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: P1203101

Luminaire Tested: GWC-SB2B-827-U-T4FT

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:	P1203101
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2B-827-U-T4FT
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV FORWARD THRC OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9676 lumens
Efficiency:	N/A
Efficacy:	130.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
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

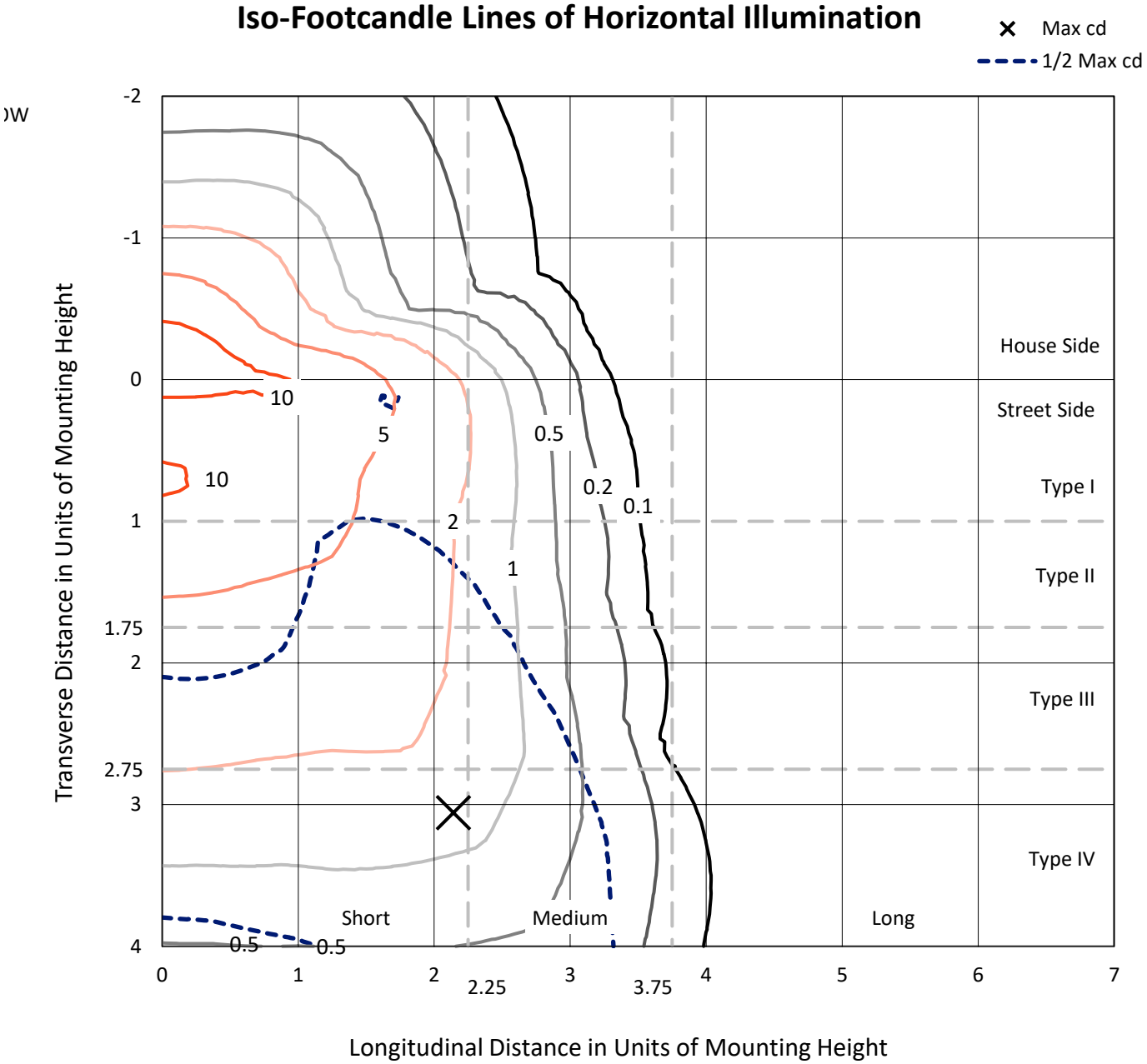


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Iso-Footcandle Lines of Horizontal Illumination



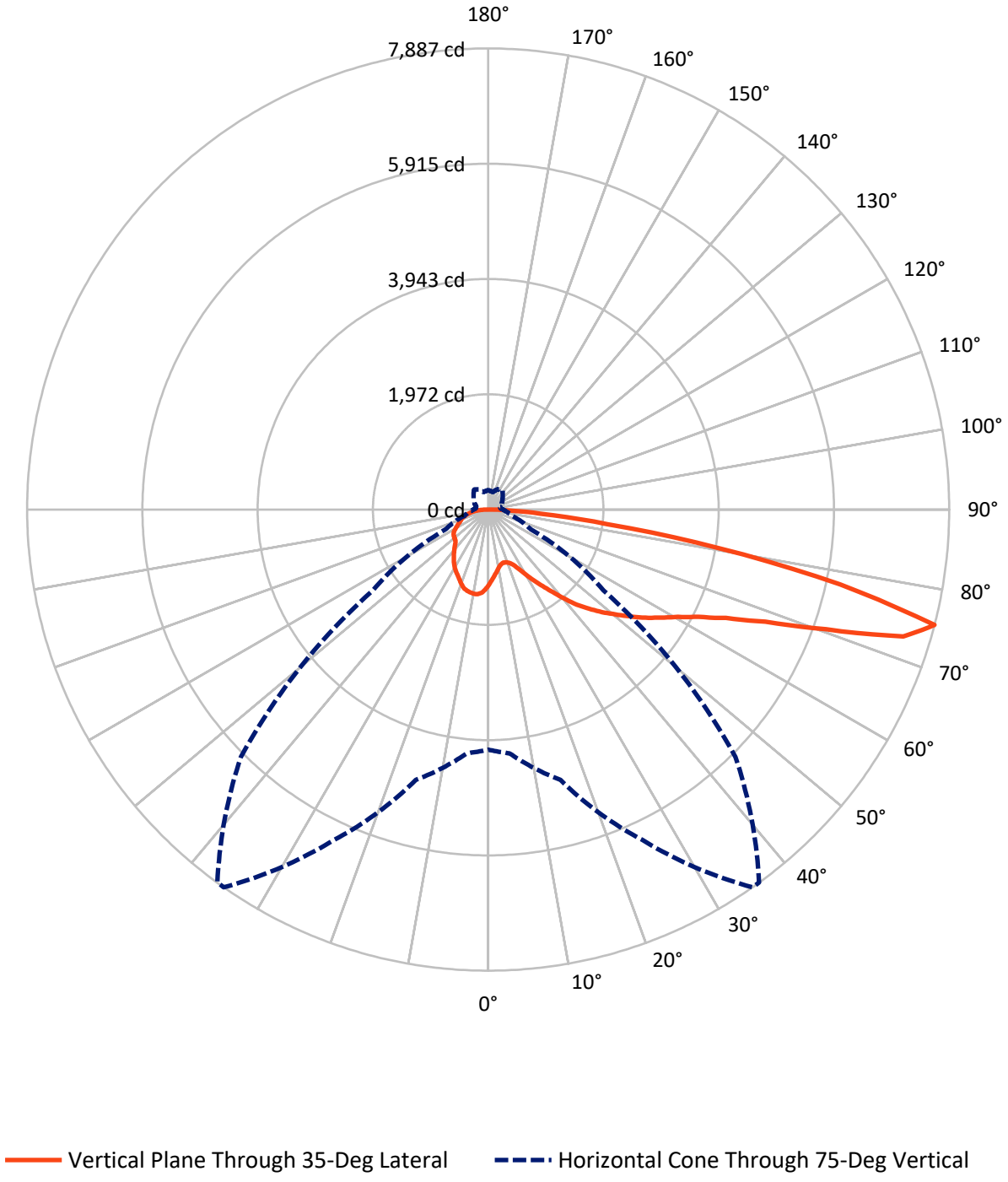
Based on 10 foot mounting height. Maximum calculated value = 14.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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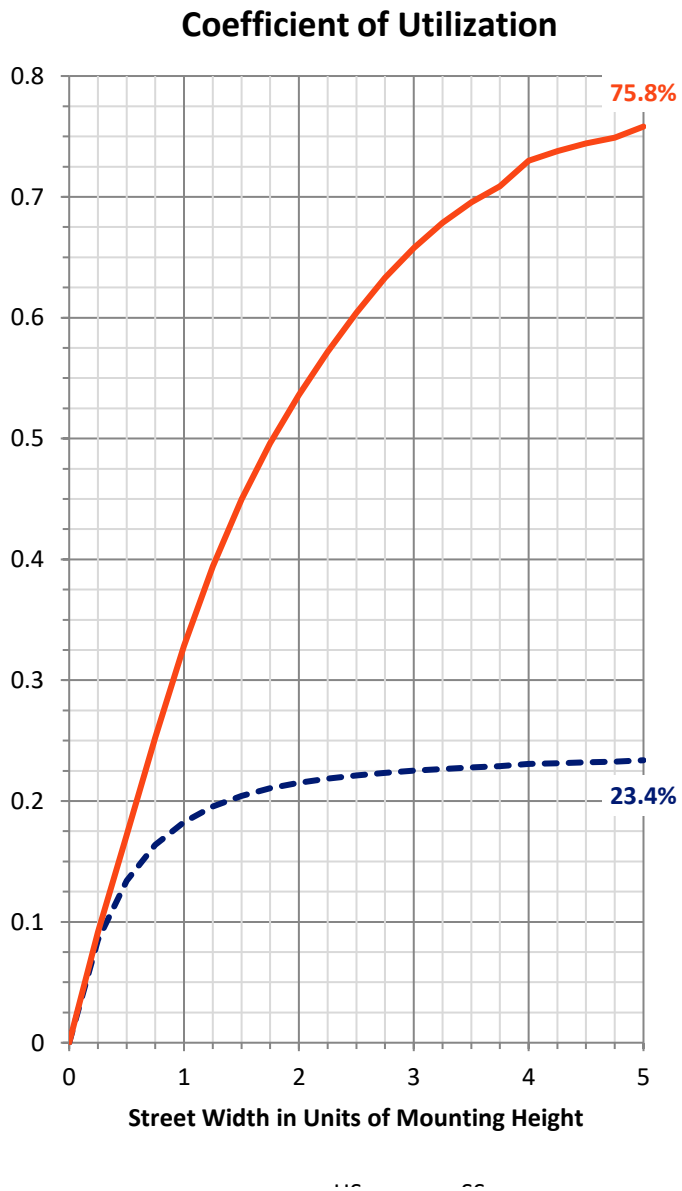
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2302.6	0.0	2302.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	7373.4	0.0	7373.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	9676.0	0.0	9676.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.1	1.3
10°-20°	352.1	3.6
20°-30°	591.3	6.1
30°-40°	919.0	9.5
40°-50°	1364.0	14.1
50°-60°	1883.1	19.5
60°-70°	2284.7	23.6
70°-80°	1888.1	19.5
80°-90°	271.6	2.8
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°	9676.0	100.0
0°-180°	9676.0	100.0



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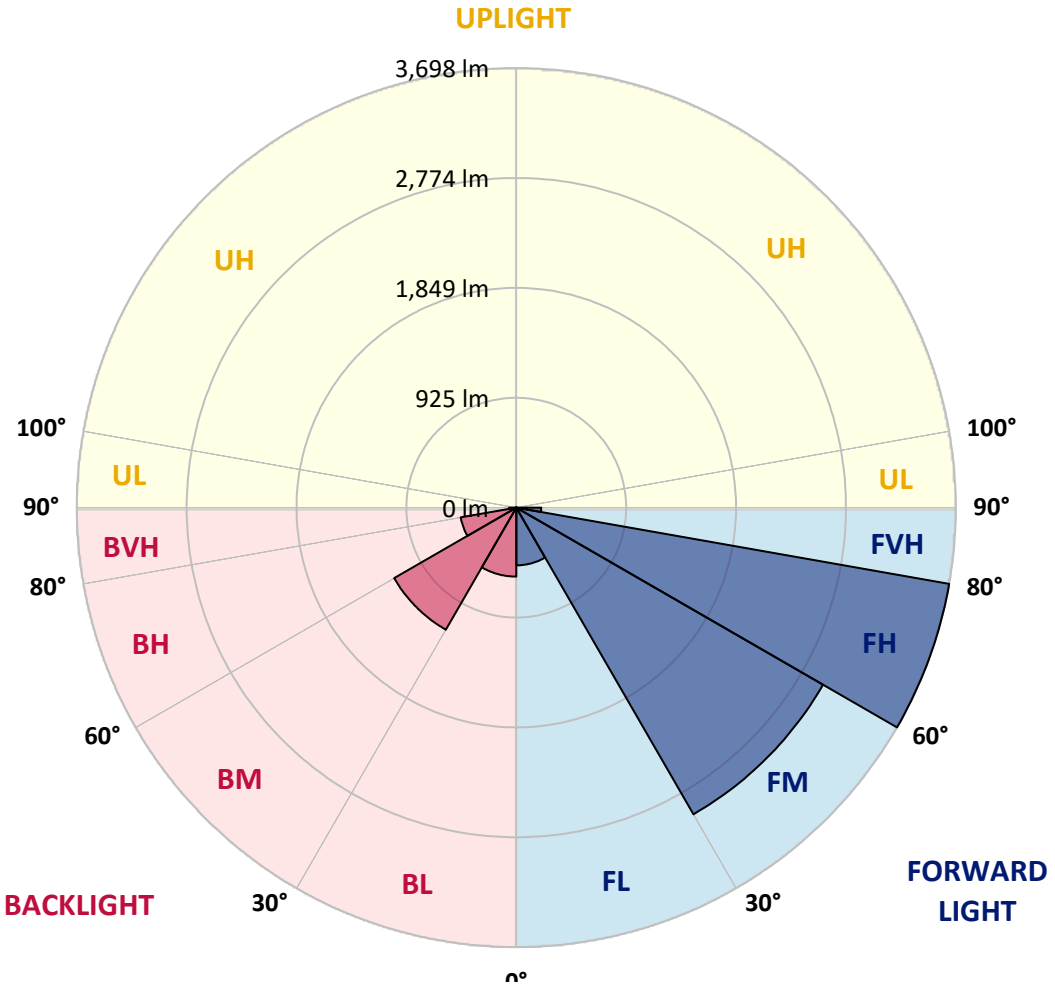
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	485.2	5.0			
FM	(30°-60°)	2979.7	30.8			
FH	(60°-80°)	3698.0	38.2			G2/5000
FVH	(80°-90°)	210.4	2.2			G2/225
BL	(0°-30°)	580.3	6.0	B2/1000		
BM	(30°-60°)	1186.5	12.3	B2/2500		
BH	(60°-80°)	474.7	4.9	B1/500		G1/500
BVH	(80°-90°)	61.1	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1289.4	1289.4	1289.4	1289.4	*1289.4*	1289.4	1289.4	1289.4	1289.4	1289.4	1289.4
2.5°	1189.0	1196.3	1199.4	1197.9	*1205.7*	1204.7	1215.6	1229.2	1248.1	1266.4	1293.1
5°	1097.4	1105.3	1112.1	1118.3	*1133.5*	1138.2	1155.5	1181.6	1216.2	1251.2	1295.1
7.5°	1012.2	1019.0	1029.4	1040.9	*1066.6*	1071.3	1100.0	1140.8	1189.0	1240.2	1300.9
10°	942.6	949.4	960.4	973.5	*1005.4*	1011.1	1047.7	1102.1	1164.9	1229.8	1307.2
12.5°	912.8	914.9	921.1	934.2	*961.9*	965.6	1005.9	1068.1	1141.4	1221.9	1316.6
15°	911.2	915.4	915.9	922.7	*945.7*	947.3	984.4	1046.2	1126.7	1220.3	1330.7
17.5°	926.9	930.0	925.3	929.5	*948.9*	951.5	980.8	1035.7	1122.0	1227.1	1354.8
20°	968.7	971.4	957.2	951.5	*965.6*	967.7	996.5	1042.5	1126.7	1241.3	1387.7
22.5°	1057.7	1059.2	1024.7	1001.2	*1002.2*	1003.3	1028.4	1070.2	1145.0	1266.9	1429.6
25°	1196.3	1195.2	1140.3	1094.8	*1068.7*	1062.9	1079.6	1115.2	1175.9	1300.9	1483.5
27.5°	1358.4	1350.6	1295.7	1227.7	*1170.7*	1162.3	1158.6	1173.8	1219.8	1345.9	1549.4
30°	1541.5	1534.2	1475.1	1386.2	*1307.2*	1293.6	1259.1	1251.2	1285.2	1407.1	1640.9
32.5°	1742.4	1737.7	1667.1	1559.3	*1453.6*	1437.9	1379.9	1359.0	1385.6	1499.7	1768.5
35°	1910.8	1906.6	1848.0	1737.1	*1607.9*	1588.6	1529.5	1505.9	1519.5	1618.4	1935.4
37.5°	2063.0	2060.9	2010.7	1923.4	*1790.0*	1766.4	1700.0	1692.2	1689.5	1774.8	2137.8
40°	2204.3	2199.0	2146.7	2100.7	*2001.8*	1980.4	1921.8	1915.0	1895.1	1967.3	2366.9
42.5°	2360.7	2347.1	2271.2	2249.8	*2223.1*	2205.3	2170.3	2171.3	2127.4	2184.4	2609.6
45°	2488.3	2480.4	2402.5	2390.0	*2418.7*	2411.4	2441.7	2449.6	2364.3	2411.9	2861.8
47.5°	2625.3	2618.0	2552.1	2543.2	*2621.2*	2623.2	2730.5	2733.1	2595.5	2648.4	3114.4
50°	2794.3	2783.8	2718.4	2729.4	*2816.8*	2824.6	3020.8	3003.0	2808.4	2888.4	3365.0
52.5°	2905.7	2912.0	2897.9	2915.6	*3034.9*	3042.2	3306.4	3260.9	3019.2	3125.4	3610.8
55°	2987.8	3000.4	3044.3	3085.1	*3265.1*	3272.4	3575.8	3506.2	3193.9	3345.1	3842.0
57.5°	3093.5	3075.7	3157.8	3237.3	*3483.7*	3503.1	3837.8	3742.6	3348.8	3534.5	4000.5
60°	3245.2	3232.6	3296.5	3414.1	*3728.5*	3759.4	4115.1	3955.5	3462.3	3684.6	4031.4
62.5°	3552.8	3521.4	3531.3	3635.4	*4037.1*	4077.9	4427.9	4141.2	3518.8	3743.2	3866.1
65°	4012.5	3958.7	3908.5	3980.6	*4471.8*	4512.1	4781.0	4287.2	3497.8	3629.7	3427.2
67.5°	4591.6	4538.2	4476.5	4544.5	*5112.1*	5144.0	5216.7	4369.3	3333.1	3192.4	2651.5
70°	5069.2	5049.3	5123.0	5402.9	*6134.7*	6135.7	5775.3	4301.3	2881.6	2263.4	1534.2
72.5°	5005.9	4993.8	5382.5	6247.7	*7423.6*	7395.8	6304.2	3786.6	1941.2	1021.1	574.9
75°	*4106.7*	*4184.6*	*4786.7*	*6232.5*	*7886.5*	*7882.8*	*5980.4*	*2407.2*	*802.9*	*423.2*	*297.1*
77.5°	2202.2	2325.6	3107.6	4601.5	*6156.7*	6249.2	4204.5	842.2	344.7	271.0	205.6
80°	718.2	825.9	1238.7	2342.9	*4000.5*	3983.3	1802.0	330.6	235.9	192.0	142.3
82.5°	305.0	317.5	553.4	1106.3	*2053.1*	2021.2	573.8	189.9	165.8	131.3	87.9
85°	119.3	133.4	244.3	511.6	*889.2*	869.9	207.1	94.2	106.2	85.8	52.3
87.5°	39.2	47.6	87.4	175.2	*276.7*	266.8	50.7	32.4	46.0	39.2	18.8
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°	1289.4	1289.4	1289.4	1289.4	1289.4	1289.4	1289.4	1289.4	1289.4	1289.4	1289.4
2.5°	1300.4	1308.7	1318.7	1333.3	1345.9	1356.3	1367.3	1374.1	1376.7	1384.6	1384.1
5°	1309.8	1328.1	1352.7	1376.7	1400.3	1414.4	1427.0	1433.2	1439.0	1443.2	1444.2
7.5°	1325.5	1349.0	1387.7	1419.1	1439.0	1450.5	1458.9	1456.8	1458.9	1459.9	1461.5
10°	1339.1	1372.0	1418.1	1447.9	1463.1	1463.6	1461.5	1454.2	1450.5	1451.0	1452.1
12.5°	1355.3	1391.9	1441.6	1466.7	1470.9	1459.4	1450.5	1437.9	1433.2	1431.1	1430.1
15°	1377.3	1419.1	1467.2	1476.7	1466.2	1451.5	1436.4	1416.0	1405.5	1397.1	1399.8
17.5°	1403.9	1450.0	1487.1	1480.3	1457.8	1433.8	1409.2	1378.3	1356.9	1348.0	1348.5
20°	1441.1	1482.4	1502.3	1472.5	1438.5	1401.9	1360.0	1322.3	1302.5	1293.6	1292.5
22.5°	1486.1	1525.8	1516.9	1458.9	1410.7	1352.2	1299.9	1272.1	1262.2	1255.9	1257.0
25°	1539.9	1573.9	1527.4	1439.0	1365.2	1286.3	1246.0	1237.1	1232.4	1227.7	1227.7
27.5°	1610.0	1628.3	1535.2	1409.7	1294.1	1216.2	1201.5	1203.1	1201.5	1193.7	1195.2
30°	1702.6	1699.0	1542.6	1362.1	1212.5	1152.9	1153.9	1160.7	1161.8	1156.5	1159.1
32.5°	1824.5	1787.4	1546.2	1300.4	1134.6	1097.4	1098.5	1105.8	1111.0	1102.1	1106.3
35°	1972.0	1890.4	1540.5	1223.0	1074.4	1044.6	1036.7	1038.8	1040.4	1032.0	1037.8
37.5°	2144.1	2006.0	1514.8	1137.2	1024.7	992.8	976.1	961.9	953.6	945.7	951.0
40°	2332.9	2132.1	1467.8	1053.5	969.3	937.9	912.8	886.1	857.9	847.4	852.1
42.5°	2530.7	2261.8	1410.7	973.5	905.5	879.8	853.1	814.4	772.1	750.6	753.2
45°	2735.7	2394.7	1354.8	894.5	840.1	829.1	798.2	751.7	705.6	678.4	676.3
47.5°	2936.6	2520.2	1272.7	815.0	778.9	790.9	766.8	723.9	672.7	629.8	625.1
50°	3128.5	2637.9	1138.2	734.4	729.2	779.4	756.4	694.7	636.1	581.1	576.4
52.5°	3318.9	2733.1	966.1	661.2	702.5	776.3	742.8	674.8	603.1	545.6	539.3
55°	3480.6	2782.3	800.3	598.4	663.8	749.6	726.6	651.2	556.6	495.4	490.1
57.5°	3572.6	2742.5	662.2	536.7	610.4	705.6	698.8	601.0	501.1	454.0	447.8
60°	3532.9	2581.4	549.2	482.8	559.7	658.0	650.7	551.3	458.7	414.3	408.0
62.5°	3313.7	2274.4	459.8	435.7	513.7	609.4	602.6	513.1	426.3	383.4	376.6
65°	2872.2	1850.1	390.2	396.5	467.1	550.8	560.7	481.2	400.7	358.8	352.0
67.5°	2190.7	1340.1	335.8	362.5	421.6	493.3	522.0	458.2	379.2	339.5	333.2
70°	1248.6	761.1	289.8	329.5	381.3	439.9	492.2	439.9	356.2	323.3	319.1
72.5°	473.4	349.4	250.6	296.6	342.6	394.9	459.3	411.1	329.5	305.0	300.8
75°	*252.6*	*212.9*	*210.8*	*257.9*	*298.2*	*351.0*	*417.9*	*382.9*	*309.7*	*322.2*	*332.7*
77.5°	172.1	150.6	176.3	220.7	249.5	302.3	374.0	340.0	268.3	267.3	246.4
80°	119.3	106.7	143.3	177.8	193.0	254.2	326.4	291.9	218.6	204.0	195.1
82.5°	71.7	69.6	107.2	132.9	136.5	196.2	270.4	244.8	178.9	155.9	156.9
85°	39.2	41.3	68.5	77.9	79.5	137.0	211.8	189.4	137.6	115.6	116.6
87.5°	11.0	14.1	25.1	30.9	38.2	71.1	126.1	112.5	69.0	48.1	48.1
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

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(END OF REPORT)