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: P1201595

Luminaire Tested: GWC-SB1B-827-U-SL4

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201595
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1B-827-U-SL4
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4879 lumens
Efficiency:	N/A
Efficacy:	122.6 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Medium
BUG Rating:	B1 - U0 - G2

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

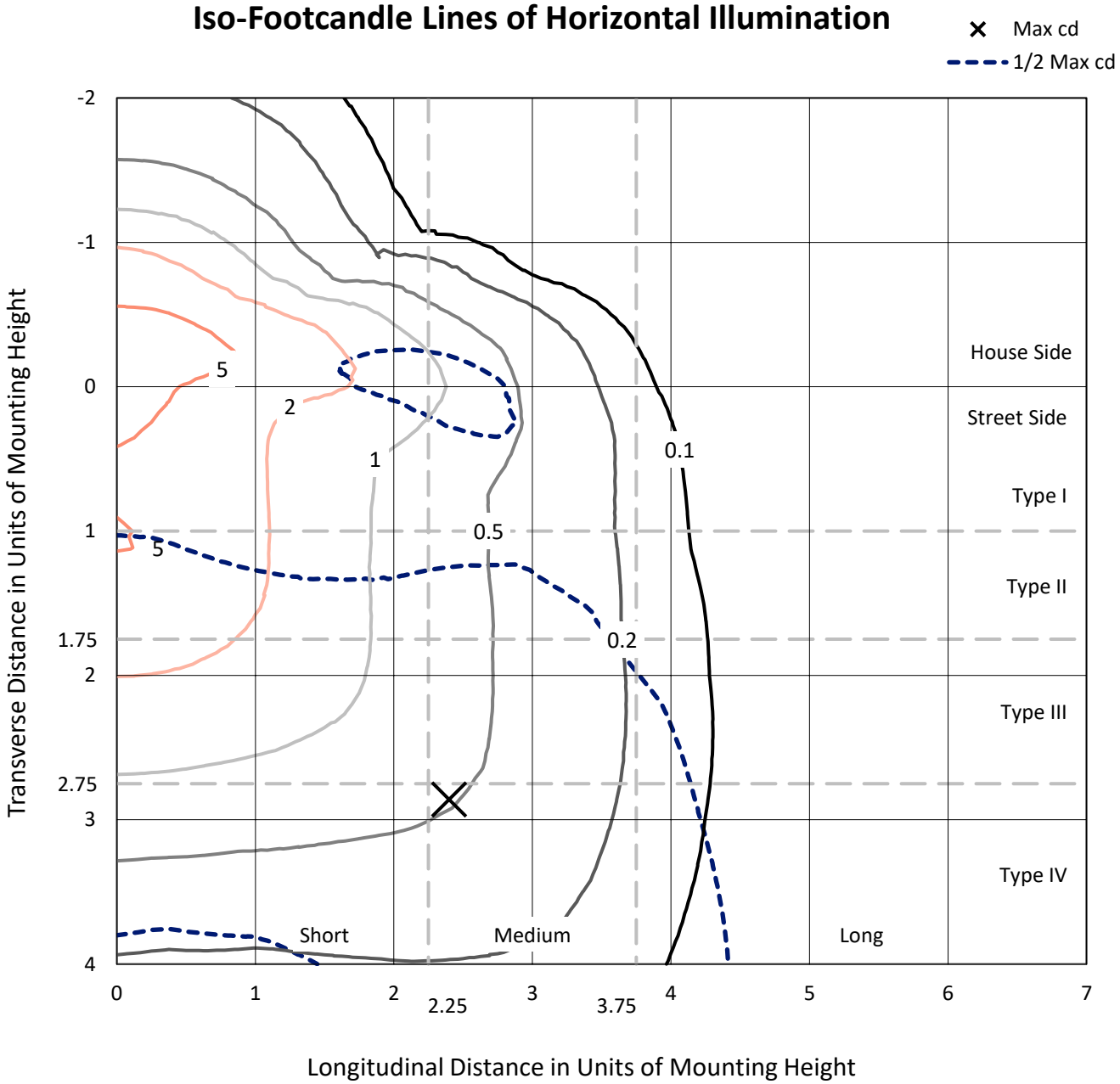


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Iso-Footcandle Lines of Horizontal Illumination



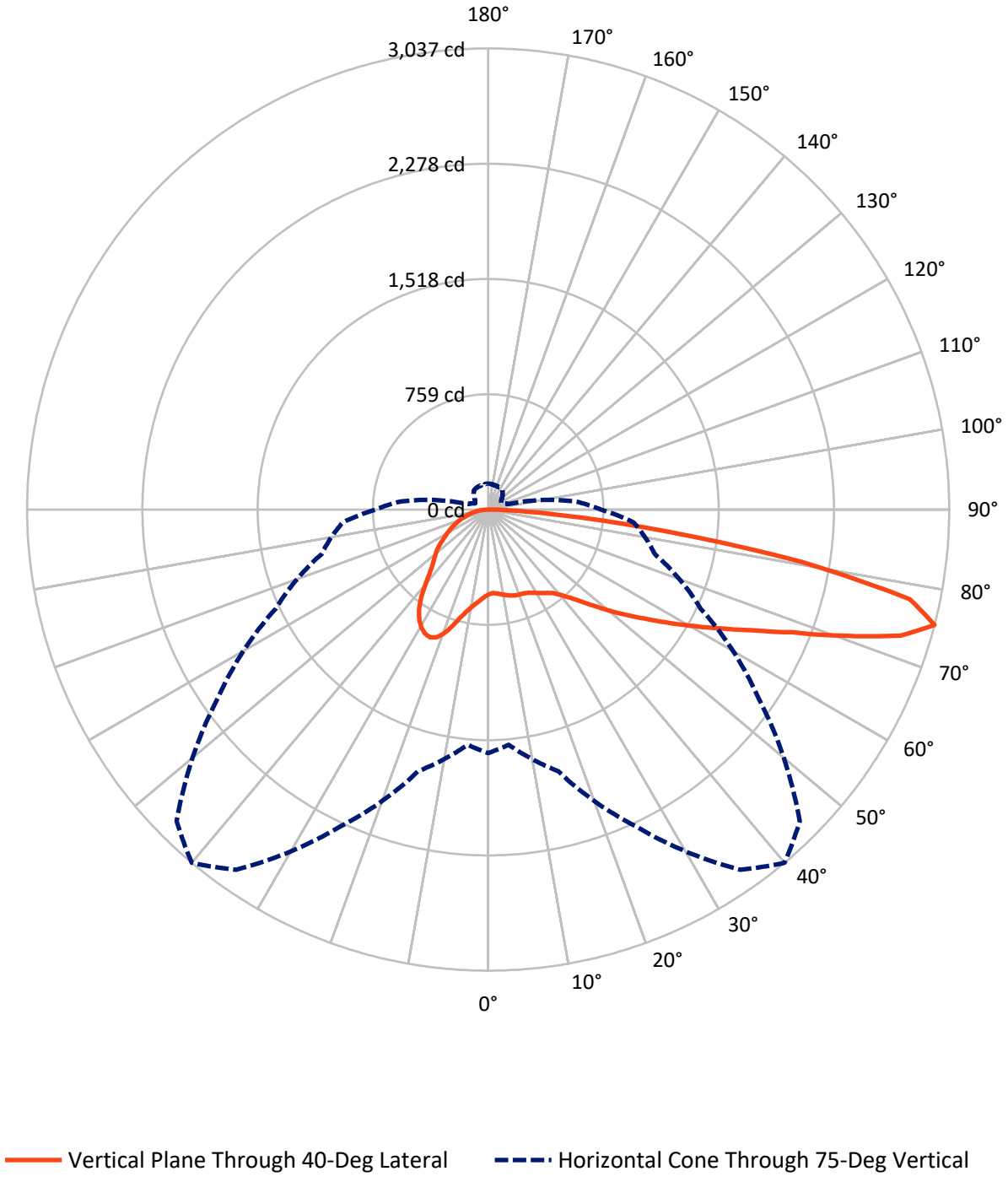
Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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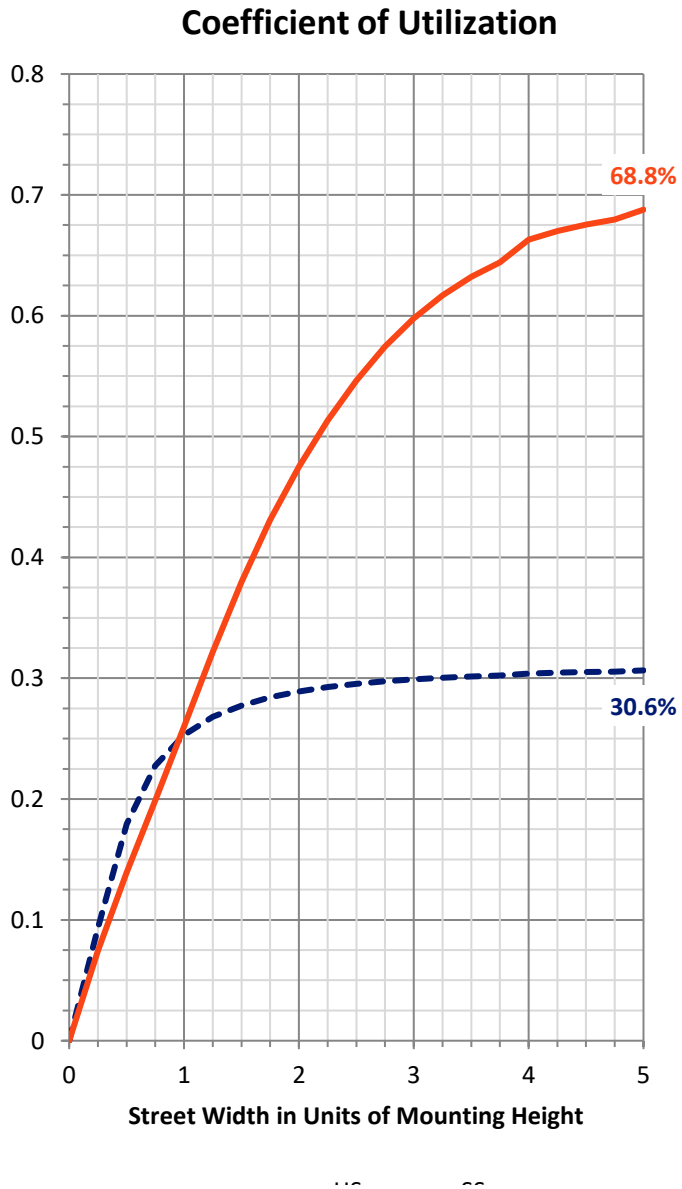
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1511.7	0.0	1511.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	3367.3	0.0	3367.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	4879.0	0.0	4879.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.7	1.1
10°-20°	187.0	3.8
20°-30°	341.4	7.0
30°-40°	484.2	9.9
40°-50°	653.8	13.4
50°-60°	879.6	18.0
60°-70°	1116.4	22.9
70°-80°	1013.2	20.8
80°-90°	147.7	3.0
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°	4879.0	100.0
0°-180°	4879.0	100.0



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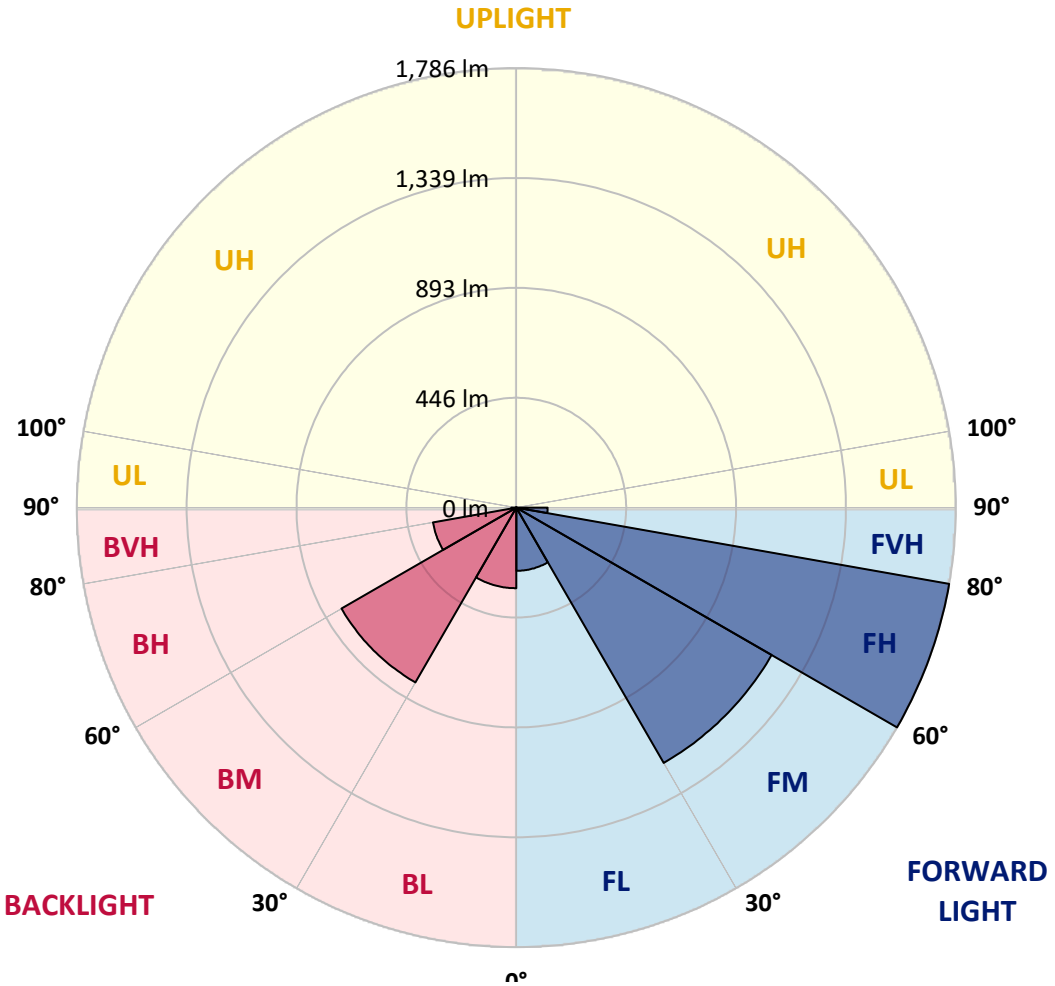
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	256.6	5.3			
FM	(30°-60°)	1197.7	24.5			
FH	(60°-80°)	1785.6	36.6			G1/1800
FVH	(80°-90°)	127.4	2.6			G2/225
BL	(0°-30°)	327.4	6.7	B1/500		
BM	(30°-60°)	819.9	16.8	B1/1000		
BH	(60°-80°)	344.0	7.0	B1/500		G1/500
BVH	(80°-90°)	20.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	557.9	557.9	557.9	557.9	557.9	*557.9*	557.9	557.9	557.9	557.9	557.9
2.5°	549.4	552.5	551.7	550.7	550.7	*550.9*	550.7	552.5	554.3	556.1	559.0
5°	555.1	558.2	556.6	555.3	554.3	*554.0*	553.3	553.0	554.0	556.4	560.2
7.5°	566.2	569.3	567.0	564.6	562.6	*561.5*	560.5	559.0	558.2	559.5	564.9
10°	578.6	581.7	578.9	574.7	571.4	*570.1*	569.0	567.5	566.5	567.2	573.2
12.5°	591.0	594.1	590.3	584.6	580.2	*579.4*	578.1	577.6	577.3	577.1	583.0
15°	602.7	605.3	600.4	593.6	589.0	*587.7*	586.4	587.2	588.5	590.0	596.7
17.5°	611.7	614.3	607.1	598.3	593.9	*593.4*	592.6	595.2	598.8	602.7	611.0
20°	620.0	622.6	613.3	601.4	596.2	*596.2*	596.5	601.9	607.1	612.8	624.2
22.5°	631.7	633.7	622.4	606.1	598.5	*599.1*	601.1	606.6	613.0	620.8	636.6
25°	649.0	650.6	636.6	614.9	606.3	*607.9*	609.7	612.3	618.5	627.5	648.8
27.5°	677.0	678.3	659.9	630.4	617.4	*620.0*	622.6	620.8	623.6	631.4	658.6
30°	716.3	717.1	693.8	654.7	636.3	*637.6*	638.1	630.6	625.2	631.4	665.6
32.5°	762.9	762.6	734.9	684.2	657.8	*656.5*	652.1	637.4	624.7	630.1	671.8
35°	835.1	832.2	796.5	725.6	682.1	*674.1*	663.8	644.9	627.3	628.8	677.2
37.5°	954.6	945.8	896.4	793.4	718.4	*697.9*	682.6	657.0	633.0	628.3	683.7
40°	1089.4	1078.3	1024.0	886.3	772.7	*739.8*	715.3	674.4	642.3	630.6	693.3
42.5°	1249.4	1233.6	1175.1	995.8	841.5	*793.9*	756.9	696.4	656.0	638.1	706.2
45°	1445.8	1424.8	1342.0	1119.2	928.2	*864.8*	815.4	729.7	677.0	652.6	725.6
47.5°	1644.3	1649.4	1531.7	1260.5	1032.3	*952.3*	888.6	779.9	707.5	675.9	756.9
50°	1855.2	1858.8	1720.3	1417.1	1150.3	*1051.1*	970.9	836.1	749.9	709.0	803.8
52.5°	2019.7	2020.3	1891.6	1580.9	1273.2	*1159.8*	1059.7	900.3	799.1	753.0	866.1
55°	2122.7	2121.4	2011.7	1735.9	1414.5	*1274.0*	1158.0	973.3	859.1	804.8	944.5
57.5°	2197.5	2193.6	2094.5	1869.1	1565.1	*1408.8*	1269.3	1056.1	930.0	866.4	1047.8
60°	2226.0	2223.7	2150.7	1984.3	1723.4	*1557.8*	1397.6	1148.7	1010.5	939.1	1180.5
62.5°	2236.9	2241.3	2205.8	2095.8	1892.9	*1722.9*	1538.7	1259.5	1101.1	1021.4	1320.5
65°	2275.2	2283.2	2275.9	2241.8	2084.4	*1916.2*	1725.8	1391.2	1199.9	1109.6	1466.7
67.5°	2351.0	2359.0	2362.1	2416.4	2318.4	*2157.2*	1959.2	1555.2	1315.6	1201.2	1576.7
70°	2349.2	2346.8	2401.7	2555.4	2611.3	*2490.7*	2273.9	1757.1	1453.5	1277.3	1590.7
72.5°	2138.3	2119.6	2249.3	2553.9	2855.1	*2839.0*	2658.1	2017.4	1572.6	1286.6	1380.3
75°	*1604.1*	*1554.5*	*1783.5*	*2301.6*	*2895.7*	*3036.7*	*2902.4*	*2178.9*	*1544.4*	*1136.8*	*960.6*
77.5°	686.0	636.1	906.0	1703.8	2591.6	*2838.8*	2678.3	1901.0	1232.8	751.7	471.7
80°	179.6	179.3	273.8	772.4	1762.5	*2096.3*	1839.1	1227.6	704.4	268.6	130.2
82.5°	74.3	72.5	100.7	300.4	861.2	*1176.4*	960.1	547.6	254.4	72.7	43.2
85°	27.7	27.4	48.9	103.8	303.8	*485.2*	351.2	140.0	63.4	35.5	19.4
87.5°	7.8	7.5	10.6	36.0	74.0	*112.3*	60.0	23.0	17.9	14.0	5.7
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°	557.9	557.9	557.9	557.9	557.9	557.9	557.9	557.9	557.9	557.9	557.9
2.5°	559.7	561.0	563.4	565.2	567.5	570.1	573.7	576.0	578.4	579.9	578.9
5°	562.1	564.9	570.9	576.8	583.8	590.3	597.8	603.2	607.6	608.9	609.4
7.5°	567.2	571.9	582.0	592.1	603.2	613.8	624.7	634.0	641.5	644.4	644.6
10°	576.3	582.5	596.7	611.0	625.7	642.0	656.0	669.5	680.1	684.5	684.7
12.5°	587.7	595.4	614.1	633.7	654.2	676.7	694.8	711.4	724.6	730.5	730.5
15°	602.4	612.5	636.3	662.7	692.7	724.1	747.1	765.5	780.2	787.5	786.9
17.5°	618.5	631.9	661.9	701.8	744.8	785.9	812.8	826.3	841.5	848.5	848.3
20°	634.0	650.6	693.5	751.5	808.7	852.4	874.1	877.8	878.8	879.6	881.6
22.5°	650.0	672.3	733.1	814.1	875.4	905.7	908.8	893.3	871.6	861.5	864.3
25°	667.6	697.1	784.9	883.2	932.9	936.5	912.7	874.9	833.8	814.9	817.7
27.5°	684.7	725.9	847.0	949.2	974.3	942.5	891.2	837.7	788.0	768.0	770.4
30°	701.8	758.7	915.5	1006.9	993.2	927.7	857.3	797.5	747.6	726.6	729.0
32.5°	719.1	797.0	994.5	1048.6	989.8	896.4	815.1	752.5	708.5	686.5	689.4
35°	738.8	844.1	1069.3	1071.3	967.3	850.3	759.5	698.7	660.4	642.8	646.7
37.5°	764.4	903.9	1135.2	1077.0	928.0	782.8	690.4	635.0	603.5	595.4	601.1
40°	796.3	975.8	1185.7	1068.0	869.7	700.8	614.9	570.6	552.7	554.6	560.8
42.5°	837.7	1056.3	1221.2	1044.7	788.7	616.1	548.6	528.9	537.5	544.7	551.5
45°	891.5	1139.9	1243.2	1005.1	697.1	544.5	509.5	514.2	520.7	521.4	526.6
47.5°	960.3	1224.5	1257.6	945.3	603.7	494.0	484.7	485.7	484.4	479.0	483.1
50°	1046.2	1306.8	1270.6	866.1	524.3	462.4	450.0	446.4	428.5	410.9	413.3
52.5°	1144.0	1382.4	1276.0	767.8	462.4	436.0	415.9	393.1	359.7	354.3	356.1
55°	1252.7	1452.2	1262.0	646.9	410.4	402.1	371.6	344.2	340.5	335.9	336.7
57.5°	1382.6	1527.6	1233.6	512.1	357.1	362.5	332.8	335.9	329.4	322.2	320.9
60°	1524.7	1605.4	1183.6	389.2	302.0	313.1	322.7	322.4	320.6	314.7	312.6
62.5°	1652.5	1656.7	1085.3	298.1	253.6	274.8	301.0	300.7	299.1	295.8	294.5
65°	1728.6	1648.9	921.2	234.7	213.7	243.2	271.5	273.5	273.8	273.5	273.5
67.5°	1715.2	1558.1	696.1	186.8	180.9	211.2	242.2	245.1	247.1	247.6	248.2
70°	1563.0	1358.6	453.9	149.1	151.6	183.0	214.5	217.4	219.2	221.3	222.3
72.5°	1218.3	998.9	259.8	120.6	126.0	158.6	187.1	190.5	191.5	195.4	196.9
75°	*742.4*	*587.4*	*140.3*	*95.0*	*103.5*	*135.6*	*159.9*	*163.8*	*165.6*	*170.3*	*170.8*
77.5°	353.0	254.4	80.0	74.0	83.3	110.8	135.1	139.5	134.6	137.2	135.1
80°	119.3	94.5	50.5	56.4	63.7	86.4	108.2	112.6	102.2	101.7	100.7
82.5°	41.7	38.3	32.1	37.5	41.1	61.8	81.8	87.5	76.1	75.8	72.2
85°	16.3	15.5	17.9	20.4	24.6	38.0	53.8	56.7	46.8	37.8	37.3
87.5°	3.4	3.6	4.4	4.7	7.5	13.2	19.4	23.8	18.9	16.0	14.8
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)