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: P1203464

Luminaire Tested: GWC-SB2C-827-U-SL4-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203464
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2C-827-U-SL4-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9089 lumens
Efficiency:	N/A
Efficacy:	90.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	100.9
Input Voltage (V):	120.0
Input Current (Ain):	0.857
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.472
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

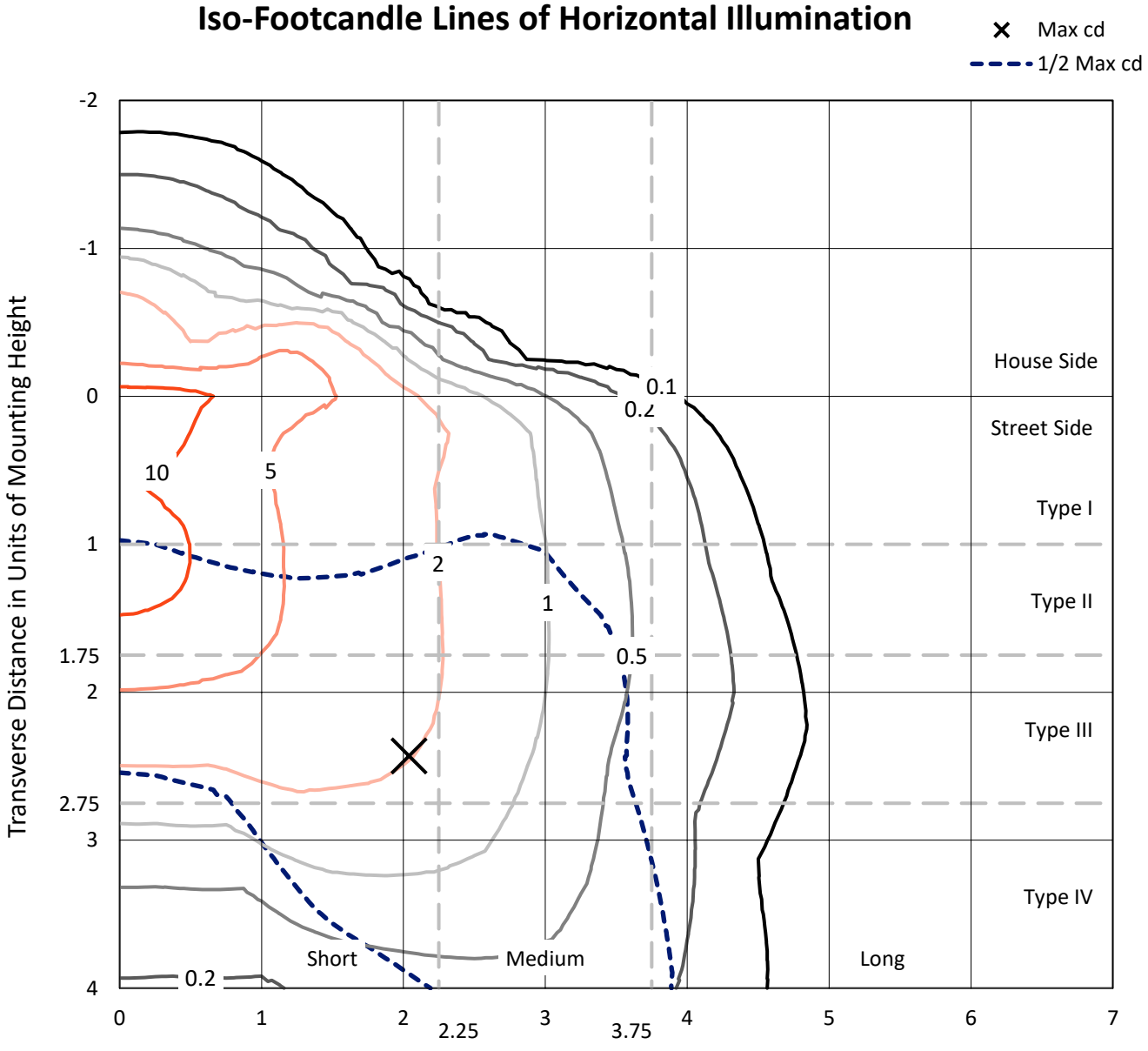


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Iso-Footcandle Lines of Horizontal Illumination



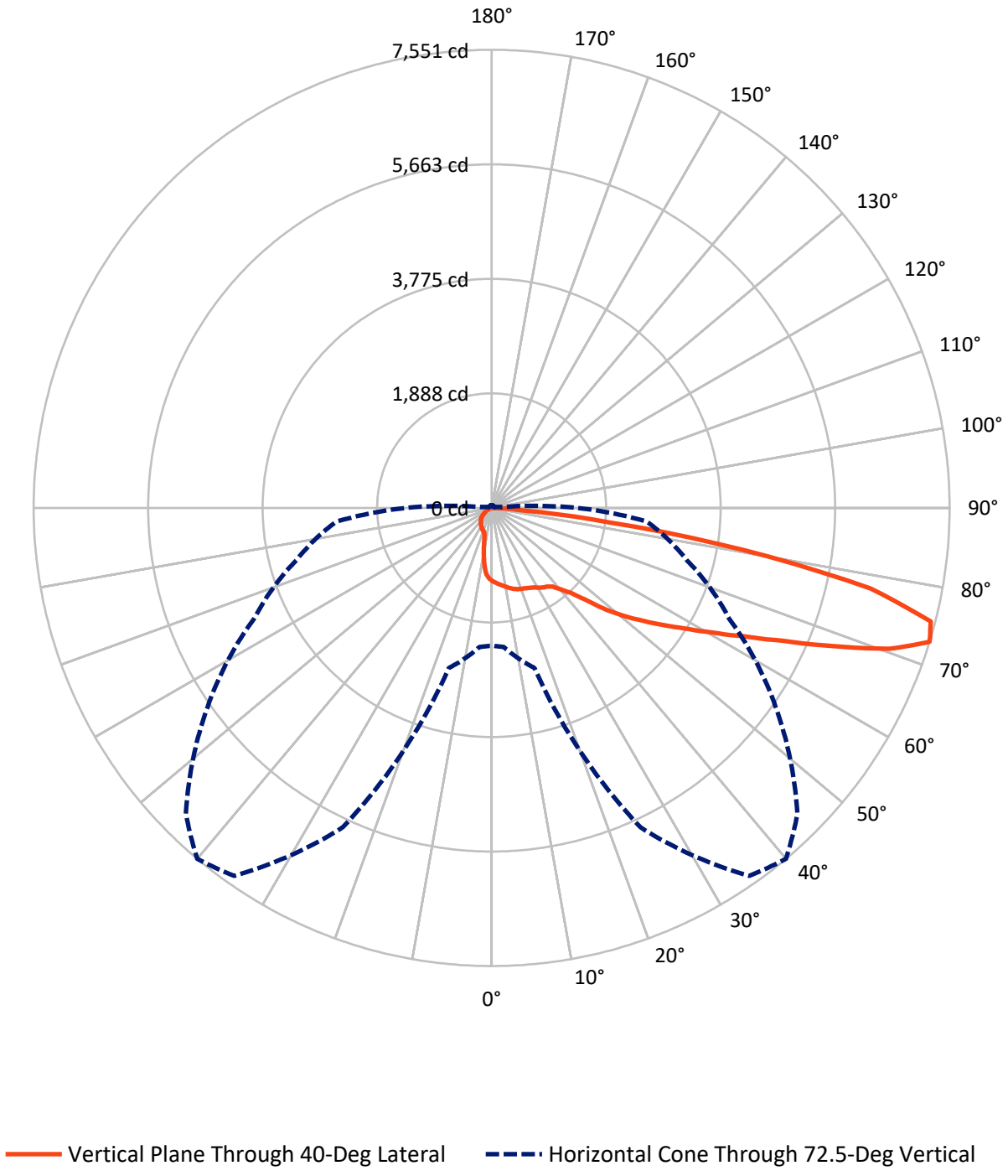
Based on 10 foot mounting height. Maximum calculated value = 13.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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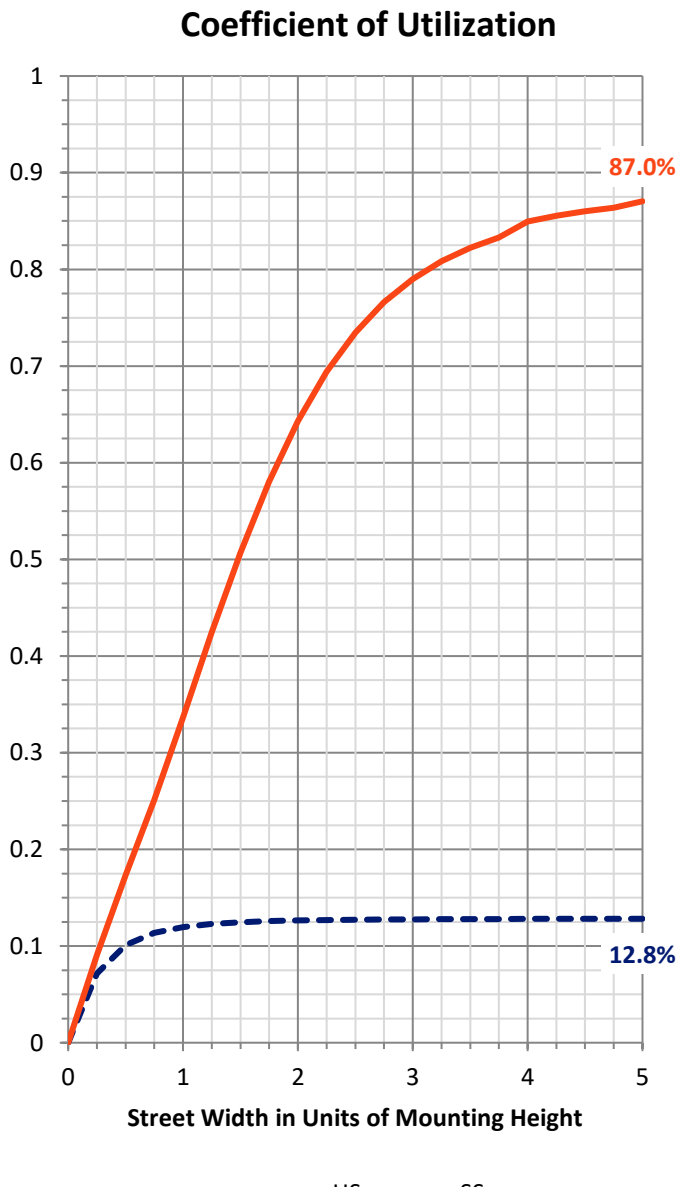
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1173.8	0.0	1173.8
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	7915.2	0.0	7915.2
	% Fixture	87.1	0.0	87.1
Total	Lumens	9089.0	0.0	9089.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	1.2
10°-20°	298.5	3.3
20°-30°	483.0	5.3
30°-40°	713.0	7.8
40°-50°	1200.0	13.2
50°-60°	1863.3	20.5
60°-70°	2331.5	25.7
70°-80°	1908.8	21.0
80°-90°	181.0	2.0
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°	9089.0	100.0
0°-180°	9089.0	100.0



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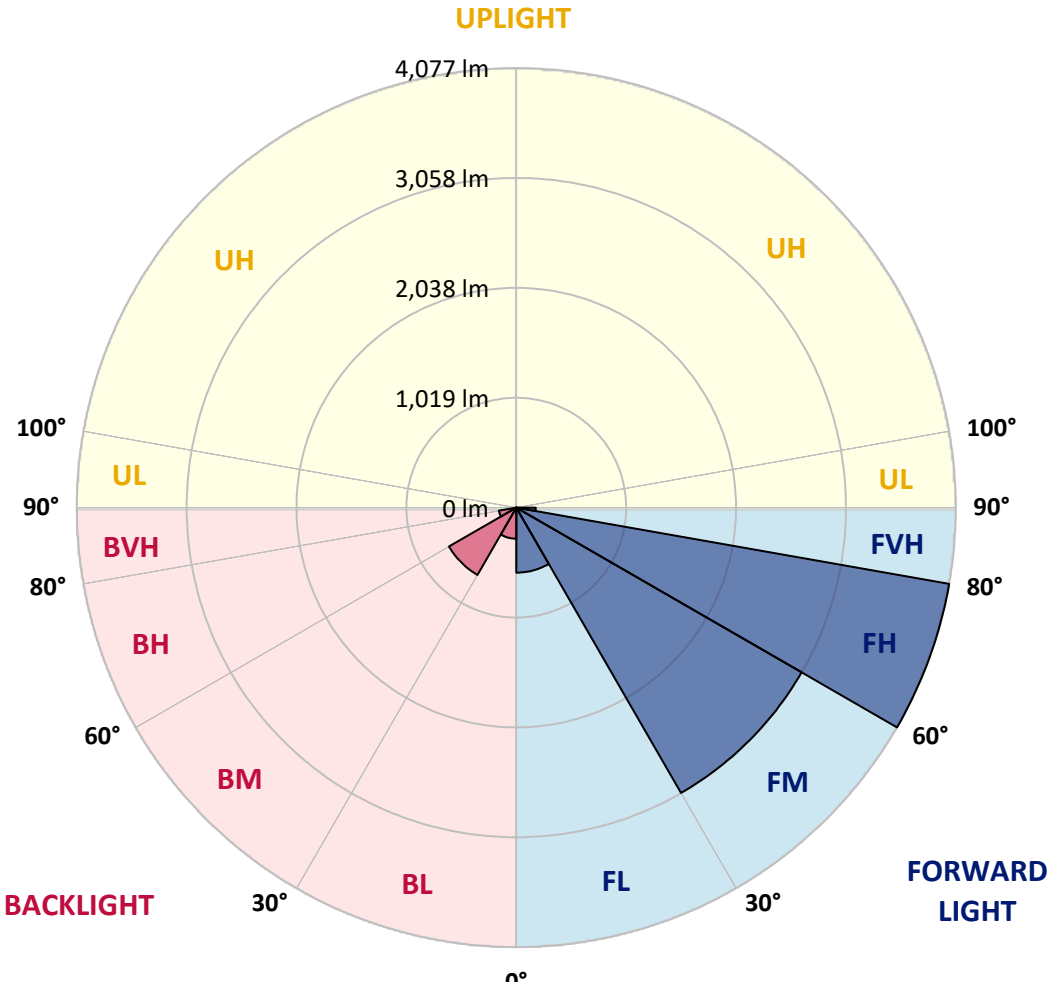
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	603.2	6.6			
FM	(30°-60°)	3055.6	33.6			
FH	(60°-80°)	4076.8	44.9			G2/5000
FVH	(80°-90°)	179.6	2.0			G2/225
BL	(0°-30°)	288.1	3.2	B1/500		
BM	(30°-60°)	720.8	7.9	B1/1000		
BH	(60°-80°)	163.5	1.8	B1/500		G1/500
BVH	(80°-90°)	1.4	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1203.5	1203.5	1203.5	1203.5	1203.5	*1203.5*	1203.5	1203.5	1203.5	1203.5	1203.5
2.5°	1239.7	1244.5	1241.8	1236.3	1234.9	*1232.2*	1228.8	1227.4	1222.6	1218.5	1213.7
5°	1274.7	1279.4	1276.0	1268.5	1265.1	*1261.6*	1256.9	1252.7	1243.2	1234.3	1223.3
7.5°	1313.0	1317.1	1313.0	1302.0	1296.6	*1292.5*	1285.6	1279.4	1268.5	1255.5	1241.8
10°	1355.4	1358.9	1352.7	1338.3	1329.4	*1323.3*	1317.1	1310.2	1300.0	1285.6	1269.2
12.5°	1395.1	1399.2	1389.7	1372.5	1362.3	*1356.1*	1349.3	1343.8	1333.5	1319.8	1302.7
15°	1431.4	1437.6	1421.1	1402.7	1391.0	*1386.2*	1379.4	1376.0	1369.1	1359.5	1343.8
17.5°	1458.8	1462.9	1445.8	1423.9	1410.9	*1407.5*	1402.7	1404.7	1403.3	1398.6	1388.3
20°	1482.1	1484.8	1462.2	1435.5	1421.1	*1421.8*	1420.5	1427.3	1430.0	1430.0	1429.4
22.5°	1510.8	1511.5	1482.8	1449.2	1432.1	*1436.9*	1438.9	1446.5	1452.0	1457.4	1469.8
25°	1548.5	1547.1	1512.9	1467.0	1452.0	*1458.8*	1463.6	1466.3	1472.5	1481.4	1509.5
27.5°	1604.6	1600.5	1556.7	1495.8	1478.0	*1484.1*	1493.0	1491.7	1488.9	1495.8	1543.0
30°	1675.8	1670.3	1612.1	1536.2	1519.7	*1525.2*	1527.9	1515.6	1495.8	1501.9	1572.4
32.5°	1788.8	1779.2	1698.4	1581.3	1556.0	*1562.2*	1558.7	1533.4	1504.0	1510.1	1601.9
35°	1985.2	1962.0	1847.6	1675.8	1597.1	*1590.2*	1582.0	1557.4	1521.1	1514.9	1626.5
37.5°	2402.8	2361.7	2166.6	1860.0	1690.2	*1645.7*	1620.4	1595.7	1539.6	1514.9	1654.6
40°	2873.8	2832.0	2606.8	2168.0	1844.9	*1769.6*	1709.3	1640.9	1558.7	1523.8	1698.4
42.5°	3365.3	3319.4	3088.1	2550.0	2066.0	*1911.3*	1799.0	1677.2	1590.2	1551.2	1756.6
45°	3914.3	3856.8	3554.2	2948.4	2387.1	*2146.8*	1943.5	1751.8	1645.0	1599.8	1836.0
47.5°	4493.5	4418.8	4019.1	3335.2	2732.8	*2472.6*	2207.7	1885.3	1725.8	1672.4	1943.5
50°	5006.9	4932.9	4498.9	3739.8	3055.9	*2782.7*	2508.9	2070.1	1846.9	1775.1	2087.9
52.5°	5375.9	5319.7	4935.7	4157.3	3392.0	*3073.7*	2782.1	2285.1	2000.3	1906.5	2258.4
55°	5623.0	5571.6	5245.1	4553.0	3782.9	*3394.1*	3051.1	2518.5	2185.1	2063.9	2446.6
57.5°	5772.9	5743.5	5469.0	4906.2	4170.3	*3744.5*	3359.1	2775.2	2402.8	2249.5	2656.8
60°	5826.3	5802.3	5607.9	5243.0	4638.6	*4165.6*	3721.3	3064.8	2667.0	2460.3	2872.4
62.5°	5683.9	5688.7	5707.9	5642.1	5132.1	*4658.4*	4155.3	3412.5	2960.0	2699.2	3075.0
65°	5013.7	5053.4	5417.6	6084.4	5785.9	*5275.9*	4707.7	3837.0	3295.5	2971.0	3235.9
67.5°	4151.2	4208.7	4661.9	6343.1	6482.8	*6077.5*	5477.2	4377.8	3695.3	3247.6	3296.8
70°	3177.7	3239.3	3788.4	6289.1	7135.2	*6953.8*	6428.7	5065.7	4109.4	3439.2	3141.4
72.5°	*2267.9*	*2299.4*	*2732.1*	*5807.8*	*7402.8*	*7550.7*	*7129.7*	*5717.4*	*4320.9*	*3333.1*	*2562.3*
75°	1593.7	1588.2	1875.0	4676.9	6985.9	*7478.1*	6883.9	5364.9	3910.2	2647.9	1580.0
77.5°	694.1	695.5	936.5	2840.2	5575.7	*6386.9*	5722.2	3360.5	2725.9	1403.3	666.8
80°	180.0	185.5	343.6	1130.9	3357.1	*4215.5*	3489.9	1477.3	1259.6	342.3	127.3
82.5°	63.7	67.8	158.1	355.3	1238.4	*1933.2*	1554.0	472.3	328.6	97.9	34.2
85°	18.5	21.9	84.9	108.8	256.0	*546.3*	377.2	91.7	80.8	50.7	8.9
87.5°	0.0	2.7	17.1	15.1	15.1	*10.3*	19.2	10.3	13.0	6.2	2.7
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°	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5
2.5°	1209.6	1204.8	1194.6	1183.6	1173.3	1163.8	1161.0	1150.7	1146.0	1146.6	1146.0
5°	1215.8	1206.9	1187.0	1163.1	1138.4	1110.4	1087.1	1054.2	1026.2	1022.7	1020.7
7.5°	1232.2	1217.8	1185.7	1139.1	1077.5	1000.1	928.3	857.1	816.7	794.8	793.4
10°	1257.5	1238.4	1189.1	1100.1	969.3	831.1	722.2	632.5	586.7	565.4	561.3
12.5°	1287.7	1266.4	1194.6	1033.7	829.7	648.3	530.5	475.8	466.2	464.8	464.1
15°	1330.1	1306.8	1200.7	944.0	678.4	493.6	439.5	440.2	447.7	451.8	451.1
17.5°	1377.3	1354.1	1191.8	834.5	529.2	421.7	420.3	426.5	437.4	441.5	440.9
20°	1425.3	1403.3	1160.3	705.8	427.9	401.8	407.3	414.2	425.1	430.6	430.6
22.5°	1474.5	1455.4	1110.4	568.9	386.1	387.5	394.3	401.2	413.5	419.6	419.6
25°	1527.3	1510.8	1044.0	455.9	368.3	372.4	381.3	389.5	402.5	410.1	410.1
27.5°	1580.7	1568.3	968.7	380.6	351.9	356.7	366.9	377.9	390.9	399.8	400.5
30°	1638.8	1632.0	908.4	352.5	336.1	340.2	351.9	364.2	378.6	389.5	390.9
32.5°	1698.4	1697.0	879.0	373.1	321.7	324.5	334.8	347.1	364.9	378.6	379.9
35°	1757.3	1760.0	861.9	431.3	317.0	309.4	316.3	327.2	348.4	365.6	368.3
37.5°	1832.6	1839.4	861.2	494.3	328.6	294.4	299.2	306.7	325.2	345.0	348.4
40°	1944.8	1981.1	905.0	548.3	349.1	280.7	282.0	283.4	293.0	309.4	314.9
42.5°	2094.1	2200.2	1063.1	585.3	357.3	268.3	263.6	256.0	254.7	263.6	268.3
45°	2279.6	2465.1	1341.1	605.8	349.1	254.7	241.6	221.8	214.3	220.4	220.4
47.5°	2498.0	2755.4	1670.3	610.6	335.4	237.5	214.3	188.3	182.1	184.1	183.5
50°	2710.9	2973.0	1959.9	570.9	312.8	215.6	184.1	162.2	158.1	158.8	158.8
52.5°	2899.1	3047.7	2042.0	477.1	282.7	188.9	158.1	143.1	140.3	140.3	139.7
55°	3023.7	2966.9	1820.9	364.9	245.1	161.6	135.5	128.0	126.6	126.0	124.6
57.5°	3049.7	2704.0	1375.3	263.6	191.7	136.2	120.5	116.4	113.6	110.9	109.5
60°	2956.6	2265.9	875.6	184.1	143.8	116.4	106.8	104.1	98.6	93.1	91.0
62.5°	2755.4	1711.4	484.7	128.0	115.7	99.3	94.5	91.0	80.8	71.9	69.1
65°	2485.0	1137.7	214.3	99.9	94.5	83.5	80.8	76.0	63.7	53.4	51.3
67.5°	2213.2	655.1	96.5	80.1	76.0	68.5	66.4	63.0	54.1	44.5	43.1
70°	1903.1	332.0	66.4	63.7	58.9	52.0	54.1	53.4	44.5	36.3	34.9
72.5°	*1417.0*	*165.0*	*50.0*	*47.9*	*42.4*	*37.0*	*44.5*	*43.8*	*34.9*	*27.4*	*26.0*
75°	802.3	81.5	36.3	33.5	25.3	27.4	35.6	33.5	24.0	17.8	16.4
77.5°	318.3	41.8	24.0	20.5	15.1	18.5	26.0	22.6	12.3	7.5	6.8
80°	73.2	20.5	12.3	8.9	6.8	11.0	13.7	8.2	3.4	0.7	0.0
82.5°	20.5	8.9	4.1	3.4	3.4	4.1	3.4	1.4	0.0	0.0	0.0
85°	6.8	4.1	1.4	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
87.5°	2.7	1.4	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


HS
SS

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(END OF REPORT)