

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: P165206

Luminaire Tested: **VTS-E10-LED-E1-SL3-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165206
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-E10-LED-E1-SL3-HSS-7030
Description: VENTUS LED SITE LUMINAIRE
(10) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (210) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15646.6 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G3

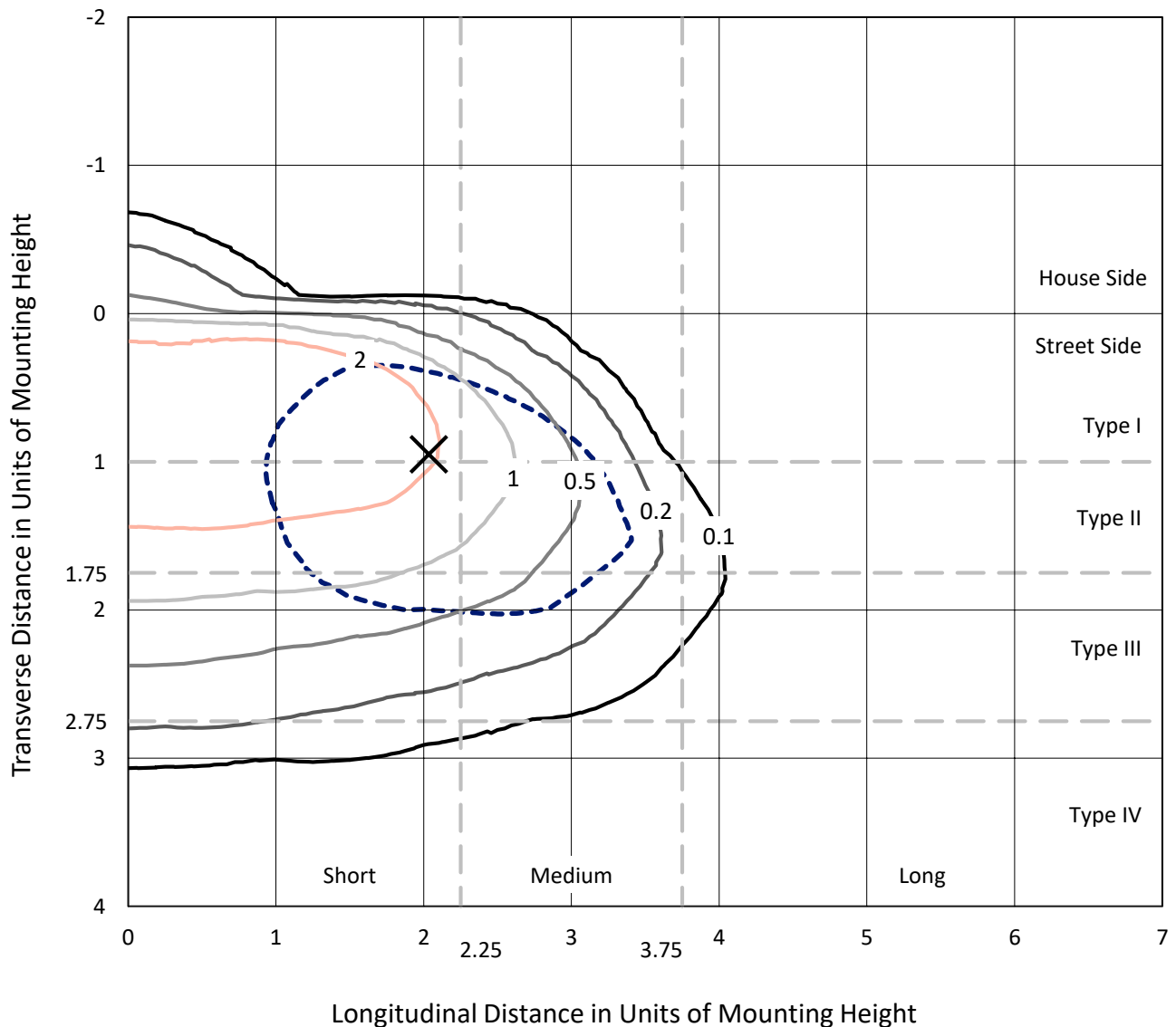
Input Watts (W): 247.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

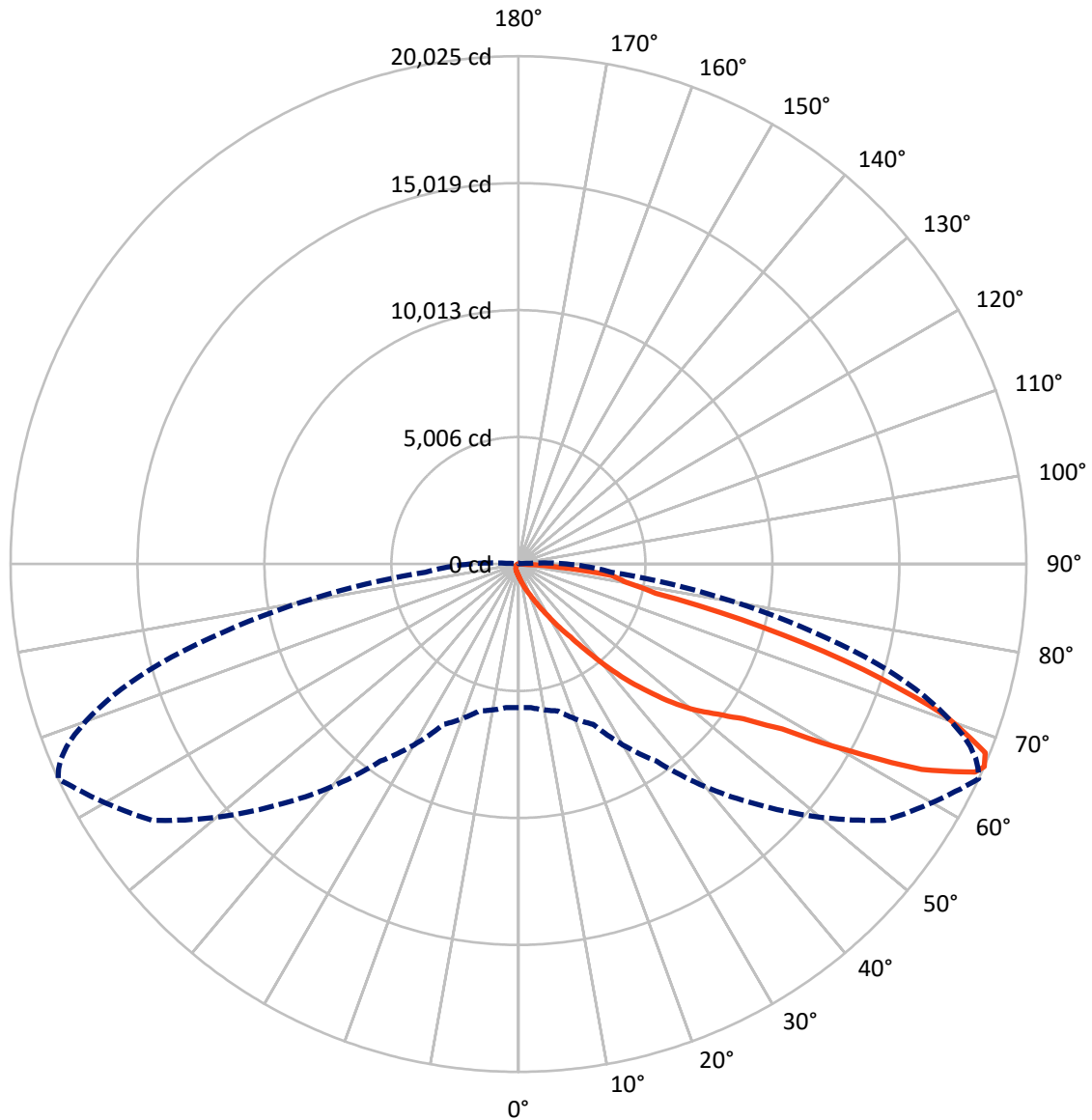


Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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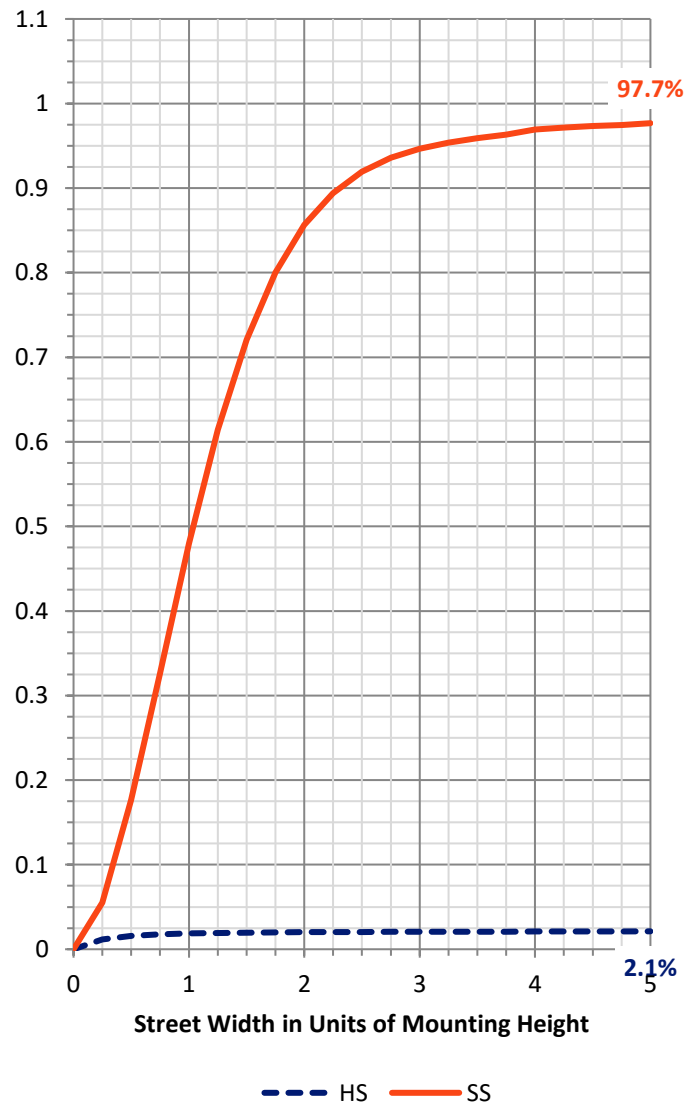
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	339.1	0.0	339.1
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	15307.5	0.0	15307.5
	% Fixture	97.8	0.0	97.8
Total	Lumens	15646.6	0.0	15646.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	0.3
10°-20°	224.2	1.4
20°-30°	483.5	3.1
30°-40°	1032.5	6.6
40°-50°	2283.4	14.6
50°-60°	3869.7	24.7
60°-70°	5163.8	33.0
70°-80°	2274.6	14.5
80°-90°	262.0	1.7
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°	15646.6	100.0
0°-180°	15646.6	100.0



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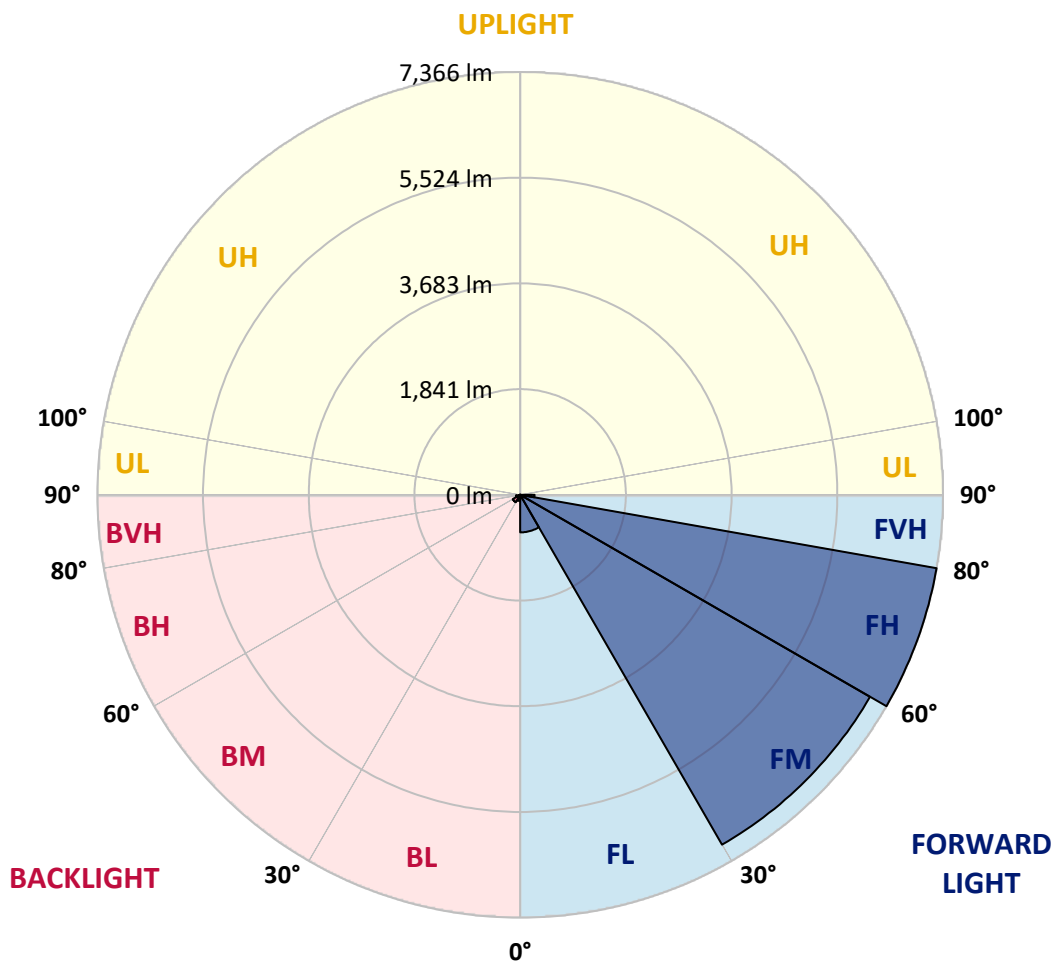
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	653.6	4.2			
FM	(30°-60°)	7036.8	45.0			
FH	(60°-80°)	7365.6	47.1			G3/7500
FVH	(80°-90°)	251.6	1.6			G3/500
BL	(0°-30°)	107.0	0.7	B0/110		
BM	(30°-60°)	148.9	1.0	B0/220		
BH	(60°-80°)	72.7	0.5	B0/110		G0/110
BVH	(80°-90°)	10.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	472.2	472.2	472.2	472.2	472.2	472.2	472.2	472.2	472.2	472.2	472.2
2.5°	595.7	592.6	580.5	580.5	562.4	550.6	535.4	520.4	520.4	517.3	514.4
5°	788.0	770.1	767.0	734.0	706.9	667.8	631.7	583.6	577.6	571.6	568.5
7.5°	1001.8	998.7	971.6	932.5	878.5	806.1	734.0	655.8	643.7	637.7	625.6
10°	1278.5	1263.3	1227.4	1161.1	1079.9	983.7	866.4	742.9	727.9	715.9	709.9
12.5°	1543.2	1516.2	1495.0	1410.8	1308.5	1167.1	1025.7	848.3	836.3	821.3	797.2
15°	1789.8	1765.7	1729.7	1657.5	1543.2	1365.6	1200.3	983.7	953.5	932.5	914.4
17.5°	1982.3	1967.4	1925.2	1844.1	1720.6	1564.2	1365.6	1122.0	1098.0	1070.8	1037.7
20°	2165.9	2144.7	2078.6	1967.4	1834.9	1714.5	1561.3	1302.4	1269.4	1236.3	1200.3
22.5°	2340.4	2319.2	2211.0	2027.5	1886.1	1834.9	1780.9	1507.0	1455.9	1428.8	1392.7
25°	2584.1	2538.9	2370.3	2078.6	1889.2	1928.3	2021.4	1771.7	1723.7	1684.6	1627.4
27.5°	2911.9	2851.7	2587.0	2153.9	1901.0	2030.6	2298.2	2093.6	2042.4	1997.3	1934.3
30°	3281.9	3242.8	2926.9	2334.3	1988.4	2180.9	2608.0	2502.8	2442.7	2388.4	2313.3
32.5°	3654.9	3600.8	3287.9	2677.2	2222.9	2472.6	2996.2	2978.1	2899.9	2848.7	2767.5
35°	3982.8	3955.7	3724.1	3239.7	2758.5	2984.1	3513.5	3534.5	3465.4	3411.2	3320.9
37.5°	4205.4	4205.4	4160.3	3844.3	3609.7	3778.2	4274.5	4277.6	4208.4	4085.1	4039.9
40°	4319.6	4352.7	4515.2	4575.3	4563.3	4779.9	5273.3	5219.1	5161.9	5098.7	4948.3
42.5°	4554.3	4584.3	4930.3	5345.5	5616.2	5901.9	6241.8	6223.8	6154.7	6040.4	5901.9
45°	4951.5	4990.5	5402.6	6061.4	6617.8	7024.0	7240.5	7156.3	7087.1	6978.9	6906.6
47.5°	5456.7	5532.0	5998.2	6813.4	7484.2	8154.9	8380.5	8158.0	8097.9	8013.6	7896.3
50°	5995.2	6067.4	6563.7	7496.2	8254.3	9054.4	9430.5	9054.4	8967.3	8940.1	8807.8
52.5°	6461.4	6521.7	6999.9	8022.7	8843.8	9782.3	10329.8	9833.5	9770.3	9680.1	9583.8
55°	6738.2	6786.4	7234.5	8275.3	9244.0	10438.1	11199.3	10763.1	10669.8	10633.8	10495.3
57.5°	6831.5	6879.5	7282.7	8308.4	9460.5	11036.7	12255.2	12270.1	12158.9	12029.6	11987.4
60°	6831.5	6885.6	7225.5	8227.3	9671.1	11674.4	13662.8	14917.2	14676.6	14652.5	14499.1
62.5°	6548.7	6599.9	6942.7	7977.6	9953.9	12534.8	15624.1	17838.1	17769.0	17612.5	17359.9
65°	5935.0	5965.1	6301.9	7339.9	9845.6	13326.0	17323.7	19781.3	19670.1	19363.2	19038.4
66°	5658.2	5682.3	5998.2	6975.8	9490.6	13434.3	17624.6	20025.0	19841.6	19582.8	19215.8
67.5°	5258.2	5300.4	5522.8	6299.0	8639.4	13058.2	17435.1	19853.7	19694.2	19381.3	19014.3
70°	3510.6	3480.4	4265.5	4834.0	6581.8	10639.8	15642.2	17826.0	17829.1	17681.7	17534.3
72.5°	1666.5	1684.6	1913.1	2975.0	4307.5	7108.2	12450.6	14228.4	14432.9	14168.3	13984.7
75°	1197.2	1224.3	1362.7	1819.9	2568.9	4265.5	8070.7	9950.8	9956.8	9487.5	9069.6
77.5°	348.9	364.1	511.3	1122.0	1925.2	2878.7	4635.4	5532.0	5402.6	5065.6	4749.8
80°	144.3	144.3	150.3	358.0	773.1	1955.3	3242.8	4259.5	4244.5	4115.2	3928.7
82.5°	54.1	57.2	72.2	147.4	183.6	481.3	2162.8	3697.1	3687.9	3504.5	3372.1
85°	6.0	6.0	18.1	63.2	69.2	90.2	433.1	1630.3	1621.4	1630.3	1428.8
87.5°	0.0	0.0	2.9	6.0	9.0	12.1	18.1	63.2	69.2	66.1	60.1
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	472.2	472.2	472.2	472.2	472.2	472.2	472.2	472.2	472.2	472.2	472.2
2.5°	514.4	508.4	508.4	505.4	505.4	505.4	502.3	499.4	499.4	496.3	493.4
5°	562.4	556.4	553.5	547.5	544.5	541.4	535.4	532.5	526.5	523.3	520.4
7.5°	619.6	607.6	604.6	595.7	586.6	580.5	574.5	565.5	559.5	547.5	544.5
10°	692.0	676.8	664.7	652.7	643.7	628.8	619.6	607.6	595.7	586.6	577.6
12.5°	785.1	764.1	746.0	734.0	713.0	694.9	676.8	667.8	643.7	631.7	616.7
15°	887.4	863.3	842.3	818.2	803.2	773.1	748.9	721.9	709.9	688.8	664.7
17.5°	1019.7	980.6	947.5	923.6	893.4	863.3	836.3	809.2	773.1	748.9	719.0
20°	1161.1	1128.0	1082.9	1040.9	1004.7	968.7	929.4	893.4	860.4	821.3	785.1
22.5°	1341.7	1293.5	1239.4	1197.2	1149.2	1110.1	1055.8	1007.8	953.5	902.4	860.4
25°	1570.2	1507.0	1455.9	1395.8	1338.6	1278.5	1212.2	1152.1	1082.9	1034.8	962.7
27.5°	1853.0	1792.9	1723.7	1645.5	1588.3	1498.1	1410.8	1335.7	1254.4	1179.1	1098.0
30°	2214.0	2126.8	2054.5	1979.4	1865.1	1777.7	1675.4	1573.3	1461.9	1386.8	1263.3
32.5°	2647.1	2553.9	2445.6	2337.3	2232.0	2108.7	1982.3	1855.9	1732.6	1594.3	1467.9
35°	3176.6	3065.2	2941.9	2824.6	2662.2	2529.8	2370.3	2195.9	2057.6	1898.1	1738.7
37.5°	3877.5	3694.0	3585.6	3462.3	3242.8	3062.3	2884.7	2710.3	2466.6	2298.2	2072.6
40°	4755.8	4647.5	4470.1	4271.6	4073.0	3835.3	3594.8	3363.1	3080.4	2845.6	2584.1
42.5°	5787.5	5628.2	5447.8	5161.9	4960.4	4680.6	4406.9	4100.0	3754.1	3453.4	3146.5
45°	6756.2	6566.8	6428.3	6142.6	5932.0	5601.0	5270.2	4945.4	4545.2	4157.2	3802.3
47.5°	7803.1	7646.6	7418.0	7186.4	6972.9	6599.9	6241.8	5847.8	5426.6	4966.4	4506.1
50°	8723.6	8600.3	8443.7	8164.1	7926.4	7613.5	7192.5	6762.3	6229.8	5772.6	5249.2
52.5°	9505.6	9409.3	9189.8	8991.2	8777.7	8482.8	8106.9	7694.8	7120.3	6617.8	6022.3
55°	10429.2	10360.0	10167.4	10044.1	9854.7	9571.9	9219.9	8837.9	8230.2	7682.7	7008.9
57.5°	11942.2	11888.2	11719.6	11668.4	11481.9	11235.3	10802.2	10393.0	9683.2	9003.3	8233.3
60°	14447.9	14339.8	14093.0	13966.8	13572.6	13241.8	12679.3	12116.7	11259.4	10393.0	9466.5
62.5°	17131.2	16827.4	16358.1	15955.1	15395.6	14820.9	14068.9	13208.7	12204.0	11175.2	10110.2
65°	18578.1	18060.8	17468.2	16827.4	16102.5	15257.2	14309.6	13277.9	12198.0	11112.0	9986.9
66°	18743.6	18160.0	17531.4	16818.4	16012.3	15112.8	14150.2	13067.3	11945.2	10886.4	9761.3
67.5°	18536.1	17925.4	17260.7	16469.5	15597.1	14664.6	13653.9	12528.8	11448.8	10374.9	9280.0
70°	17083.1	16475.4	15882.8	15049.6	14120.0	13181.7	12225.0	10967.7	9944.9	8958.1	7983.6
72.5°	13641.8	13229.7	12643.1	11930.2	11024.7	9923.7	9126.6	8001.7	7114.3	6157.6	5402.6
75°	8525.0	7944.5	7219.5	6311.1	5619.1	4725.7	4259.5	3405.2	2899.9	2457.6	2030.6
77.5°	4358.7	3922.7	3414.3	2902.8	2412.5	1925.2	1488.9	1052.9	709.9	493.4	367.0
80°	3600.8	3215.7	2794.5	2328.3	1895.2	1471.0	1058.9	721.9	460.3	300.9	234.5
82.5°	2975.0	2650.2	2274.1	1840.9	1465.0	1155.2	803.2	523.3	324.8	210.6	165.5
85°	1266.5	1149.2	887.4	703.8	529.4	391.1	273.8	183.6	129.3	105.2	96.3
87.5°	54.1	60.1	57.2	45.1	33.1	33.1	30.1	24.1	24.1	24.1	24.1
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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	472.2	472.2	472.2	472.2	472.2	472.2	472.2	472.2	472.2	472.2	472.2
2.5°	493.4	490.3	487.4	487.4	484.3	481.3	463.3	448.3	430.2	418.1	406.1
5°	514.4	511.3	505.4	502.3	496.3	493.4	454.3	421.1	394.0	373.0	358.0
7.5°	535.4	532.5	523.3	514.4	511.3	505.4	442.2	400.0	364.1	339.9	324.8
10°	562.4	553.5	544.5	532.5	523.3	514.4	430.2	375.9	336.8	315.8	300.9
12.5°	601.5	586.6	571.6	556.4	544.5	529.4	424.2	354.9	315.8	291.7	276.7
15°	646.8	625.6	607.6	589.7	568.5	553.5	412.1	336.8	297.8	273.8	255.7
17.5°	688.8	664.7	637.7	610.7	589.7	568.5	400.0	318.9	279.7	255.7	237.7
20°	748.9	713.0	679.9	646.8	616.7	589.7	382.0	300.9	264.7	237.7	219.6
22.5°	815.3	773.1	731.0	685.9	646.8	610.7	367.0	285.7	249.7	222.7	201.5
25°	899.5	848.3	791.1	734.0	688.8	640.8	352.0	270.7	234.5	207.5	186.5
27.5°	1016.7	944.6	881.4	809.2	740.0	685.9	339.9	258.7	219.6	192.5	171.5
30°	1176.2	1070.8	971.6	893.4	812.2	734.0	327.9	243.7	207.5	177.6	153.4
32.5°	1353.6	1230.3	1115.9	998.7	896.4	806.1	315.8	231.6	192.5	162.4	141.4
35°	1573.3	1416.8	1263.3	1128.0	1004.7	884.3	303.8	219.6	180.5	147.4	126.4
37.5°	1889.2	1693.5	1492.0	1317.6	1158.1	998.7	294.8	207.5	165.5	132.4	111.2
40°	2322.3	2069.7	1822.9	1585.2	1377.7	1179.1	282.8	195.5	153.4	120.4	99.2
42.5°	2791.6	2484.7	2159.9	1892.1	1606.4	1356.7	270.7	183.6	141.4	108.3	87.3
45°	3375.2	2993.0	2599.0	2235.0	1886.1	1564.2	258.7	171.5	126.4	96.3	75.3
47.5°	4012.9	3525.5	3080.4	2623.1	2207.9	1822.9	243.7	162.4	114.4	84.2	66.1
50°	4668.7	4154.3	3591.7	3071.2	2578.0	2081.7	228.7	147.4	102.3	75.3	54.1
52.5°	5375.4	4767.9	4193.4	3546.5	2972.0	2421.5	213.5	135.4	93.2	66.1	45.1
55°	6274.9	5595.2	4921.3	4196.3	3504.5	2815.7	198.6	120.4	81.3	57.2	36.2
57.5°	7406.0	6599.9	5772.6	4954.4	4115.2	3333.0	186.5	105.2	69.2	48.0	30.1
60°	8473.9	7532.4	6530.6	5589.2	4641.5	3730.1	168.4	93.2	60.1	39.1	30.1
62.5°	9027.4	7953.5	6873.5	5835.8	4825.0	3871.5	150.3	78.2	51.1	33.1	27.0
65°	8892.0	7797.1	6750.2	5703.3	4713.8	3781.3	132.4	69.2	45.1	30.1	27.0
66°	8696.6	7613.5	6560.8	5565.0	4620.5	3685.0	123.3	66.1	42.2	30.1	24.1
67.5°	8269.3	7222.4	6217.7	5291.2	4364.7	3501.4	111.2	60.1	39.1	27.0	24.1
70°	7063.1	6112.5	5309.3	4485.1	3730.1	2951.0	90.2	51.1	33.1	24.1	24.1
72.5°	4674.5	4027.9	3492.5	3005.1	2511.7	1949.3	75.3	42.2	27.0	24.1	21.0
75°	1762.8	1594.3	1368.7	1230.3	1073.9	941.5	60.1	27.0	21.0	21.0	21.0
77.5°	312.9	288.8	255.7	234.5	216.6	198.6	48.0	18.1	18.1	21.0	21.0
80°	210.6	195.5	177.6	162.4	150.3	135.4	33.1	15.0	18.1	18.1	21.0
82.5°	150.3	141.4	132.4	120.4	111.2	99.2	21.0	15.0	18.1	18.1	18.1
85°	90.2	84.2	78.2	72.2	63.2	60.1	15.0	15.0	15.0	18.1	18.1
87.5°	24.1	21.0	24.1	24.1	18.1	21.0	12.1	12.1	12.1	15.0	15.0
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):

	145°	155°	165°	175°	180°
0°	472.2	472.2	472.2	472.2	472.2
2.5°	400.0	400.0	394.0	403.2	403.2
5°	346.0	346.0	342.9	346.0	346.0
7.5°	315.8	312.9	312.9	312.9	315.8
10°	288.8	285.7	285.7	285.7	285.7
12.5°	264.7	261.8	258.7	261.8	261.8
15°	243.7	237.7	237.7	237.7	237.7
17.5°	225.6	219.6	216.6	216.6	216.6
20°	207.5	198.6	198.6	198.6	198.6
22.5°	189.4	180.5	180.5	180.5	180.5
25°	171.5	162.4	162.4	162.4	162.4
27.5°	156.4	147.4	147.4	147.4	147.4
30°	138.5	132.4	132.4	135.4	132.4
32.5°	126.4	117.3	117.3	120.4	120.4
35°	111.2	105.2	105.2	105.2	105.2
37.5°	96.3	90.2	90.2	90.2	90.2
40°	84.2	78.2	75.3	78.2	78.2
42.5°	72.2	66.1	63.2	63.2	63.2
45°	63.2	54.1	51.1	54.1	54.1
47.5°	51.1	45.1	45.1	48.0	48.0
50°	39.1	39.1	42.2	48.0	48.0
52.5°	36.2	36.2	42.2	48.0	48.0
55°	33.1	36.2	42.2	45.1	48.0
57.5°	30.1	36.2	42.2	45.1	45.1
60°	30.1	33.1	39.1	45.1	45.1
62.5°	27.0	30.1	36.2	42.2	42.2
65°	27.0	30.1	36.2	42.2	42.2
66°	27.0	30.1	36.2	42.2	42.2
67.5°	27.0	30.1	36.2	42.2	42.2
70°	27.0	30.1	36.2	39.1	39.1
72.5°	24.1	27.0	33.1	39.1	39.1
75°	24.1	27.0	33.1	39.1	39.1
77.5°	24.1	27.0	33.1	39.1	39.1
80°	24.1	27.0	33.1	36.2	39.1
82.5°	21.0	27.0	30.1	36.2	36.2
85°	21.0	24.1	30.1	33.1	36.2
87.5°	18.1	21.0	24.1	30.1	30.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)