

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: P159193

Luminaire Tested: **VTS-F02-LED-E1-T2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159193
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33705)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F02-LED-E1-T2-8030
Description: VENTUS LED SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

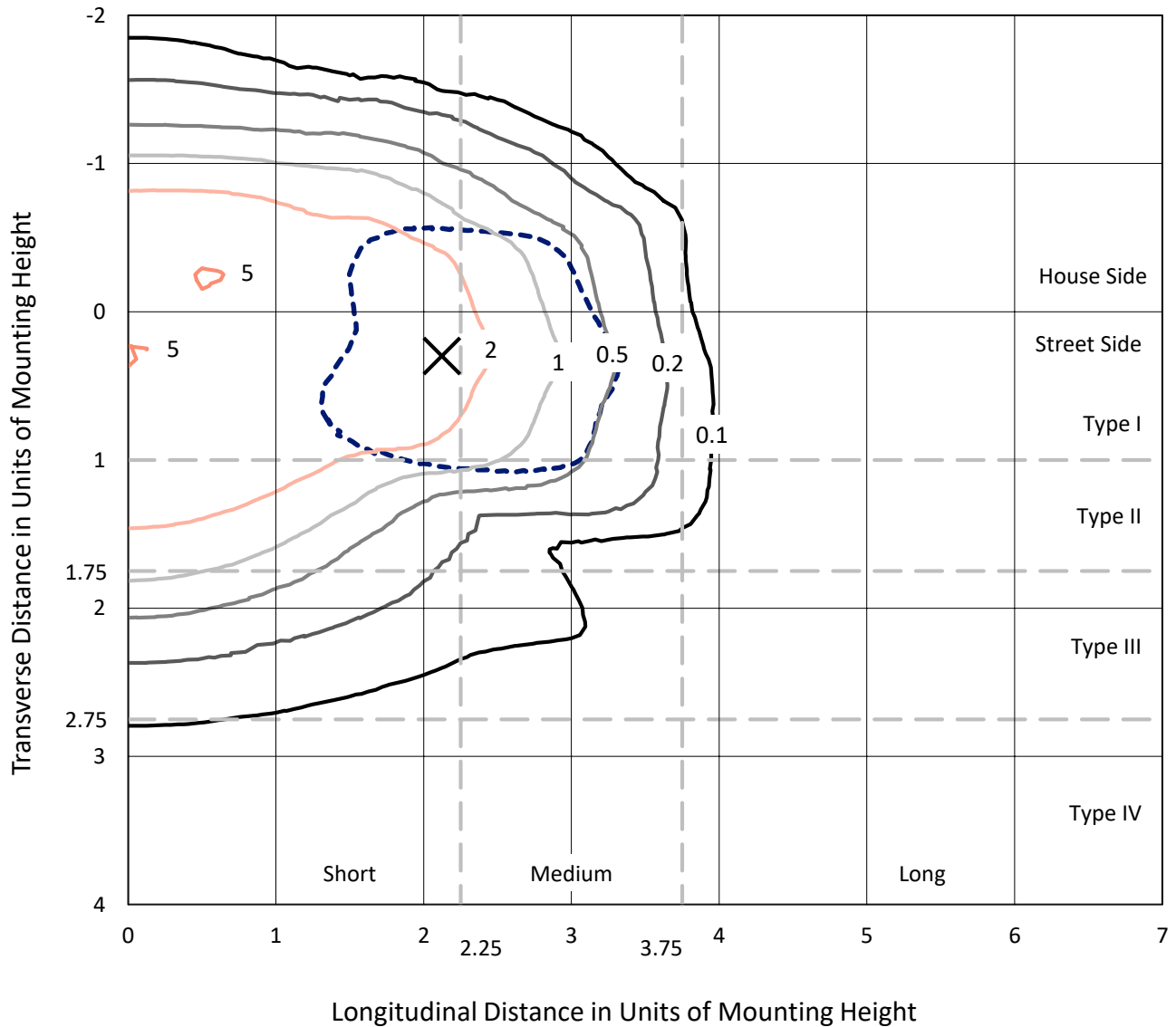
Lumens per Lamp: N/A
Luminaire Lumens: 4301.2 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 55
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

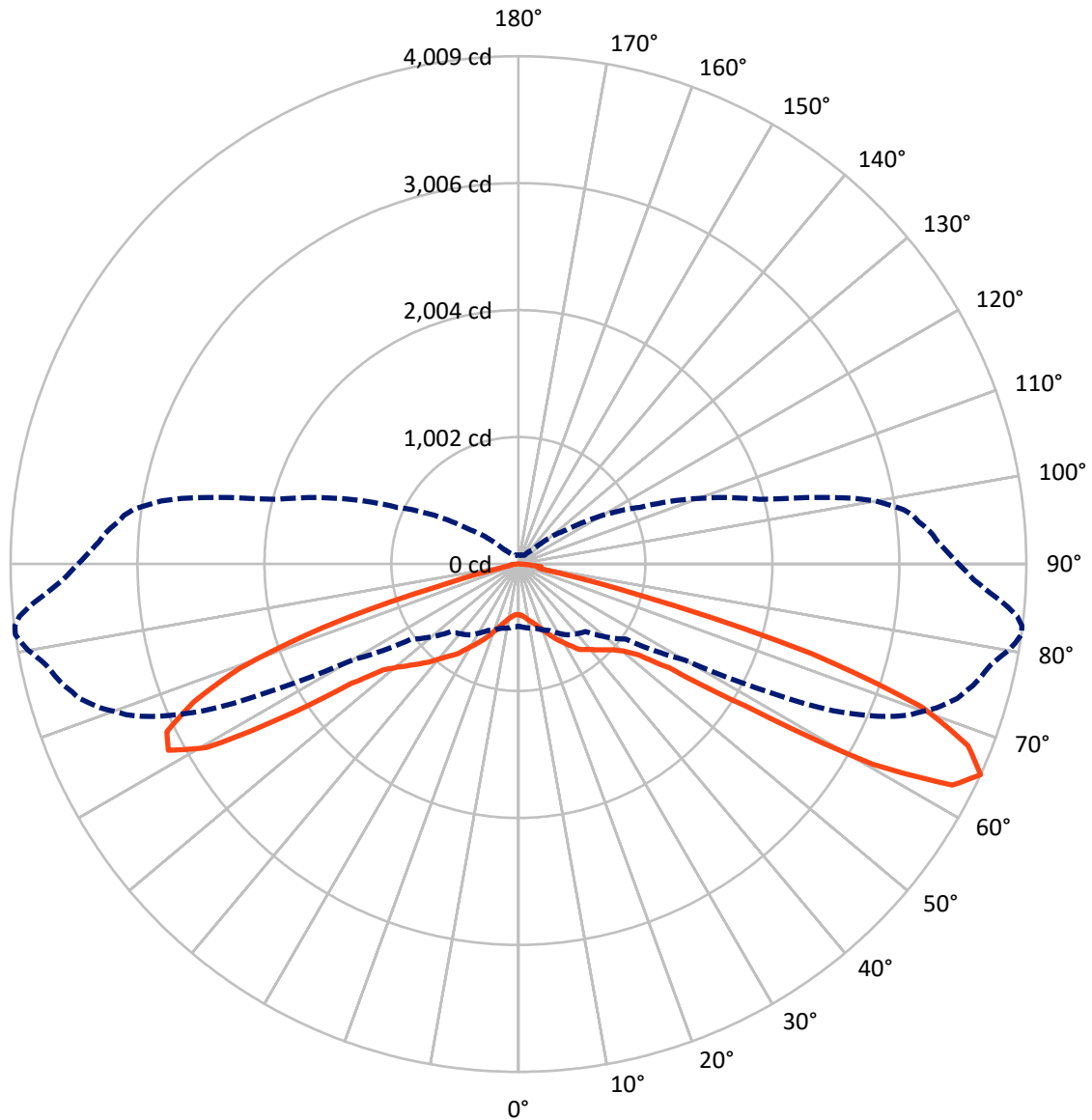
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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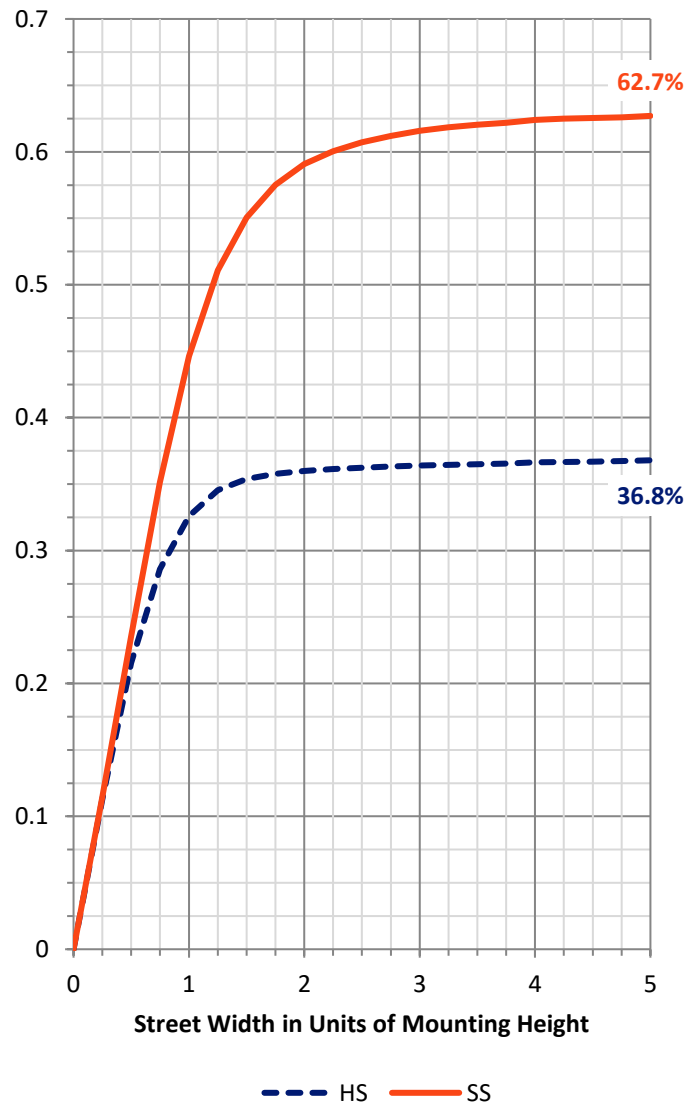
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1601.5	0.0	1601.5
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	2699.8	0.0	2699.8
	% Fixture	62.8	0.0	62.8
Total	Lumens	4301.2	0.0	4301.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	0.9
10°-20°	142.4	3.3
20°-30°	282.1	6.6
30°-40°	483.5	11.2
40°-50°	726.4	16.9
50°-60°	1009.2	23.5
60°-70°	1151.4	26.8
70°-80°	396.6	9.2
80°-90°	69.1	1.6
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°	4301.2	100.0
0°-180°	4301.2	100.0

Coefficient of Utilization



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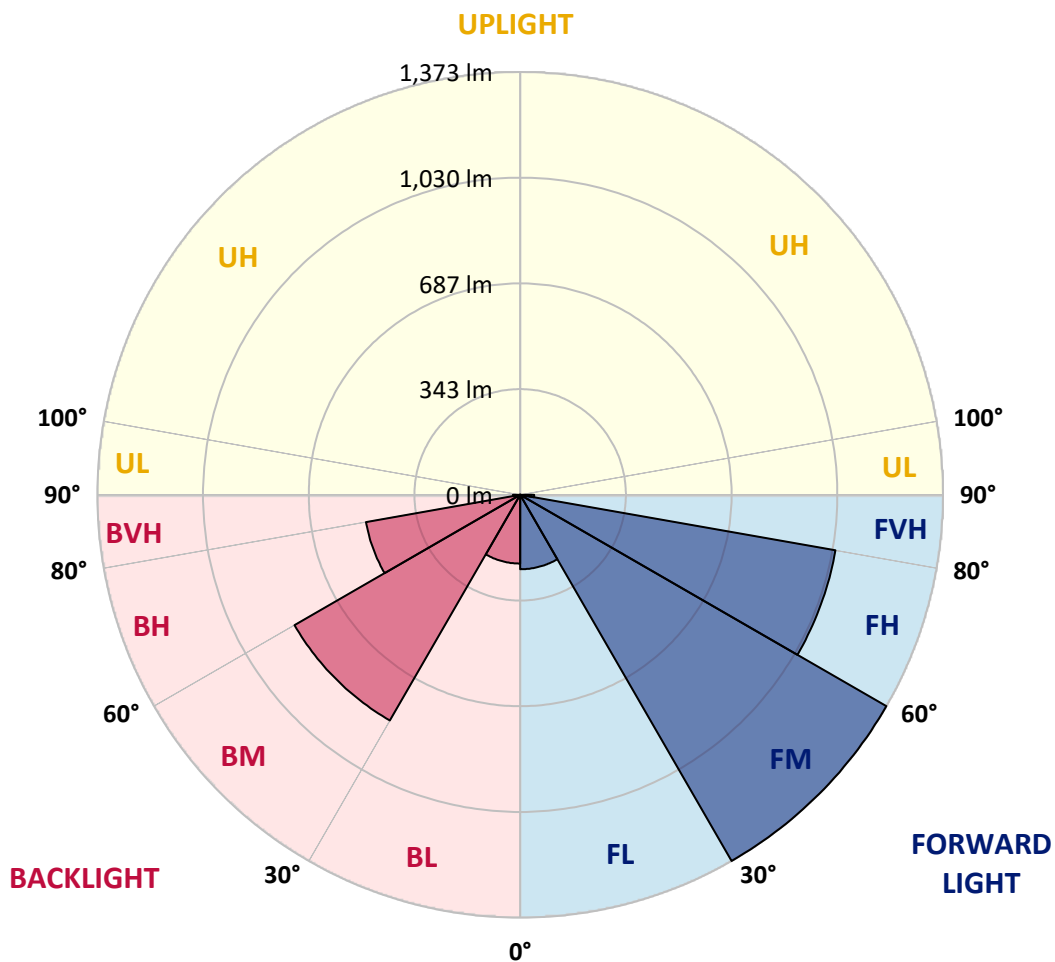
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	241.6	5.6			
FM	(30°-60°)	1373.0	31.9			
FH	(60°-80°)	1039.6	24.2			G1/1800
FVH	(80°-90°)	45.5	1.1			G1/100
BL	(0°-30°)	223.3	5.2	B1/500		
BM	(30°-60°)	846.1	19.7	B1/1000		
BH	(60°-80°)	508.4	11.8	B2/1000		G2/1000
BVH	(80°-90°)	23.6	0.5			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2
2.5°	421.9	422.2	421.9	421.1	420.8	418.3	415.5	414.1	413.9	412.7	413.0
5°	448.1	447.3	446.2	444.8	443.4	439.2	434.5	432.0	431.1	430.3	429.2
7.5°	471.6	472.1	471.6	469.6	466.0	460.7	454.6	450.6	450.4	449.5	448.7
10°	501.6	503.0	499.7	496.4	491.3	483.3	476.3	471.3	470.4	469.3	468.8
12.5°	534.3	534.5	533.4	525.9	517.5	506.4	496.4	491.3	490.2	488.8	488.3
15°	569.1	569.4	563.2	556.0	543.2	529.8	515.9	510.3	508.9	509.2	506.9
17.5°	596.7	597.2	591.4	582.2	566.9	551.0	535.9	531.5	530.6	530.9	529.8
20°	608.7	609.5	605.9	598.9	584.4	570.5	559.6	556.8	556.6	556.0	558.2
22.5°	608.1	608.4	607.0	604.2	595.6	587.5	586.1	587.8	587.5	588.0	590.0
25°	603.1	603.9	603.7	604.8	603.4	606.4	612.8	618.7	619.5	620.7	624.3
27.5°	615.9	617.6	615.6	616.8	619.0	629.3	642.4	651.3	653.0	656.0	659.1
30°	666.1	663.8	661.3	658.6	659.9	666.4	681.1	688.9	689.8	692.0	696.2
32.5°	740.5	738.0	735.8	731.3	730.2	727.4	732.4	734.4	734.1	736.3	737.4
35°	824.4	824.7	824.1	827.4	830.2	816.0	798.5	793.7	795.7	793.2	793.7
37.5°	896.0	896.8	911.6	930.0	935.3	926.4	887.9	869.0	862.6	861.7	855.3
40°	975.4	975.4	997.7	1020.3	1035.1	1046.2	1000.5	967.1	953.4	949.5	933.6
42.5°	1062.7	1058.2	1078.5	1103.4	1130.7	1156.0	1132.3	1094.7	1075.2	1068.2	1040.4
45°	1134.3	1131.5	1141.5	1164.7	1209.0	1258.6	1261.9	1242.7	1231.0	1216.5	1190.9
47.5°	1178.3	1176.9	1182.8	1207.9	1263.3	1343.6	1388.5	1398.2	1391.2	1380.1	1355.3
50°	1195.6	1193.6	1197.8	1225.7	1287.8	1393.7	1493.0	1538.9	1542.3	1544.8	1537.0
52.5°	1189.5	1187.0	1195.6	1219.0	1283.7	1411.3	1574.6	1663.0	1677.7	1690.3	1715.9
55°	1130.7	1126.8	1150.2	1194.2	1265.6	1404.9	1634.3	1782.2	1813.5	1846.9	1903.8
57.5°	1040.6	1037.3	1071.0	1131.5	1233.5	1387.3	1674.4	1933.0	2003.3	2063.5	2224.8
60°	954.0	951.2	971.0	1029.5	1129.5	1301.8	1624.8	1983.7	2101.6	2231.5	2526.1
62.5°	799.0	791.5	818.0	867.3	930.6	1076.9	1408.2	1870.9	2052.6	2243.5	2642.9
65°	491.1	501.9	524.8	579.4	683.1	752.8	1034.2	1513.6	1753.3	1992.7	2510.8
67.5°	311.9	314.9	331.9	369.8	450.1	520.0	626.8	949.8	1134.6	1370.1	1971.2
70°	267.3	269.2	283.7	323.3	378.7	464.9	474.3	496.1	562.4	712.3	1158.8
72.5°	210.7	214.0	225.5	259.7	326.6	419.2	585.5	392.1	378.7	391.3	565.5
75°	125.4	129.3	138.8	157.5	209.9	320.5	613.4	456.2	425.3	401.0	390.2
77.5°	66.3	63.5	70.0	80.8	107.9	170.8	461.0	559.1	537.3	508.3	446.7
80°	32.9	34.0	36.0	38.2	48.2	69.4	230.5	578.3	641.0	668.9	614.2
82.5°	13.1	14.8	20.9	22.3	26.5	29.5	74.1	320.5	459.0	622.6	813.0
85°	6.7	6.4	11.1	13.4	15.6	13.9	26.2	119.6	215.2	335.3	543.2
87.5°	0.8	1.1	2.5	3.3	4.7	4.5	7.5	25.9	41.2	58.5	82.2
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2
2.5°	411.6	411.4	411.4	410.2	410.2	410.5	409.7	409.1	409.1	409.4	408.3
5°	428.4	427.5	427.5	426.4	425.0	425.0	423.9	423.6	423.1	421.9	421.1
7.5°	447.9	447.0	445.6	444.8	444.2	443.4	442.0	441.5	440.3	439.2	438.1
10°	467.9	466.8	466.3	464.9	464.3	462.6	461.8	462.1	459.8	459.0	459.3
12.5°	488.0	486.9	484.9	484.4	484.1	482.4	481.6	481.0	479.4	479.1	478.2
15°	505.8	506.4	505.6	504.2	503.0	502.8	501.9	501.4	500.3	499.1	498.0
17.5°	529.0	529.8	528.7	526.7	526.7	526.5	526.7	526.5	524.5	525.3	524.8
20°	558.5	559.1	556.3	557.1	557.7	557.4	558.2	559.1	558.5	558.5	559.3
22.5°	592.5	593.3	591.7	592.8	594.5	593.1	595.6	595.3	595.8	596.7	597.0
25°	627.3	629.0	627.6	630.7	629.6	630.7	633.8	632.9	634.3	636.5	637.4
27.5°	662.2	663.3	663.6	665.5	667.5	669.1	673.0	673.0	674.2	678.1	678.1
30°	698.7	699.8	700.9	703.7	704.8	707.9	711.8	712.9	712.3	717.9	719.6
32.5°	740.8	741.9	743.8	747.2	748.6	751.6	751.6	754.7	756.9	761.7	761.9
35°	796.8	797.6	796.8	796.5	798.5	802.6	802.9	807.4	809.3	814.1	815.5
37.5°	852.8	852.5	848.9	845.0	845.3	843.6	842.5	844.4	845.3	845.6	848.6
40°	928.3	921.1	915.5	905.8	901.3	894.3	890.1	889.9	885.4	884.9	885.7
42.5°	1027.3	1018.9	1005.8	989.4	976.8	964.0	954.5	949.0	939.2	934.2	930.0
45°	1165.5	1144.9	1129.3	1109.8	1085.5	1063.2	1039.8	1029.2	1010.5	999.1	986.3
47.5°	1334.4	1314.0	1290.1	1270.0	1238.2	1207.3	1175.3	1147.1	1114.5	1088.6	1067.4
50°	1517.8	1505.8	1488.5	1469.8	1428.9	1408.5	1368.1	1329.9	1294.8	1248.6	1208.1
52.5°	1705.9	1712.9	1709.0	1702.3	1676.3	1668.5	1633.7	1587.2	1551.8	1520.0	1449.8
55°	1937.8	1946.1	1962.8	1972.6	1969.5	1989.3	1980.7	1944.4	1930.2	1915.5	1865.6
57.5°	2292.5	2352.2	2416.0	2472.0	2485.1	2555.3	2540.3	2576.5	2602.2	2583.8	2567.6
60°	2670.7	2791.1	2899.5	3013.0	3105.2	3174.3	3265.7	3327.3	3366.1	3435.7	3441.3
62.5°	2823.2	2986.8	3124.4	3256.0	3365.5	3461.4	3543.9	3628.9	3698.6	3761.5	3807.0
65°	2739.6	2910.4	3077.3	3210.8	3316.2	3398.7	3488.4	3555.9	3624.4	3664.8	3712.5
67.5°	2277.5	2503.8	2709.2	2859.7	3003.8	3087.7	3193.8	3260.2	3332.9	3375.5	3406.2
70°	1484.9	1779.5	2060.1	2288.4	2482.9	2580.7	2708.9	2799.5	2887.0	2889.2	2940.2
72.5°	801.2	1047.6	1282.6	1515.8	1737.7	1867.8	1994.3	2104.4	2191.4	2154.3	2205.0
75°	446.2	561.6	690.0	830.2	965.4	1039.8	1134.3	1134.8	1179.7	1109.2	1127.0
77.5°	429.2	423.9	425.8	429.7	436.4	422.2	421.9	413.3	399.9	375.7	379.9
80°	563.8	496.4	447.9	371.8	299.3	244.1	228.8	232.4	243.3	265.0	292.6
82.5°	815.2	758.3	676.9	557.1	437.3	337.2	277.0	245.8	244.4	266.2	308.0
85°	593.6	627.9	622.6	519.8	428.6	348.1	253.3	214.0	177.2	168.6	183.4
87.5°	87.5	72.5	81.7	68.3	49.6	38.5	33.7	27.0	25.9	26.5	29.0
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2
2.5°	408.6	407.5	406.3	407.2	406.3	406.1	405.2	404.7	404.4	404.4	404.4
5°	421.1	419.7	418.9	418.6	417.8	416.9	416.6	415.3	415.0	415.0	414.1
7.5°	438.1	437.0	435.6	434.8	434.2	432.8	431.4	431.1	430.9	429.7	428.9
10°	457.9	456.2	454.6	454.6	453.4	453.2	451.8	449.8	449.5	447.9	447.3
12.5°	476.6	476.0	474.1	473.5	472.7	471.8	471.0	470.2	469.3	467.9	468.5
15°	498.9	497.5	495.8	496.1	495.8	494.7	493.6	492.7	492.2	491.6	491.6
17.5°	525.6	525.1	524.8	523.4	522.3	523.1	523.1	523.1	521.7	522.0	522.3
20°	559.6	560.2	559.6	558.5	558.2	559.1	557.1	560.2	558.5	557.4	557.9
22.5°	597.2	599.2	597.0	597.2	598.6	599.2	597.2	599.7	598.9	597.2	598.6
25°	638.2	639.6	638.5	638.2	639.0	641.0	640.7	640.4	642.4	640.7	641.6
27.5°	680.3	681.1	681.7	682.5	683.1	682.8	683.9	683.9	685.0	683.1	683.9
30°	722.1	722.1	723.2	724.3	724.3	724.3	726.6	726.8	725.2	725.7	723.8
32.5°	766.7	767.0	768.1	768.1	770.3	770.6	773.1	769.8	773.1	770.3	770.9
35°	819.1	822.7	823.3	826.0	828.3	829.1	829.1	829.4	832.5	830.2	831.1
37.5°	849.7	850.6	852.8	854.2	854.2	855.3	856.1	855.3	856.1	855.9	856.7
40°	886.0	885.1	887.6	888.2	887.1	888.5	888.2	887.4	889.6	887.9	889.0
42.5°	930.0	925.3	925.0	927.2	925.0	926.1	925.8	923.9	926.7	927.5	926.7
45°	977.1	974.6	969.6	969.6	967.3	966.5	966.8	966.5	966.8	970.1	971.2
47.5°	1053.7	1038.4	1029.8	1021.7	1015.0	1014.7	1011.7	1013.3	1015.6	1021.1	1026.2
50°	1182.2	1146.8	1125.1	1105.0	1090.5	1085.5	1079.7	1079.1	1081.1	1087.5	1096.1
52.5°	1411.3	1362.3	1316.0	1273.1	1235.7	1207.0	1192.8	1185.3	1182.5	1188.9	1197.3
55°	1830.5	1737.9	1672.7	1629.2	1536.4	1497.1	1446.7	1423.6	1401.0	1403.2	1417.4
57.5°	2546.7	2496.8	2442.2	2366.1	2309.3	2240.7	2114.7	2044.5	2047.6	2064.0	2012.7
60°	3485.3	3434.9	3412.3	3343.2	3303.6	3276.1	3209.2	3092.7	3051.4	3043.6	2949.4
62.5°	3841.8	3853.8	3871.6	3891.1	3890.0	3902.0	3843.5	3805.6	3757.9	3696.0	3603.0
65°	3748.7	3779.1	3815.3	3867.7	3927.4	3971.4	4008.5	4004.0	3959.4	3876.9	3778.5
67.5°	3433.5	3463.6	3490.1	3560.3	3658.1	3747.6	3826.8	3880.5	3850.7	3782.4	3667.6
70°	2959.7	2981.5	2998.2	3059.2	3166.5	3275.8	3379.2	3469.5	3460.3	3377.5	3285.8
72.5°	2144.6	2197.2	2225.7	2221.5	2287.8	2410.1	2424.6	2501.8	2523.3	2434.1	2288.1
75°	1044.8	1045.7	1012.8	1001.9	1005.3	1026.4	986.0	988.5	974.6	911.3	859.2
77.5°	365.1	355.1	331.1	302.7	262.0	223.8	185.1	168.3	162.8	146.3	134.9
80°	314.6	329.4	324.7	301.3	258.3	206.0	153.8	114.0	97.3	91.4	85.8
82.5°	357.3	414.1	450.4	448.4	389.6	292.6	182.5	104.8	74.7	65.5	60.2
85°	199.3	214.3	218.5	199.0	165.3	112.9	63.0	44.3	37.6	34.3	30.9
87.5°	31.8	29.0	28.4	24.8	23.4	21.5	19.0	17.8	16.4	15.6	15.6
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):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2
2.5°	404.1	403.8	403.0	402.2	401.6	401.3	401.0	400.5	400.2	399.9	399.4
5°	413.6	413.0	411.6	410.2	409.7	408.8	408.0	407.5	406.9	406.6	405.5
7.5°	428.4	427.8	426.1	425.0	424.7	422.5	422.2	421.4	420.0	419.7	418.0
10°	446.2	445.9	444.5	443.7	443.1	442.0	440.3	438.9	437.5	437.5	436.4
12.5°	466.8	465.7	466.5	464.6	464.0	462.9	462.1	461.8	460.1	458.7	458.5
15°	491.1	489.7	489.7	489.1	488.6	487.4	487.2	487.4	485.8	486.3	484.6
17.5°	521.2	521.7	521.4	521.4	520.0	520.0	517.8	520.6	518.6	520.0	519.5
20°	558.8	559.1	558.5	559.3	559.9	559.6	559.3	559.1	559.9	561.0	560.2
22.5°	598.9	598.9	598.6	601.7	598.4	600.9	601.7	600.0	604.5	603.9	604.8
25°	642.4	642.4	644.6	647.1	647.7	645.7	646.8	645.5	648.2	650.5	651.0
27.5°	682.8	686.4	688.1	686.4	687.8	690.9	690.6	690.6	692.6	692.0	697.3
30°	724.3	726.6	728.8	727.7	728.2	732.1	732.4	732.7	735.2	738.8	742.7
32.5°	771.7	773.9	772.8	776.4	776.2	780.9	781.7	782.6	790.4	789.0	797.1
35°	830.0	832.2	831.1	835.0	834.4	836.1	839.1	842.5	843.9	852.0	858.4
37.5°	857.3	857.3	859.8	864.2	865.9	868.7	873.4	877.6	884.6	893.2	903.2
40°	890.1	891.0	894.3	899.1	902.1	908.5	917.2	923.0	933.6	943.1	954.8
42.5°	930.0	933.6	937.5	943.9	950.6	960.7	972.9	980.4	994.4	1006.6	1021.1
45°	976.5	980.2	989.4	1001.1	1010.8	1022.0	1032.0	1049.8	1062.4	1075.2	1087.7
47.5°	1032.8	1043.4	1051.0	1064.9	1076.9	1091.6	1104.2	1120.9	1134.6	1150.2	1160.8
50°	1105.0	1118.1	1127.9	1146.0	1157.7	1174.1	1190.0	1202.6	1216.5	1231.8	1240.5
52.5°	1208.7	1222.1	1234.3	1256.9	1271.4	1282.6	1303.7	1319.3	1332.2	1343.3	1352.8
55°	1433.3	1429.4	1463.4	1507.2	1512.2	1552.6	1560.1	1573.2	1596.9	1600.3	1626.7
57.5°	2075.2	2055.1	2104.4	2168.5	2157.4	2137.0	2222.0	2227.3	2215.3	2247.4	2211.2
60°	2963.4	2928.2	2941.6	2959.2	2933.8	2921.8	2926.0	2938.0	2926.3	2913.5	2878.4
62.5°	3556.4	3502.4	3463.6	3431.0	3389.8	3359.9	3326.5	3285.2	3274.1	3227.3	3188.0
65°	3682.9	3598.8	3537.5	3475.9	3419.0	3366.3	3315.9	3280.5	3233.7	3178.2	3137.3
67.5°	3543.9	3439.6	3349.9	3260.4	3196.1	3118.6	3080.7	3023.0	2965.3	2901.8	2864.1
70°	3139.8	3031.1	2918.2	2830.7	2743.2	2647.3	2628.6	2560.4	2527.2	2440.5	2425.5
72.5°	2167.1	2094.7	2044.2	1936.1	1882.9	1833.8	1818.2	1754.9	1761.6	1666.6	1701.1
75°	770.6	760.3	745.5	684.5	673.6	654.7	649.6	645.2	690.3	627.6	673.0
77.5°	132.4	131.5	124.0	120.4	127.4	122.9	124.0	121.8	134.9	136.8	133.8
80°	82.2	80.0	77.5	75.8	76.1	74.4	74.7	75.2	76.1	75.8	76.6
82.5°	56.3	54.3	53.2	52.1	53.8	54.3	55.7	57.1	59.4	60.8	62.4
85°	30.7	28.1	28.1	27.9	30.1	31.8	34.0	36.8	40.7	44.0	47.7
87.5°	15.6	15.0	15.3	15.9	17.8	19.2	22.0	24.5	27.9	31.5	34.8
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):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2
2.5°	399.1	399.1	398.8	398.8	398.5	398.3	398.0	397.1	394.1	391.3	389.3
5°	405.2	404.4	404.1	403.3	403.0	402.4	401.6	400.8	395.2	390.2	386.5
7.5°	417.8	416.6	416.1	415.3	414.4	413.3	412.2	411.4	404.7	398.8	394.4
10°	434.2	433.6	433.4	432.3	432.3	430.6	430.3	428.4	421.1	415.8	411.9
12.5°	457.1	455.9	455.7	454.3	454.8	454.3	453.7	452.6	447.3	441.2	435.9
15°	485.5	485.5	484.1	483.0	483.3	482.7	483.8	482.4	479.1	473.5	464.9
17.5°	519.8	519.2	519.8	518.9	519.5	520.0	518.6	518.9	517.3	510.3	497.5
20°	559.6	558.8	562.1	560.7	563.8	561.0	561.6	562.4	562.4	553.2	535.9
22.5°	605.3	604.8	604.8	607.6	608.7	608.9	610.1	610.9	613.1	601.4	573.8
25°	651.0	653.0	653.3	656.9	658.6	658.6	659.4	662.5	669.1	653.0	617.3
27.5°	697.6	702.3	703.4	705.9	708.4	710.9	712.9	715.1	726.0	708.4	661.9
30°	744.1	749.4	753.3	756.1	759.2	765.3	766.4	770.9	789.0	767.5	704.3
32.5°	798.7	806.3	811.3	814.9	819.6	825.5	828.8	834.4	852.0	816.9	735.2
35°	864.0	868.4	875.7	881.8	884.6	894.6	899.9	901.3	914.7	859.5	758.0
37.5°	909.1	916.6	929.2	937.8	942.8	948.4	957.3	963.2	976.0	898.2	769.5
40°	966.5	977.9	988.0	1000.8	1008.9	1013.1	1022.0	1026.7	1028.4	931.4	765.9
42.5°	1036.5	1046.8	1060.2	1070.5	1076.6	1081.3	1088.6	1090.5	1068.8	947.0	746.3
45°	1102.2	1118.1	1129.5	1137.1	1141.5	1144.0	1148.5	1148.8	1102.2	939.2	712.9
47.5°	1173.0	1184.5	1195.0	1200.3	1199.8	1200.3	1198.7	1197.5	1119.0	912.2	670.0
50°	1251.3	1258.9	1263.3	1265.8	1267.2	1261.9	1254.4	1249.4	1120.4	873.7	626.5
52.5°	1356.4	1365.9	1365.0	1364.8	1353.6	1348.6	1328.5	1318.2	1112.3	828.6	577.5
55°	1622.6	1613.4	1595.2	1604.2	1558.7	1535.0	1503.8	1474.8	1122.9	785.6	520.6
57.5°	2225.7	2229.3	2177.7	2150.1	2073.5	1977.6	1900.4	1825.4	1218.2	759.4	446.5
60°	2854.9	2807.6	2742.1	2642.3	2543.6	2401.2	2263.8	2134.0	1313.2	732.1	358.7
62.5°	3129.7	3062.3	2963.4	2834.3	2679.4	2505.2	2334.1	2175.8	1267.2	643.8	260.9
65°	3074.0	2970.9	2861.6	2710.6	2522.2	2331.3	2131.5	1969.8	1060.2	480.2	160.8
67.5°	2782.5	2695.0	2579.6	2400.4	2198.9	2000.2	1817.1	1635.9	787.6	299.3	90.0
70°	2348.6	2263.0	2145.9	1962.6	1761.3	1571.3	1377.3	1229.6	501.9	144.4	64.9
72.5°	1629.2	1559.9	1477.1	1346.4	1170.0	997.2	865.9	752.5	278.1	76.6	59.4
75°	661.6	661.9	646.8	591.7	500.0	431.1	367.6	311.9	116.2	65.2	58.5
77.5°	149.9	152.4	166.7	158.0	142.4	133.2	119.3	105.3	70.8	67.2	59.1
80°	75.8	76.1	75.2	75.5	74.7	75.0	73.9	73.0	66.3	69.1	59.1
82.5°	63.3	64.7	64.4	64.4	64.7	64.7	64.7	64.4	68.8	72.7	57.1
85°	50.2	53.0	55.2	57.4	59.9	61.6	62.4	63.3	66.9	71.6	51.8
87.5°	37.9	41.2	44.0	46.3	50.2	50.2	53.0	54.9	54.9	56.0	27.3
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°	400.2	400.2	400.2	400.2	400.2
2.5°	386.5	385.4	384.3	383.8	382.6
5°	383.8	381.5	380.1	380.1	379.0
7.5°	391.8	391.0	389.1	387.9	389.1
10°	409.1	407.7	405.5	403.8	404.7
12.5°	432.3	426.7	422.2	420.3	418.9
15°	456.2	445.1	436.2	431.1	429.7
17.5°	481.9	462.4	449.0	441.5	440.1
20°	508.1	483.8	464.9	455.1	454.8
22.5°	539.6	507.2	483.0	470.2	469.3
25°	572.7	528.1	496.1	479.6	478.0
27.5°	601.4	544.8	504.2	484.6	483.0
30°	625.4	557.4	510.8	488.3	486.0
32.5°	642.7	564.6	513.6	489.4	486.9
35°	648.2	561.8	505.8	479.4	476.6
37.5°	640.7	543.7	484.1	454.8	451.5
40°	618.1	512.0	448.7	418.6	414.4
42.5°	583.6	472.9	406.1	377.4	372.1
45°	540.9	428.9	363.7	331.6	329.1
47.5°	496.4	382.6	316.0	287.1	284.0
50°	448.1	329.1	269.5	238.0	238.0
52.5°	390.7	277.0	215.4	191.7	189.8
55°	324.7	218.2	171.7	153.6	151.1
57.5°	253.6	167.8	137.1	126.5	123.7
60°	186.4	126.0	110.4	104.5	103.4
62.5°	126.5	95.9	88.9	86.4	86.1
65°	85.6	74.7	72.7	71.9	72.2
67.5°	65.8	62.1	61.3	61.0	61.0
70°	57.1	54.9	54.1	54.3	54.1
72.5°	53.8	50.7	51.0	51.6	51.3
75°	52.7	48.8	49.9	50.2	49.1
77.5°	51.8	46.5	49.3	50.2	47.1
80°	50.2	44.6	51.3	51.6	46.3
82.5°	46.0	39.6	51.3	47.4	41.8
85°	39.0	30.1	58.0	41.2	30.9
87.5°	24.8	17.8	39.3	28.1	18.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)