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: P1203476

Luminaire Tested: GWC-SB2C-827-U-T4W-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203476
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2C-827-U-T4W-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10030 lumens
Efficiency:	N/A
Efficacy:	99.4 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

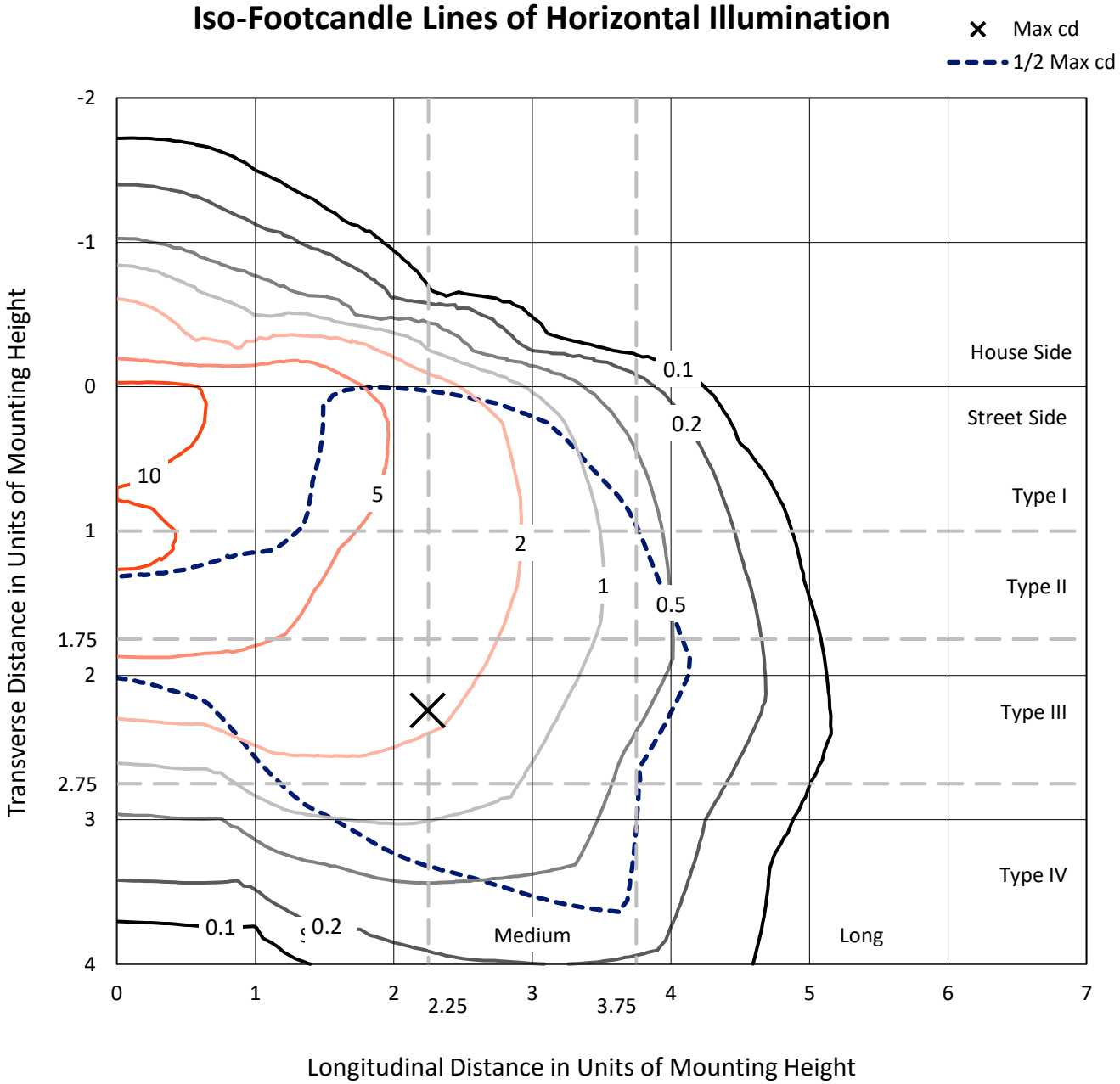


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Iso-Footcandle Lines of Horizontal Illumination



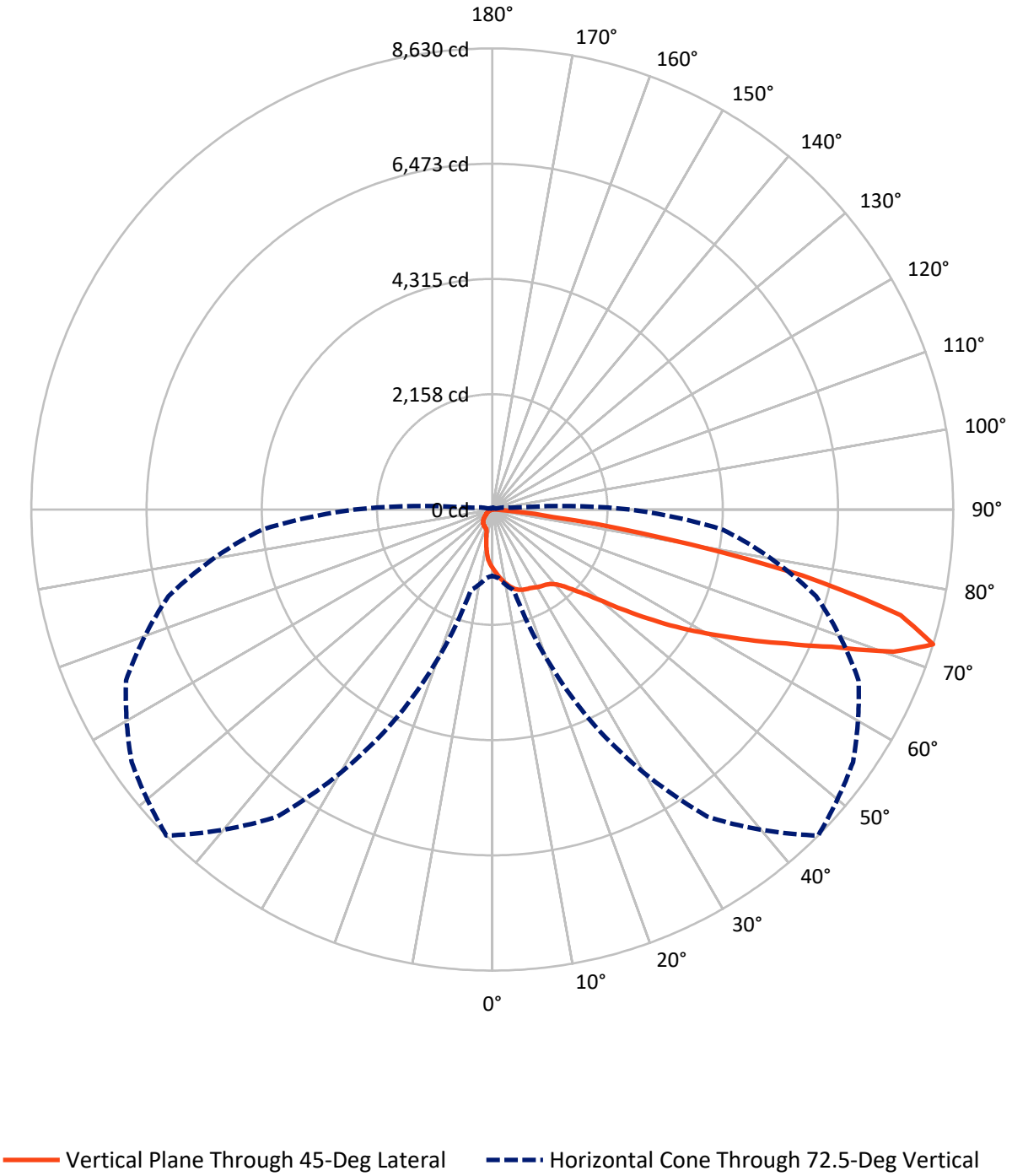
Based on 10 foot mounting height. Maximum calculated value = 15.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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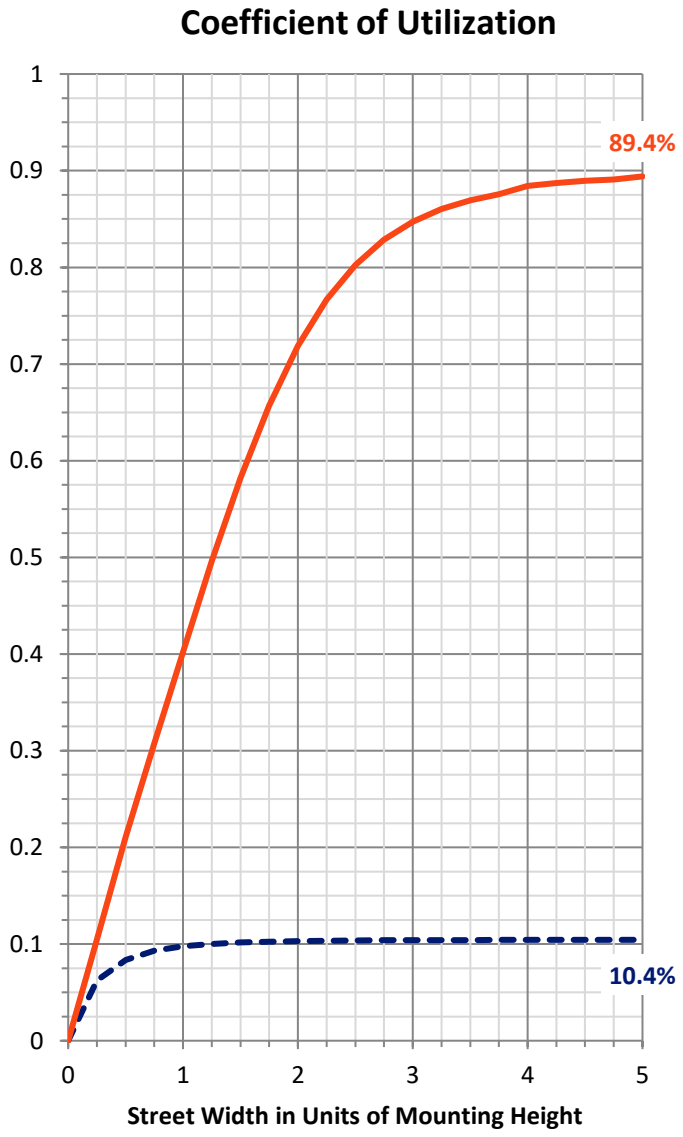
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1053.9	0.0	1053.9
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	8976.1	0.0	8976.1
	% Fixture	89.5	0.0	89.5
Total	Lumens	10030.0	0.0	10030.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.5	1.0
10°-20°	302.6	3.0
20°-30°	496.9	5.0
30°-40°	704.7	7.0
40°-50°	1164.8	11.6
50°-60°	2092.4	20.9
60°-70°	2905.4	29.0
70°-80°	2107.5	21.0
80°-90°	152.4	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°	10030.0	100.0
0°-180°	10030.0	100.0



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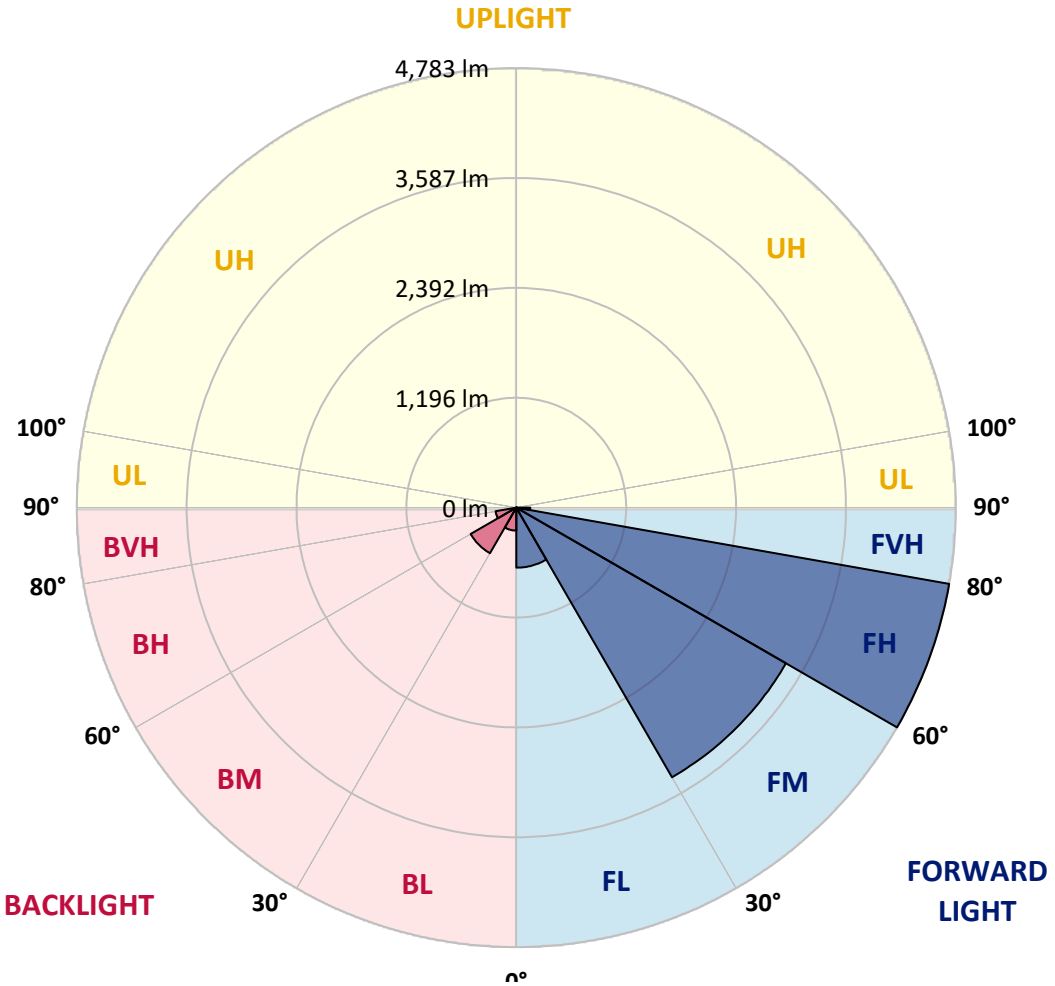
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	653.4	6.5			
FM	(30°-60°)	3388.7	33.8			
FH	(60°-80°)	4783.0	47.7			G2/5000
FVH	(80°-90°)	151.1	1.5			G2/225
BL	(0°-30°)	249.6	2.5	B1/500		
BM	(30°-60°)	573.2	5.7	B1/1000		
BH	(60°-80°)	229.8	2.3	B1/500		G1/500
BVH	(80°-90°)	1.3	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°	45°	46°	55°	65°	75°	85°
0°	1098.8	1098.8	1098.8	1098.8	1098.8	*1098.8*	1098.8	1098.8	1098.8	1098.8	1098.8
2.5°	1200.1	1202.2	1200.8	1192.6	1178.9	*1171.4*	1167.3	1153.6	1144.7	1128.9	1112.5
5°	1310.4	1318.6	1313.8	1297.3	1271.3	*1252.8*	1247.4	1219.3	1194.0	1164.5	1130.3
7.5°	1427.4	1431.5	1422.6	1401.4	1366.5	*1335.0*	1330.2	1291.2	1250.8	1205.6	1159.1
10°	1528.7	1533.5	1519.8	1489.0	1449.3	*1410.3*	1403.5	1360.3	1312.4	1257.0	1197.4
12.5°	1613.6	1618.4	1600.6	1563.7	1519.8	*1479.5*	1472.6	1427.4	1374.7	1313.1	1239.2
15°	1678.0	1686.9	1662.9	1623.2	1576.0	*1535.6*	1532.2	1487.7	1436.3	1367.9	1289.1
17.5°	1715.6	1724.5	1702.0	1654.0	1613.6	*1579.4*	1575.3	1538.3	1490.4	1424.7	1337.7
20°	1721.8	1730.0	1706.1	1664.3	1630.8	*1603.4*	1601.3	1574.6	1539.7	1476.7	1390.5
22.5°	1703.3	1713.6	1691.7	1658.1	1634.9	*1620.5*	1617.7	1602.7	1582.8	1529.4	1439.7
25°	1684.2	1692.4	1675.9	1646.5	1634.2	*1632.8*	1634.9	1632.1	1628.0	1582.8	1497.3
27.5°	1682.8	1691.7	1673.2	1645.1	1638.3	*1652.7*	1654.7	1667.7	1671.1	1631.4	1552.7
30°	1694.4	1700.6	1682.8	1653.3	1649.9	*1682.8*	1683.5	1706.7	1712.2	1672.5	1607.5
32.5°	1719.8	1726.6	1708.8	1665.7	1660.9	*1706.7*	1708.8	1739.6	1748.5	1716.3	1665.0
35°	1779.3	1787.5	1767.0	1699.9	1682.8	*1729.3*	1735.5	1771.8	1789.6	1762.9	1724.5
37.5°	1927.9	1903.9	1875.8	1769.0	1732.8	*1764.9*	1775.2	1817.7	1849.1	1818.3	1795.7
40°	2296.9	2221.6	2133.9	1886.8	1820.4	*1840.9*	1849.1	1891.6	1934.7	1904.6	1893.6
42.5°	2850.7	2761.7	2620.7	2157.9	1952.5	*1962.8*	1969.0	2005.9	2066.9	2042.9	2045.6
45°	3344.3	3312.2	3168.4	2620.7	2199.7	*2149.0*	2156.5	2175.7	2265.4	2256.5	2274.3
47.5°	3723.6	3705.1	3594.2	3152.0	2617.3	*2377.0*	2398.2	2407.1	2536.5	2568.0	2615.9
50°	4015.3	4008.4	3909.2	3624.4	3162.9	*2713.1*	2720.7	2701.5	2895.2	2973.3	3064.3
52.5°	4290.5	4313.8	4240.5	4063.2	3745.5	*3153.3*	3152.0	3061.6	3323.1	3440.9	3596.3
55°	4539.0	4547.2	4554.7	4510.9	4331.6	*3654.5*	3641.5	3493.6	3819.5	3941.3	4109.7
57.5°	4772.5	4775.9	4843.0	4932.7	4941.6	*4192.6*	4168.6	3991.3	4361.7	4448.6	4552.0
60°	4929.2	4945.0	5086.7	5335.9	5444.7	*4747.8*	4734.8	4554.1	4913.5	4953.9	4934.7
62.5°	4703.3	4799.2	5156.5	5650.8	5919.9	*5363.3*	5357.1	5187.3	5494.0	5461.2	5296.9
65°	3807.1	3969.4	4597.9	5863.7	6386.1	*6050.6*	6059.5	5878.8	6090.3	5983.5	5591.3
67.5°	2663.2	2834.3	3577.8	5880.8	6907.1	*6857.8*	6909.1	6625.7	6723.6	6484.0	5661.1
70°	1841.6	1929.9	2414.0	5512.5	7313.1	*7969.6*	7968.2	7543.1	7353.5	6712.0	5305.1
72.5°	*1238.5*	*1284.3*	*1567.8*	*4373.3*	*7014.6*	*8630.3*	*8590.6*	*8244.1*	*7565.7*	*6277.2*	*4334.3*
75°	522.4	555.9	725.7	2457.8	5549.5	*7895.7*	7788.2	7285.7	6722.2	4942.9	2704.2
77.5°	165.7	180.1	286.2	879.7	3056.8	*5934.9*	5821.3	4550.0	4505.5	2479.7	988.6
80°	78.7	91.7	160.9	353.3	1202.9	*3228.0*	3212.2	2064.1	1938.1	669.6	198.5
82.5°	34.2	40.4	89.0	189.0	538.1	*1151.5*	1174.8	702.4	581.2	254.0	60.9
85°	11.0	14.4	41.1	86.9	227.3	*286.2*	282.7	167.0	234.1	138.3	21.2
87.5°	0.0	0.0	13.7	19.9	23.3	*16.4*	18.5	14.4	65.0	38.3	7.5
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°	1098.8	1098.8	1098.8	1098.8	1098.8	1098.8	1098.8	1098.8	1098.8	1098.8	1098.8
2.5°	1104.3	1093.3	1074.2	1056.4	1040.6	1024.9	1015.3	1001.6	1000.2	1000.2	1003.6
5°	1111.8	1094.0	1059.8	1023.5	981.7	942.0	902.3	864.0	851.7	842.8	846.9
7.5°	1133.7	1105.7	1051.6	982.4	903.0	816.1	755.1	689.4	664.1	650.4	652.4
10°	1165.2	1126.9	1044.7	923.5	794.8	676.4	589.5	518.3	490.9	479.2	479.2
12.5°	1200.1	1152.9	1032.4	850.3	676.4	534.7	449.8	416.9	412.8	412.8	412.8
15°	1241.9	1184.4	1011.2	764.0	552.5	423.1	393.0	394.3	398.4	401.2	401.2
17.5°	1285.0	1217.9	977.6	667.5	442.9	380.6	381.3	383.4	386.8	389.5	389.5
20°	1331.6	1251.5	933.1	564.8	380.0	368.3	370.4	372.4	375.2	376.5	377.2
22.5°	1381.6	1283.0	880.4	464.2	358.7	358.1	358.7	360.8	364.2	364.2	365.6
25°	1435.0	1317.9	820.2	390.9	347.8	347.8	349.2	350.5	353.3	353.3	353.9
27.5°	1489.7	1350.1	756.5	352.6	338.2	337.5	337.5	339.6	340.9	341.6	342.3
30°	1550.0	1387.7	692.8	344.4	330.7	327.2	325.2	326.6	327.9	328.6	330.0
32.5°	1611.6	1424.0	636.0	347.8	323.1	317.0	310.1	308.8	308.8	311.5	313.6
35°	1680.0	1463.7	592.2	359.4	319.0	301.9	291.0	284.8	285.5	289.6	291.6
37.5°	1762.2	1511.6	560.0	369.7	316.3	284.8	267.0	259.5	254.7	259.5	258.1
40°	1869.7	1582.1	536.7	377.9	312.9	264.9	241.0	228.7	219.8	222.5	221.1
42.5°	2027.8	1693.1	527.8	378.6	305.3	241.7	214.3	197.9	184.8	185.5	182.8
45°	2249.6	1868.3	573.7	369.7	288.9	216.3	186.2	164.3	156.1	154.0	151.3
47.5°	2553.6	2123.7	679.8	351.2	264.9	191.7	158.8	140.3	134.2	130.8	128.7
50°	2961.0	2451.6	797.6	330.7	241.0	168.4	136.2	124.6	120.5	117.1	116.4
52.5°	3433.3	2784.3	894.1	310.1	217.0	147.9	121.9	115.0	111.6	108.9	108.2
55°	3866.7	3013.7	888.6	288.2	193.7	131.4	111.6	107.5	103.4	100.6	99.3
57.5°	4136.4	3045.9	732.5	264.3	167.0	118.4	102.0	99.3	94.5	91.1	90.4
60°	4260.4	2862.4	513.5	232.8	140.3	106.1	91.7	90.4	84.2	79.4	78.0
62.5°	4283.0	2521.4	342.3	193.7	117.1	94.5	81.5	79.4	71.2	63.0	58.9
65°	4191.2	2034.0	236.9	151.3	100.0	82.2	69.8	65.7	56.8	48.6	45.9
67.5°	3900.9	1428.1	165.0	108.9	84.9	65.0	55.5	54.1	47.2	40.4	38.3
70°	3369.0	814.0	110.2	81.5	67.1	44.5	43.8	45.2	38.3	32.9	30.1
72.5°	*2583.1*	*372.4*	*68.5*	*59.6*	*45.9*	*30.1*	*34.9*	*35.6*	*29.4*	*24.6*	*21.9*
75°	1520.5	159.5	43.1	38.3	23.3	19.9	25.3	26.0	19.9	15.7	13.7
77.5°	517.6	60.2	27.4	22.6	11.6	11.0	16.4	16.4	11.0	6.2	4.8
80°	117.8	22.6	13.7	8.9	5.5	4.8	5.5	4.8	2.7	0.7	0.0
82.5°	33.5	8.9	5.5	3.4	2.1	2.1	0.7	0.0	0.0	0.0	0.0
85°	9.6	4.1	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.1	0.7	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)