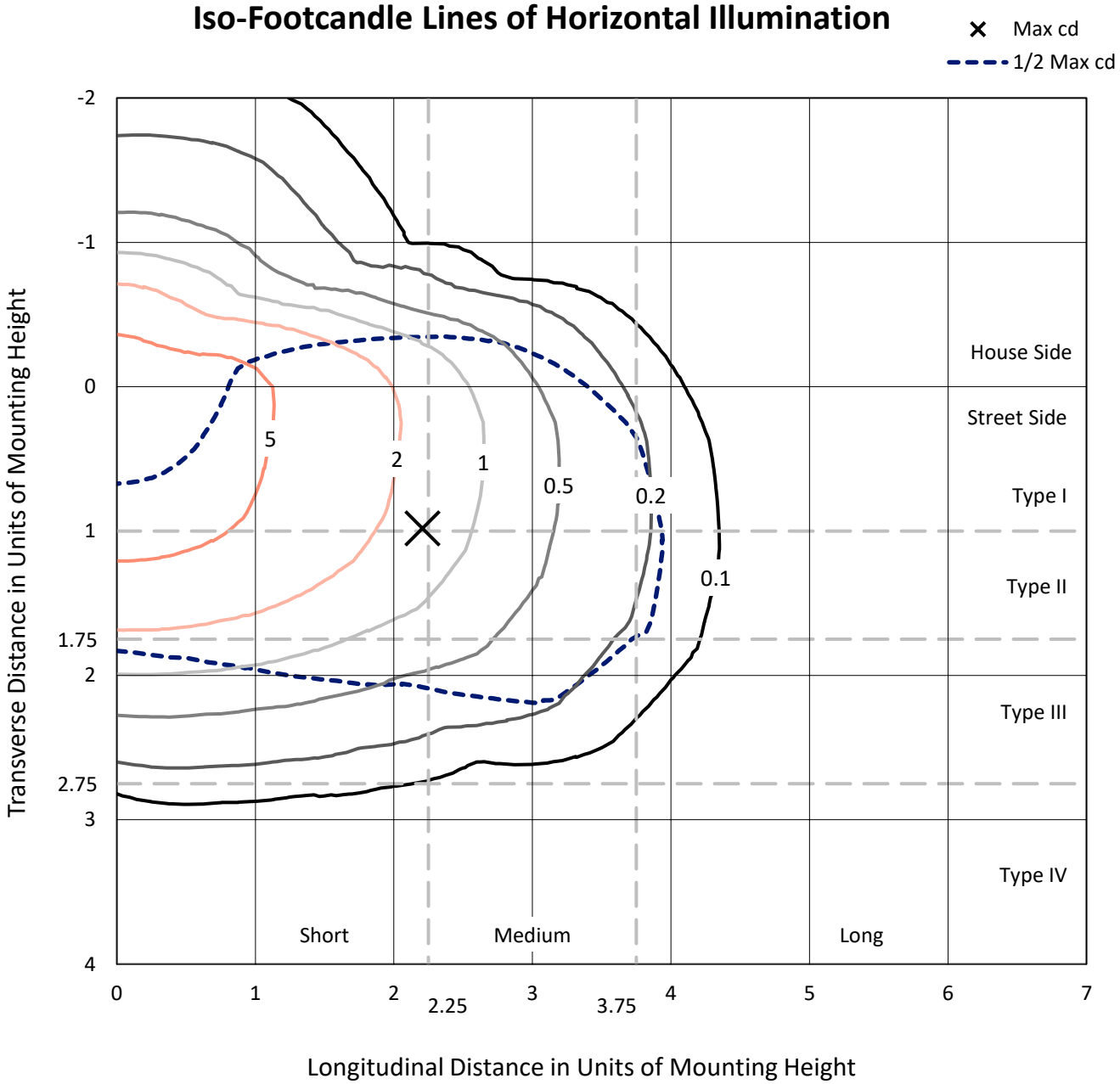


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Iso-Footcandle Lines of Horizontal Illumination



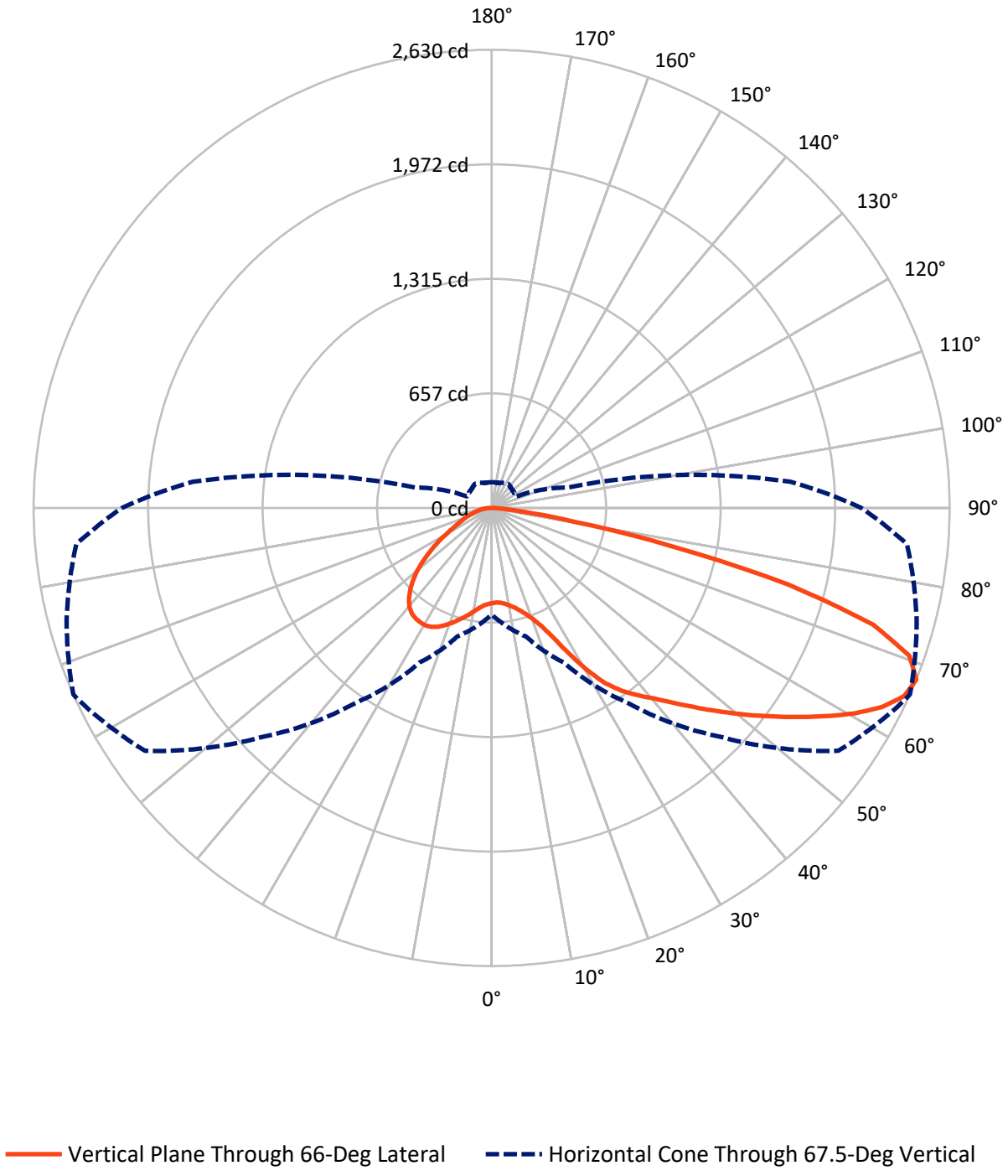
Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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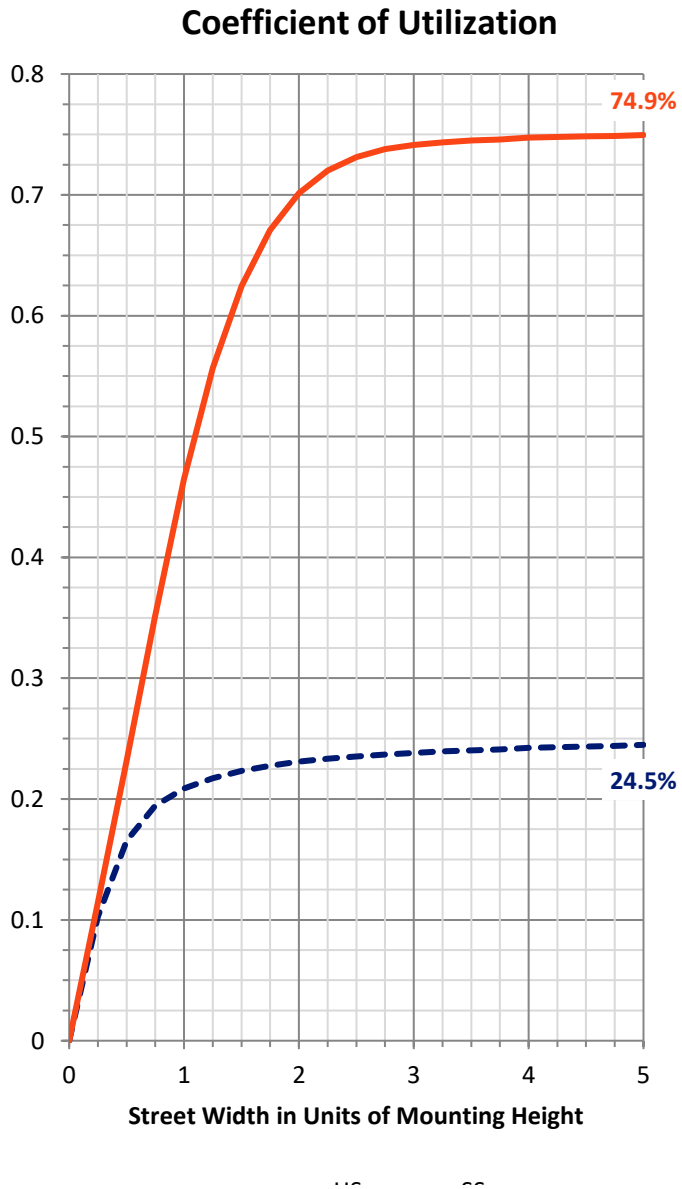
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1224.8	0.0	1224.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	3701.2	0.0	3701.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	4926.0	0.0	4926.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.2	1.1
10°-20°	179.0	3.6
20°-30°	345.0	7.0
30°-40°	604.8	12.3
40°-50°	899.2	18.3
50°-60°	1139.8	23.1
60°-70°	1115.3	22.6
70°-80°	532.0	10.8
80°-90°	56.9	1.2
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°	4926.0	100.0
0°-180°	4926.0	100.0



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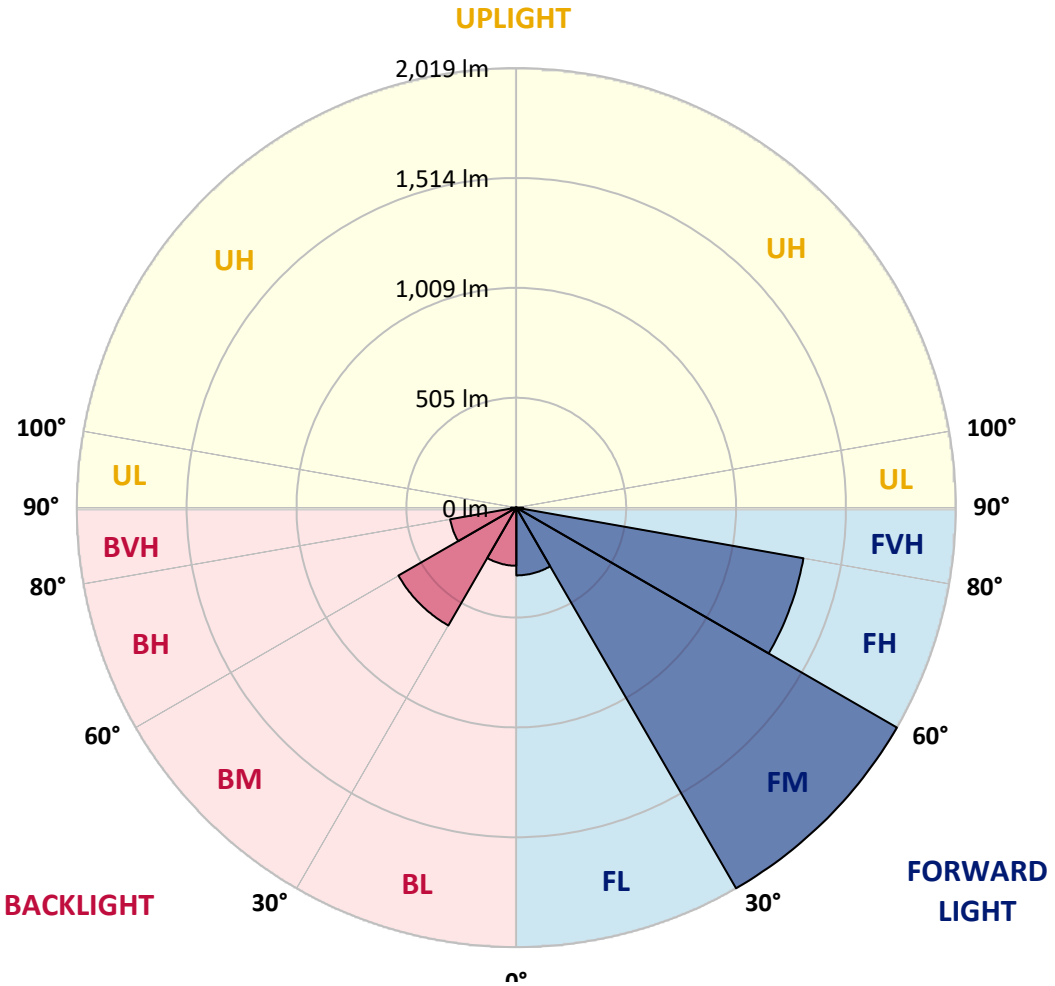
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	311.3	6.3			
FM	(30°-60°)	2018.6	41.0			
FH	(60°-80°)	1339.0	27.2			G1/1800
FVH	(80°-90°)	32.2	0.7			G1/100
BL	(0°-30°)	266.8	5.4	B1/500		
BM	(30°-60°)	625.2	12.7	B1/1000		
BH	(60°-80°)	308.2	6.3	B1/500		G1/500
BVH	(80°-90°)	24.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	*546.4*	546.4	546.4
2.5°	540.7	543.8	543.0	541.7	541.4	542.0	542.7	543.5	*543.3*	544.5	546.6
5°	539.1	542.2	542.0	542.0	543.0	545.1	546.4	547.7	*546.4*	547.9	550.8
7.5°	540.1	542.5	543.5	544.5	547.1	551.0	554.1	557.0	*555.4*	557.2	560.9
10°	553.3	555.2	556.2	556.2	558.0	562.4	565.5	570.7	*569.4*	572.2	576.9
12.5°	577.4	579.2	579.2	578.2	579.5	582.3	583.4	589.1	*586.7*	591.4	596.1
15°	606.9	610.5	607.7	605.9	606.4	609.3	609.0	613.4	*611.1*	614.9	619.1
17.5°	639.5	644.2	639.5	639.3	638.2	641.3	641.6	645.5	*641.3*	644.2	647.0
20°	678.1	684.6	680.7	682.0	679.6	680.9	682.2	687.9	*681.5*	683.5	682.8
22.5°	732.4	740.2	736.1	741.0	739.4	738.4	738.1	748.2	*738.1*	738.9	731.4
25°	811.6	821.0	813.7	820.4	820.4	823.8	827.7	840.6	*823.8*	818.9	799.5
27.5°	928.6	937.9	923.7	927.9	926.6	934.8	930.7	962.8	*944.7*	936.7	897.6
30°	1069.4	1086.0	1059.1	1058.0	1056.7	1069.9	1075.9	1097.1	*1078.7*	1070.7	1023.6
32.5°	1221.6	1238.9	1206.9	1197.5	1192.6	1200.6	1195.7	1212.8	*1200.1*	1187.7	1129.5
35°	1382.6	1399.7	1369.1	1351.0	1331.3	1314.5	1296.9	1301.3	*1289.4*	1270.5	1210.2
37.5°	1534.8	1566.1	1533.7	1514.3	1478.1	1445.2	1396.0	1375.6	*1364.5*	1347.1	1286.3
40°	1689.8	1707.7	1683.1	1666.5	1627.2	1575.7	1497.0	1453.8	*1438.8*	1421.9	1370.4
42.5°	1803.9	1821.0	1807.8	1796.4	1765.6	1705.8	1604.1	1550.0	*1528.3*	1509.4	1465.7
45°	1894.5	1907.2	1898.9	1903.1	1889.9	1831.9	1715.2	1653.3	*1630.8*	1607.8	1573.3
47.5°	1931.0	1944.5	1957.7	1982.3	2004.8	1962.1	1834.5	1765.1	*1741.3*	1717.8	1683.9
50°	1926.9	1940.6	1978.9	2031.2	2101.1	2086.8	1960.3	1884.2	*1862.2*	1835.3	1803.9
52.5°	1893.7	1909.3	1958.5	2045.4	2156.7	2180.3	2088.4	2007.1	*1986.4*	1954.3	1923.0
55°	1806.8	1816.1	1889.9	2013.1	2169.9	2245.5	2213.9	2138.1	*2117.4*	2072.6	2038.4
57.5°	1645.5	1659.0	1766.4	1925.8	2136.8	2289.7	2324.2	2275.8	*2255.8*	2191.4	2155.7
60°	1435.1	1456.6	1579.5	1779.4	2052.4	2289.5	2424.3	2411.1	*2394.6*	2308.4	2271.1
62.5°	1197.0	1221.9	1340.1	1572.3	1904.9	2224.5	2487.0	2524.5	*2515.9*	2416.3	2368.7
65°	919.3	936.4	1054.2	1304.4	1675.3	2085.0	2494.2	2601.9	*2603.4*	2498.3	2419.7
67.5°	*612.1*	*661.3*	*763.5*	*978.8*	*1367.8*	*1857.0*	*2430.5*	*2614.5*	*2629.6*	*2526.6*	*2394.0*
70°	298.7	363.4	463.5	636.2	978.8	1507.3	2264.1	2510.5	*2543.9*	2444.2	2241.3
72.5°	124.0	144.9	199.5	313.9	561.9	1017.1	1929.7	2228.4	*2290.3*	2165.8	1884.4
75°	83.6	90.6	114.1	161.0	256.0	501.6	1391.6	1661.6	*1761.2*	1635.7	1337.0
77.5°	64.4	68.8	83.1	112.6	152.2	189.7	744.9	1001.4	*1052.9*	974.7	695.7
80°	50.7	54.1	62.1	82.0	107.9	101.5	253.9	453.7	*483.5*	405.6	223.6
82.5°	44.0	45.3	44.5	55.6	71.7	59.3	83.3	167.5	*184.8*	134.1	73.0
85°	31.8	35.5	37.0	34.4	38.0	30.0	34.2	59.3	*65.2*	58.2	41.2
87.5°	12.9	19.2	23.6	22.3	14.0	8.5	10.6	17.3	*19.9*	21.7	13.5
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°	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4
2.5°	546.9	548.7	550.0	551.5	552.6	554.1	557.2	559.0	559.3	560.6	560.3
5°	551.8	554.4	557.2	561.4	566.0	569.9	575.9	580.0	581.6	582.9	582.6
7.5°	562.4	566.0	571.2	578.5	585.2	590.4	597.6	602.5	607.4	609.3	609.5
10°	578.2	583.4	590.9	600.7	608.0	614.7	622.2	626.3	631.2	633.3	634.4
12.5°	597.9	603.3	613.1	626.8	633.6	638.2	640.8	639.8	640.8	642.6	643.2
15°	620.4	626.3	637.5	652.2	656.9	652.7	647.0	641.9	641.1	641.6	643.4
17.5°	647.0	651.4	664.4	676.8	673.4	656.4	643.9	635.6	631.5	630.2	632.0
20°	684.3	684.3	694.9	702.7	680.2	651.2	631.8	618.3	609.8	606.1	605.4
22.5°	729.6	725.5	732.2	726.8	678.9	636.7	609.8	586.5	573.5	568.4	567.6
25°	787.1	782.1	780.3	746.7	669.6	613.7	569.9	541.7	530.3	527.5	528.0
27.5°	873.8	861.3	837.8	757.6	652.5	577.4	523.3	497.2	490.7	491.0	491.7
30°	989.2	964.3	906.6	759.4	624.5	526.2	475.7	457.1	454.0	455.3	459.7
32.5°	1096.1	1072.5	977.0	751.1	581.6	476.0	433.0	420.6	415.9	417.5	419.5
35°	1179.9	1173.5	1042.2	739.4	528.8	428.9	394.7	384.1	375.0	373.0	374.5
37.5°	1259.1	1256.5	1091.2	723.1	476.5	395.5	363.9	349.9	336.7	329.5	329.7
40°	1346.1	1343.5	1123.3	698.0	430.2	366.5	336.2	317.8	301.5	288.3	289.6
42.5°	1443.9	1428.7	1138.5	662.0	390.8	341.9	313.7	288.8	267.4	255.2	256.0
45°	1550.8	1516.4	1138.3	616.2	357.7	319.4	289.6	254.4	234.5	223.1	222.6
47.5°	1664.2	1600.3	1124.3	565.5	325.6	294.5	252.3	225.4	212.2	205.2	203.7
50°	1781.2	1678.7	1100.5	507.3	292.7	266.3	229.1	210.7	200.6	194.1	191.8
52.5°	1891.2	1749.8	1071.8	441.3	259.3	238.9	218.7	204.5	193.9	186.6	183.5
55°	1993.4	1811.2	1031.1	373.7	232.2	220.5	213.8	201.9	189.7	181.2	177.8
57.5°	2084.2	1851.0	961.0	310.3	212.7	207.8	208.6	197.5	183.5	176.3	171.6
60°	2159.8	1880.3	857.2	251.6	197.0	195.4	200.6	189.2	172.9	164.6	161.0
62.5°	2205.1	1879.8	729.9	206.0	183.5	184.0	190.0	178.8	162.3	154.5	152.2
65°	2201.2	1833.7	590.1	176.3	170.6	171.1	178.8	167.5	153.5	148.8	148.6
67.5°	*2123.3*	*1721.4*	*452.7*	*156.8*	*156.3*	*158.7*	*167.7*	*159.7*	*148.0*	*147.5*	*148.3*
70°	1912.4	1488.2	326.1	141.3	141.6	144.9	156.8	154.8	145.2	146.2	146.0
72.5°	1533.5	1134.6	219.0	125.0	125.3	130.7	146.5	150.9	142.3	156.1	158.1
75°	1021.3	707.6	140.8	107.7	107.9	114.9	137.4	143.4	134.6	155.5	156.8
77.5°	490.7	318.1	102.0	90.6	90.6	97.1	118.8	128.4	114.7	120.9	110.8
80°	169.5	119.6	80.2	73.0	71.4	75.8	100.2	111.3	98.9	91.1	85.4
82.5°	66.8	62.1	64.4	56.7	51.5	54.4	77.9	91.9	72.7	65.7	65.5
85°	38.3	40.4	45.6	37.5	29.8	33.4	57.2	66.0	54.9	48.4	49.4
87.5°	10.4	14.2	21.0	19.4	13.5	14.2	27.2	36.5	31.6	24.3	25.1
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

0

(END OF REPORT)