

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P165360

Luminaire Tested: **VTS-F03-LED-E1-SL4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165360
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F03-LED-E1-SL4-HSS-8030
Description: VENTUS LED SITE LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

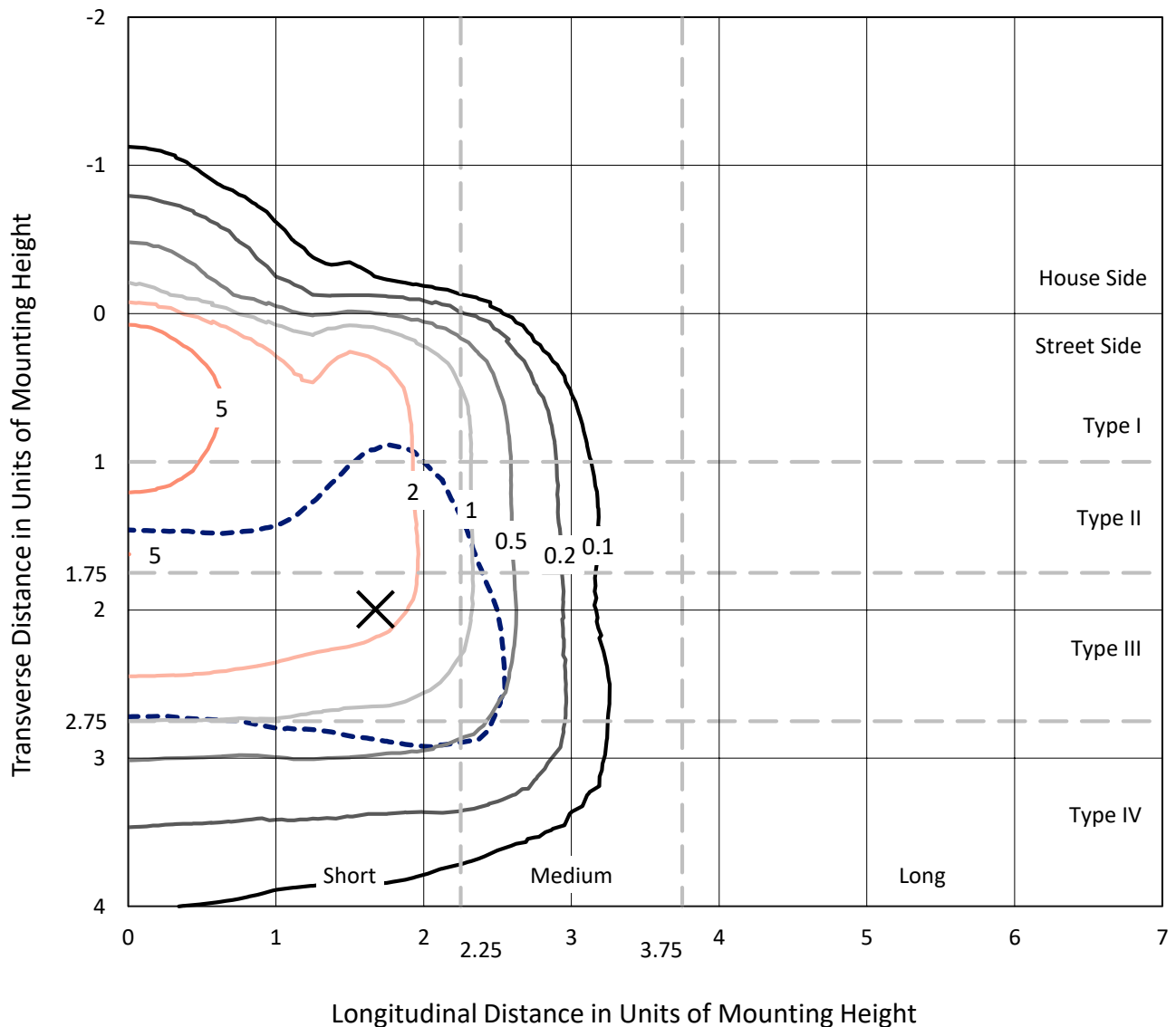
Lumens per Lamp: N/A
Luminaire Lumens: 4202.3 lumens
Efficiency: N/A
Efficacy: 53.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

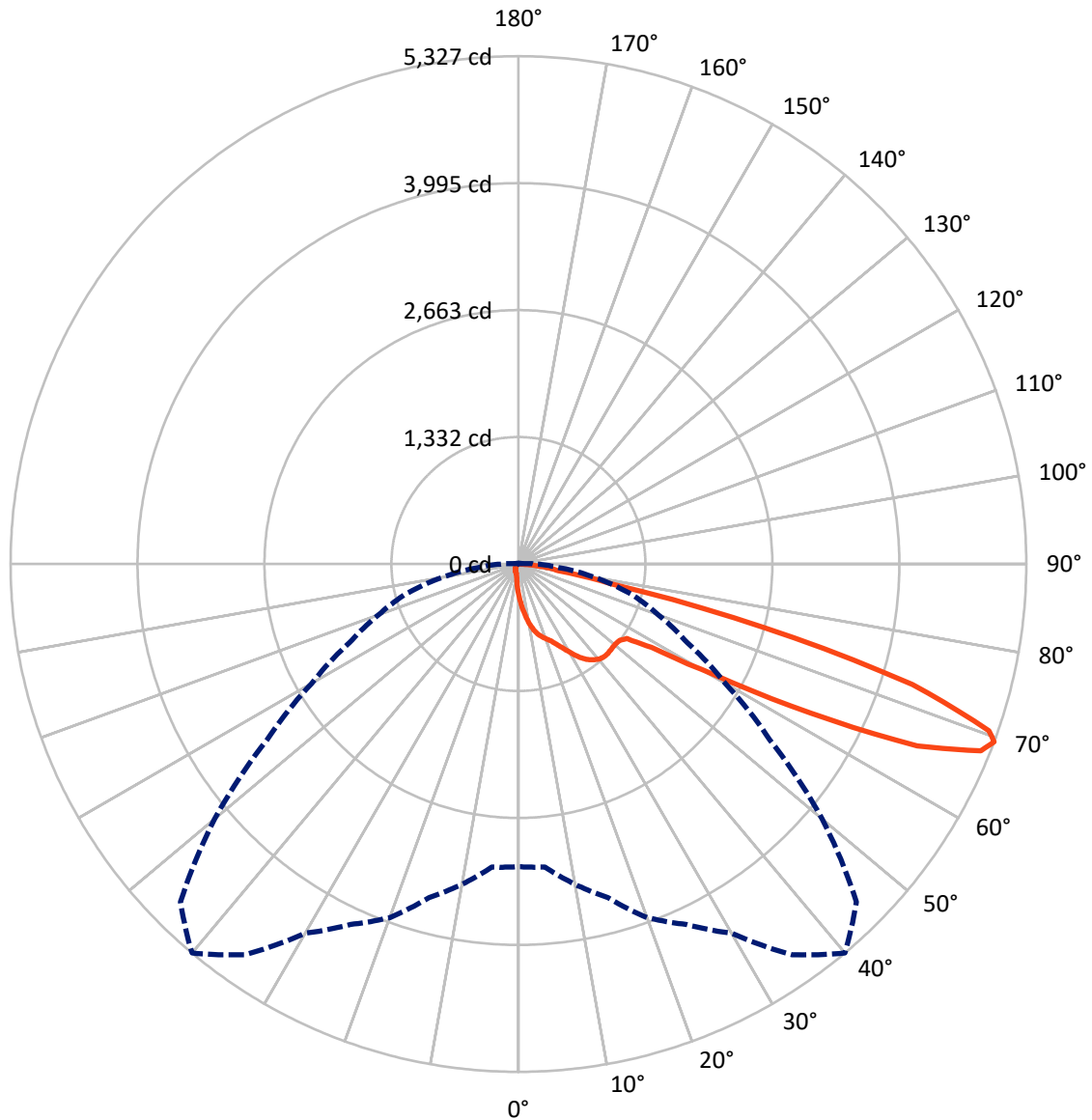


Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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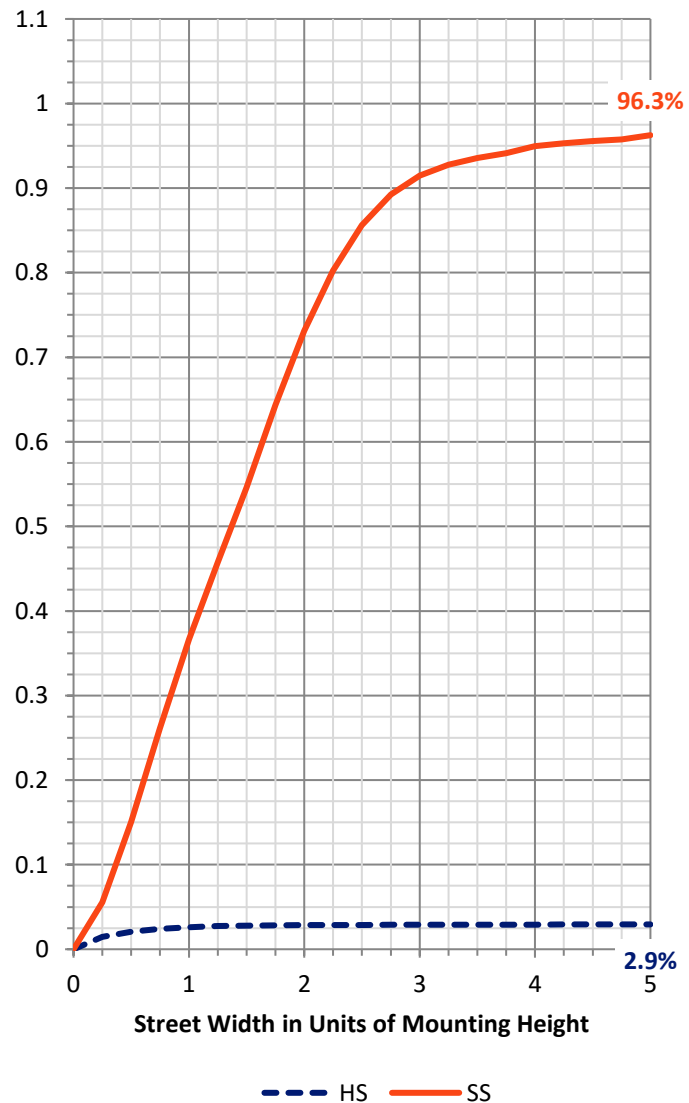
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	125.1	0.0	125.1
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	4077.2	0.0	4077.2
	% Fixture	97.0	0.0	97.0
Total	Lumens	4202.3	0.0	4202.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.6	0.8
10°-20°	112.5	2.7
20°-30°	215.2	5.1
30°-40°	358.0	8.5
40°-50°	484.4	11.5
50°-60°	757.5	18.0
60°-70°	1557.5	37.1
70°-80°	626.7	14.9
80°-90°	58.0	1.4
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°	4202.3	100.0
0°-180°	4202.3	100.0



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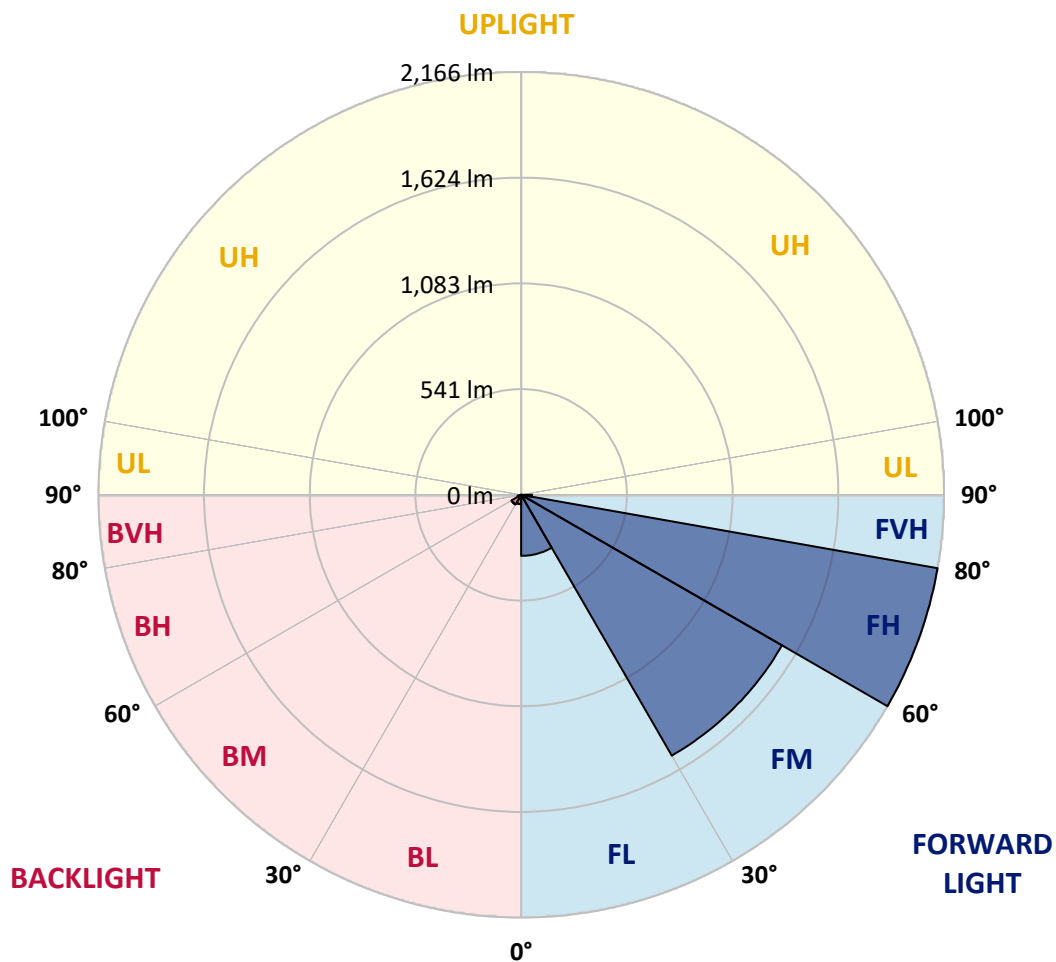
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	312.7	7.4			
FM	(30°-60°)	1542.7	36.7			
FH	(60°-80°)	2165.9	51.5			G2/5000
FVH	(80°-90°)	55.8	1.3			G1/100
BL	(0°-30°)	47.6	1.1	B0/110		
BM	(30°-60°)	57.1	1.4	B0/220		
BH	(60°-80°)	18.3	0.4	B0/110		G0/110
BVH	(80°-90°)	2.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4
2.5°	423.4	418.5	413.0	413.0	406.2	406.2	402.0	391.0	389.7	383.4	377.2
5°	540.4	536.3	529.4	523.2	517.7	508.0	501.1	488.1	473.6	459.8	447.5
7.5°	654.7	652.6	640.2	638.1	629.2	613.4	599.6	580.3	555.5	536.3	513.6
10°	760.7	755.9	753.1	741.4	728.4	711.1	689.8	666.4	637.5	607.2	574.8
12.5°	844.7	841.9	829.5	824.7	811.0	793.7	766.9	736.6	707.7	668.4	630.6
15°	907.3	902.5	894.2	886.7	870.2	855.0	830.2	797.2	762.1	719.4	674.0
17.5°	959.7	950.7	948.6	936.9	919.7	901.8	874.3	844.0	802.7	760.0	710.4
20°	1029.8	1017.5	1013.3	996.1	976.2	951.4	919.7	881.9	838.5	791.7	740.7
22.5°	1112.4	1103.5	1094.6	1079.4	1054.0	1018.9	972.7	931.4	876.3	824.7	769.7
25°	1229.5	1221.9	1207.5	1186.8	1155.1	1113.2	1057.4	996.8	932.1	866.0	801.3
27.5°	1343.1	1336.2	1325.9	1310.1	1274.2	1228.1	1159.3	1082.2	1000.2	920.4	848.8
30°	1449.8	1443.6	1433.3	1417.5	1385.8	1340.3	1262.5	1179.9	1078.0	985.1	899.1
32.5°	1564.8	1562.7	1551.0	1528.3	1500.7	1439.5	1354.8	1266.0	1162.7	1055.3	954.8
35°	1694.9	1679.0	1668.0	1645.3	1598.5	1533.1	1434.0	1336.9	1228.1	1118.0	1005.8
37.5°	1805.0	1789.9	1776.1	1747.2	1690.1	1606.7	1494.5	1387.8	1275.6	1163.4	1049.1
40°	1885.5	1878.0	1861.5	1823.6	1759.6	1660.5	1539.3	1422.9	1310.1	1197.1	1084.2
42.5°	1945.4	1933.7	1915.2	1875.9	1800.2	1687.3	1557.2	1437.4	1325.9	1217.8	1107.0
45°	1967.5	1957.9	1940.6	1897.9	1816.0	1694.9	1556.5	1433.3	1326.6	1224.0	1122.1
47.5°	1954.4	1944.8	1929.6	1889.7	1809.2	1685.9	1544.1	1421.5	1319.7	1226.1	1135.9
50°	1911.0	1905.5	1893.8	1860.1	1787.8	1668.7	1533.1	1415.4	1318.3	1236.4	1155.1
52.5°	1906.9	1903.5	1889.0	1855.3	1781.6	1663.2	1531.7	1418.8	1330.0	1249.5	1168.9
55°	2330.2	2281.4	2171.9	2079.0	1926.2	1744.4	1601.2	1474.6	1379.6	1301.1	1244.6
57.5°	3311.9	3239.0	3095.1	2918.2	2567.1	2222.2	1946.1	1746.5	1648.0	1612.3	1633.6
60°	3771.8	3758.7	3736.0	3652.0	3472.3	3175.7	2845.2	2487.9	2344.7	2332.3	2375.7
62.5°	3990.0	3981.8	3988.7	3978.3	3922.6	3835.8	3740.8	3586.6	3444.8	3353.2	3159.1
65°	4090.5	4096.1	4135.3	4166.2	4173.1	4195.8	4265.4	4457.4	4597.9	4361.8	3822.7
67.5°	3835.1	3867.5	3957.7	4070.6	4202.7	4330.8	4537.3	4942.1	5230.5	4953.1	4187.6
69°	3174.9	3190.8	3411.1	3623.8	3946.6	4172.5	4471.9	5002.7	5326.9	5013.7	4158.7
70°	2499.6	2514.1	2750.2	3039.3	3585.2	3875.7	4267.4	4900.1	5236.7	4933.1	4010.0
72.5°	1127.6	1107.0	1190.2	1345.1	1938.5	2399.8	3084.8	3970.1	4320.5	3952.2	3000.1
75°	787.5	778.6	787.5	788.2	880.5	1135.9	1433.3	2152.0	2661.4	2296.6	1433.3
77.5°	609.9	603.7	597.5	590.7	601.7	674.0	702.9	763.4	991.3	937.6	546.6
80°	482.6	477.1	492.2	487.4	487.4	495.7	490.2	467.4	424.7	393.8	352.5
82.5°	224.4	225.8	225.8	245.1	295.3	344.9	360.7	338.0	300.2	255.4	205.8
85°	21.3	24.1	40.6	62.7	124.6	140.4	141.1	117.0	117.0	92.3	74.3
87.5°	0.0	0.7	0.7	0.7	6.2	17.2	14.5	4.1	2.0	2.0	3.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4
2.5°	366.2	364.2	355.9	347.6	340.1	331.8	324.2	316.7	308.4	302.2	294.6
5°	428.2	413.0	395.8	379.3	362.8	345.6	327.7	311.9	295.3	280.2	265.7
7.5°	490.8	461.2	437.8	408.2	381.4	354.5	329.8	304.3	280.9	258.9	238.2
10°	543.8	508.0	471.6	433.7	395.1	359.3	324.9	294.6	263.7	236.8	211.4
12.5°	587.2	541.8	497.1	449.5	406.2	360.7	318.0	281.6	245.1	214.8	188.6
15°	626.4	574.1	520.4	465.4	410.3	358.7	311.1	265.7	228.5	194.1	164.5
17.5°	658.1	598.2	537.6	475.7	416.5	355.9	302.2	254.7	211.4	175.5	146.6
20°	685.7	623.0	557.6	488.1	420.6	355.2	294.6	241.0	196.2	158.4	130.1
22.5°	711.1	648.5	578.3	503.9	426.8	354.5	287.7	230.6	183.1	145.3	117.0
25°	740.1	674.0	600.3	520.4	437.8	357.3	283.6	222.4	171.4	132.9	106.7
27.5°	772.4	702.9	626.4	541.1	452.3	362.8	282.3	213.4	161.1	121.1	98.4
30°	817.8	737.3	652.6	561.7	465.4	369.0	280.9	207.9	150.7	112.2	90.2
32.5°	857.8	771.0	681.5	583.1	479.8	375.2	280.2	200.3	141.1	103.3	84.0
35°	899.8	802.0	706.3	603.7	492.2	382.0	279.5	194.8	132.2	94.3	77.8
37.5°	936.2	828.1	725.6	621.6	506.0	388.3	280.2	190.0	123.9	86.7	72.3
40°	967.2	855.0	746.9	638.1	520.4	397.9	280.9	185.2	115.7	79.8	67.5
42.5°	994.8	880.5	769.7	656.7	537.0	408.9	285.0	181.1	108.8	73.7	62.7
45°	1016.1	903.9	794.4	682.9	563.8	426.8	292.6	178.3	101.9	68.1	58.5
47.5°	1038.1	938.3	836.4	724.2	603.1	455.0	305.7	177.6	96.4	64.0	55.1
50°	1068.4	972.7	873.6	766.2	638.9	484.0	321.5	178.3	89.5	59.9	51.6
52.5°	1090.5	1007.8	921.8	839.2	724.2	572.0	382.8	190.7	86.0	56.4	47.5
55°	1220.6	1206.1	1208.1	1221.9	1133.1	973.4	640.2	275.4	101.2	64.0	46.8
57.5°	1721.0	1772.0	1801.5	1800.9	1654.2	1372.0	859.8	353.8	112.9	74.3	55.8
60°	2379.2	2340.6	2286.2	2152.0	1957.1	1566.2	961.7	380.7	97.7	59.2	51.0
62.5°	2960.9	2735.0	2534.7	2317.2	2061.8	1633.6	982.4	378.6	85.4	44.7	35.8
65°	3323.6	2917.5	2593.9	2321.3	2020.5	1577.1	929.3	347.6	72.3	36.5	29.6
67.5°	3410.4	2819.0	2361.3	2013.6	1688.0	1227.5	682.2	261.6	56.4	30.3	26.2
69°	3221.1	2505.8	1956.5	1562.0	1228.1	814.4	422.0	165.2	43.4	27.5	24.1
70°	2962.9	2179.5	1593.7	1253.6	909.4	572.0	295.3	116.3	35.1	25.5	22.0
72.5°	1906.2	1144.8	783.4	545.2	375.2	227.9	115.7	52.3	26.8	21.3	17.9
75°	739.3	423.4	307.1	233.4	182.4	126.7	70.2	33.7	22.7	17.9	13.8
77.5°	364.2	278.8	227.9	156.3	90.9	56.4	37.9	26.2	18.6	13.1	8.9
80°	287.7	191.4	114.3	70.9	53.7	40.6	28.9	21.3	13.8	8.3	6.2
82.5°	147.3	80.6	59.2	48.2	39.9	31.7	23.4	15.1	8.9	5.5	4.8
85°	46.1	33.7	30.3	29.6	27.5	22.7	16.5	9.7	5.5	3.4	3.4
87.5°	3.4	4.8	6.2	4.8	5.5	4.8	6.2	4.1	2.8	2.8	2.0
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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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4
2.5°	289.1	280.9	273.3	268.5	259.5	256.1	252.7	251.3	245.1	246.4	241.0
5°	252.7	238.2	227.2	216.2	205.8	198.3	192.0	184.5	178.3	175.5	170.0
7.5°	219.6	201.0	186.6	174.9	162.5	152.8	144.6	139.0	133.6	128.0	125.3
10°	190.7	170.7	154.2	142.5	130.8	122.5	116.3	112.2	108.8	106.7	106.0
12.5°	163.8	144.6	129.4	119.1	110.2	106.0	103.3	101.2	100.5	99.8	99.8
15°	143.2	123.9	112.2	104.6	100.5	98.4	97.7	96.4	95.0	94.3	94.3
17.5°	123.9	109.4	101.2	97.1	95.0	93.6	92.3	90.9	89.5	88.8	88.8
20°	110.8	99.1	95.0	92.3	90.2	88.8	86.7	85.4	84.7	84.0	83.3
22.5°	100.5	92.9	90.2	88.1	85.4	83.3	81.9	80.6	79.2	78.5	77.8
25°	92.9	88.1	86.0	83.3	80.6	78.5	76.4	74.3	73.0	72.3	70.9
27.5°	87.4	84.0	81.2	77.8	75.0	73.0	70.9	68.9	67.5	66.1	65.4
30°	82.6	79.2	75.7	73.0	69.5	67.5	64.7	62.7	62.0	60.6	59.2
32.5°	77.8	74.3	70.9	67.5	64.0	61.3	59.9	57.1	55.8	55.1	53.7
35°	72.3	68.9	64.7	62.0	58.5	55.8	53.7	51.6	50.2	48.9	48.2
37.5°	67.5	63.3	59.2	55.8	53.0	50.2	48.2	46.1	44.7	43.4	42.7
40°	62.0	57.8	53.7	50.2	47.5	45.4	43.4	41.3	39.9	39.3	39.3
42.5°	57.1	52.3	48.2	45.4	43.4	40.6	38.5	36.5	35.8	35.1	35.8
45°	52.3	47.5	44.1	41.3	39.3	36.5	34.4	33.0	32.4	33.0	33.7
47.5°	48.2	43.4	39.9	37.9	35.8	33.7	31.7	30.3	30.3	31.7	33.0
50°	44.1	39.3	36.5	35.1	33.0	31.0	28.2	27.5	28.2	29.6	31.0
52.5°	39.9	34.4	32.4	31.7	29.6	27.5	25.5	24.8	25.5	26.8	26.2
55°	35.8	30.3	29.6	28.9	26.8	24.1	22.0	22.0	22.0	21.3	20.0
57.5°	34.4	26.8	26.2	25.5	23.4	20.7	19.3	17.9	17.2	15.1	14.5
60°	35.8	24.1	24.1	22.7	20.7	17.9	15.8	13.8	12.4	11.0	11.0
62.5°	28.9	22.0	21.3	20.0	17.2	14.5	12.4	10.3	9.7	8.9	8.9
65°	23.4	20.0	18.6	16.5	14.5	11.7	9.7	8.3	7.6	7.6	8.3
67.5°	21.3	17.9	15.8	13.8	11.7	8.9	7.6	6.9	6.9	7.6	7.6
69°	20.0	16.5	14.5	12.4	10.3	8.3	6.9	6.9	6.9	6.9	7.6
70°	18.6	15.8	13.8	11.7	8.9	6.9	6.2	6.2	6.9	6.9	7.6
72.5°	14.5	12.4	11.7	9.7	6.9	6.2	5.5	6.2	6.2	6.9	6.9
75°	11.0	8.9	8.9	7.6	5.5	4.8	4.8	5.5	5.5	6.2	6.2
77.5°	7.6	6.2	6.2	5.5	4.8	4.1	4.1	4.8	5.5	5.5	6.2
80°	5.5	4.8	4.1	4.8	4.1	3.4	4.1	4.8	4.8	5.5	5.5
82.5°	4.1	4.1	4.1	4.1	3.4	3.4	4.1	4.1	4.8	5.5	5.5
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.1	4.1	4.8	4.8
87.5°	2.0	2.0	2.0	2.8	2.8	3.4	3.4	3.4	3.4	4.1	4.1
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):

	165°	170°	175°	180°
0°	317.4	317.4	317.4	317.4
2.5°	239.6	238.9	236.1	236.8
5°	168.0	163.8	166.6	165.9
7.5°	123.2	122.5	121.9	123.2
10°	105.3	105.3	104.6	105.3
12.5°	99.1	99.1	99.1	99.1
15°	94.3	94.3	93.6	93.6
17.5°	88.8	88.8	88.8	88.1
20°	83.3	82.6	82.6	82.6
22.5°	77.1	76.4	76.4	76.4
25°	70.9	70.2	70.2	70.2
27.5°	64.7	64.0	63.3	63.3
30°	58.5	57.8	57.1	57.1
32.5°	52.3	51.6	51.0	51.0
35°	46.8	46.8	46.1	45.4
37.5°	42.0	42.0	42.0	42.0
40°	38.5	39.3	39.3	39.3
42.5°	36.5	37.2	37.9	38.5
45°	35.1	36.5	37.2	37.2
47.5°	34.4	35.1	35.8	35.8
50°	31.7	31.0	31.0	31.0
52.5°	25.5	24.1	23.4	22.7
55°	18.6	17.9	16.5	16.5
57.5°	13.1	13.1	12.4	12.4
60°	10.3	10.3	9.7	10.3
62.5°	8.9	8.9	8.9	8.9
65°	8.3	8.3	8.3	8.3
67.5°	8.3	8.3	8.3	8.3
69°	7.6	7.6	7.6	7.6
70°	7.6	7.6	7.6	7.6
72.5°	6.9	6.9	6.9	6.9
75°	6.2	6.9	6.9	6.9
77.5°	6.2	6.2	6.2	6.2
80°	5.5	5.5	6.2	6.2
82.5°	5.5	5.5	5.5	5.5
85°	4.8	4.8	5.5	5.5
87.5°	4.1	4.1	4.8	4.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)