

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: STREETWORKS

Report Number: P157143

Luminaire Tested: **UTLD-F03-LED-E-U-T2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157143
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33661)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F03-LED-E-U-T2-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5597.1 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - 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: 28.75 FT



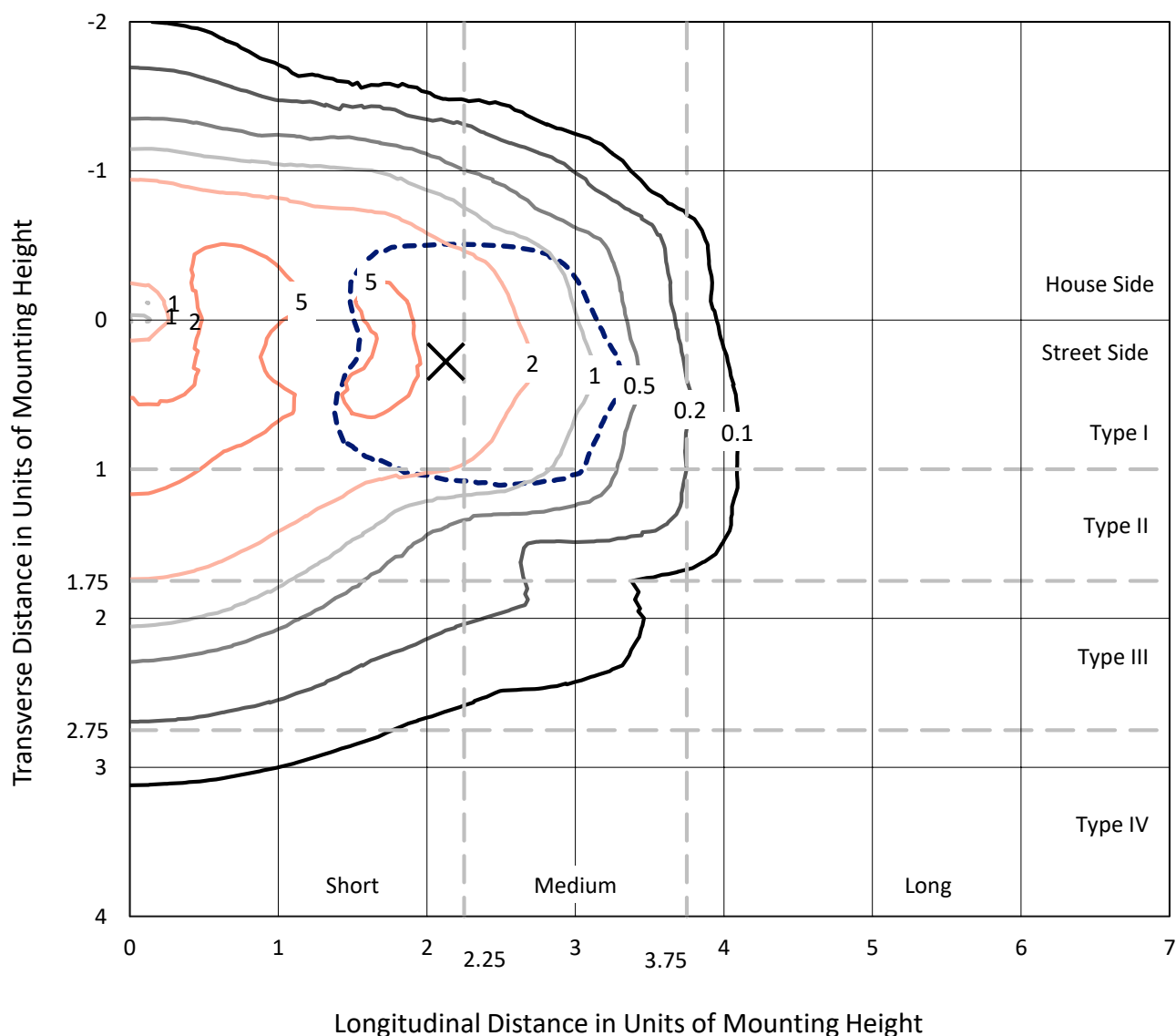
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

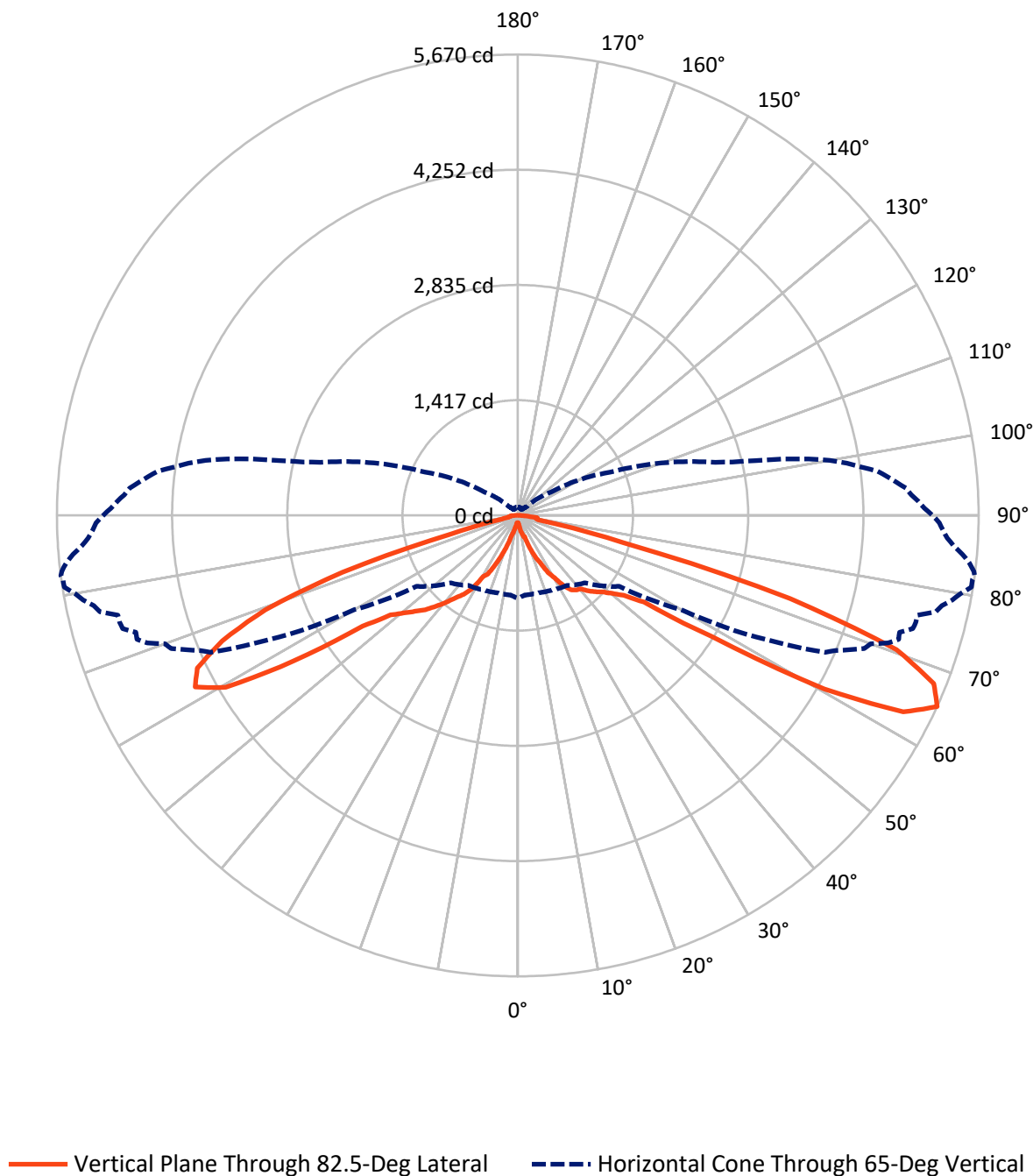


Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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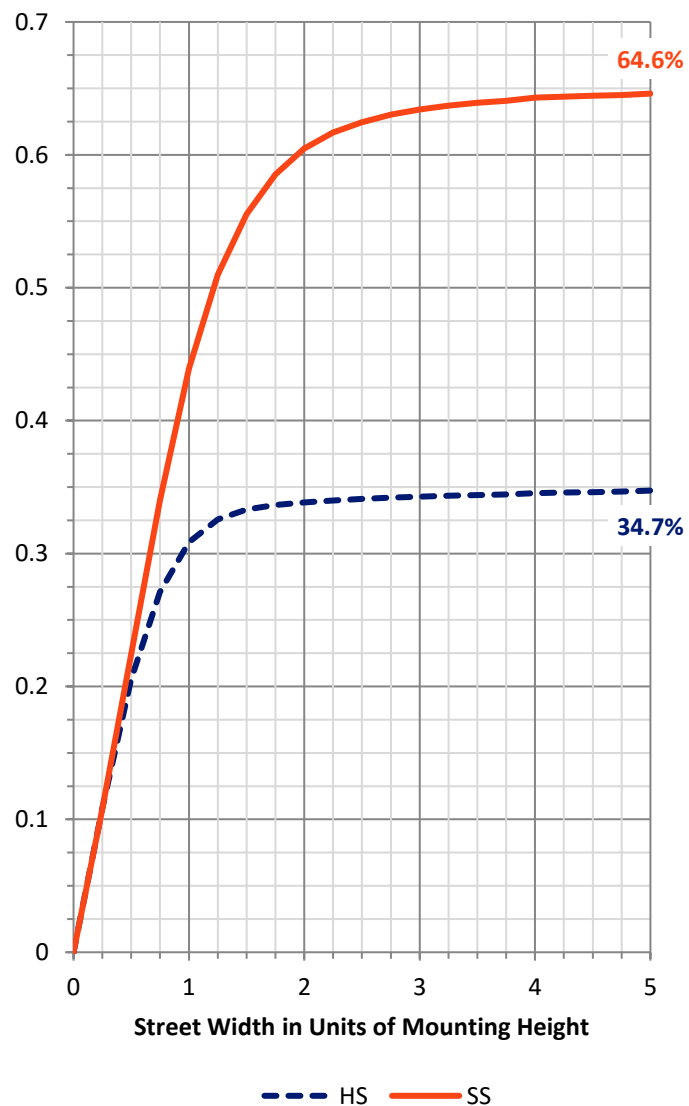
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1972.5	0.0	1972.5
	% Fixture	35.2	0.0	35.2
Street Side	Lumens	3624.7	0.0	3624.7
	% Fixture	64.8	0.0	64.8
Total	Lumens	5597.1	0.0	5597.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.7	0.2
10°-20°	82.6	1.5
20°-30°	276.6	4.9
30°-40°	610.5	10.9
40°-50°	964.8	17.2
50°-60°	1368.7	24.5
60°-70°	1628.4	29.1
70°-80°	550.7	9.8
80°-90°	102.1	1.8
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°	5597.1	100.0
0°-180°	5597.1	100.0

Coefficient of Utilization



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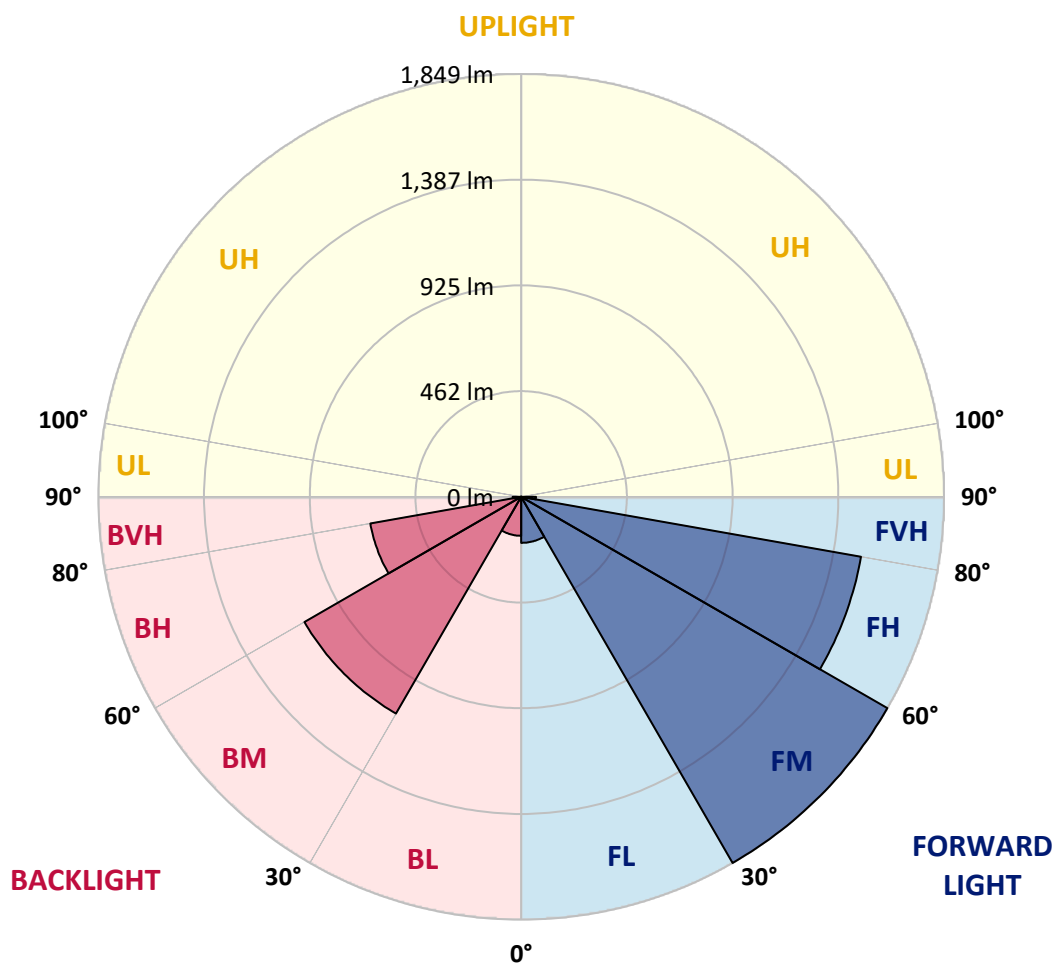
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	201.4	3.6			
FM	(30°-60°)	1849.4	33.0			
FH	(60°-80°)	1509.2	27.0			G1/1800
FVH	(80°-90°)	64.8	1.2			G1/100
BL	(0°-30°)	170.6	3.0	B1/500		
BM	(30°-60°)	1094.6	19.6	B2/2500		
BH	(60°-80°)	669.9	12.0	B2/1000		G2/1000
BVH	(80°-90°)	37.3	0.7			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°	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
2.5°	127.5	127.5	127.5	133.8	149.4	149.4	148.4	149.4	147.4	145.3	142.1
5°	132.7	135.9	133.8	132.7	130.6	129.6	128.5	127.5	127.5	129.6	134.8
7.5°	202.8	203.8	202.8	204.8	198.6	143.2	133.8	132.7	135.9	136.9	134.8
10°	241.4	225.7	220.5	216.3	211.1	201.7	200.7	195.4	193.3	192.3	187.1
12.5°	308.3	308.3	306.2	292.6	279.0	271.7	278.0	263.4	261.3	255.0	236.2
15°	406.5	405.5	336.5	320.8	360.6	342.8	289.5	306.2	322.9	320.8	321.9
17.5°	434.8	434.8	429.5	412.8	388.8	364.7	391.9	342.8	341.7	342.8	348.0
20°	539.3	539.3	518.4	481.8	459.8	435.8	420.1	458.8	446.3	436.9	429.5
22.5°	543.5	543.5	528.8	557.0	518.4	495.4	537.2	545.5	556.0	557.0	545.5
25°	628.1	629.2	614.5	572.7	579.0	567.5	590.5	646.9	646.9	637.5	664.7
27.5°	716.9	718.0	627.1	644.8	623.9	665.7	727.4	755.6	734.7	742.0	744.1
30°	758.7	759.8	754.6	748.3	723.2	739.9	771.3	797.4	811.0	861.2	845.5
32.5°	936.4	937.5	904.0	826.7	841.3	872.7	886.2	892.5	908.2	916.6	916.6
35°	1147.5	1144.4	1083.8	1015.8	971.9	965.7	982.4	1035.7	1062.9	1036.7	1048.2
37.5°	1316.8	1302.2	1234.3	1190.4	1143.3	1130.8	1144.4	1137.1	1139.2	1105.7	1105.7
40°	1433.9	1434.9	1397.3	1359.7	1288.6	1310.6	1272.9	1262.5	1234.3	1228.0	1200.8
42.5°	1557.2	1562.4	1514.4	1467.3	1400.4	1460.0	1426.6	1410.9	1348.2	1366.0	1331.5
45°	1685.8	1689.9	1634.5	1569.7	1511.2	1602.1	1594.8	1568.7	1536.3	1539.4	1502.9
47.5°	1780.9	1789.2	1726.5	1650.2	1610.5	1718.1	1754.7	1752.6	1748.5	1719.2	1704.6
50°	1836.2	1841.5	1772.5	1716.1	1666.9	1804.9	1919.9	1938.7	1972.1	1914.6	1953.3
52.5°	1854.0	1857.1	1788.2	1726.5	1679.5	1853.0	2045.3	2148.7	2172.8	2162.3	2222.9
55°	1804.9	1809.1	1757.9	1702.5	1660.7	1860.3	2145.6	2347.3	2361.9	2392.2	2513.5
57.5°	1724.4	1722.3	1711.9	1653.4	1649.2	1854.0	2229.2	2600.2	2608.6	2755.9	2973.3
60°	1621.0	1625.1	1619.9	1589.6	1608.4	1787.1	2211.4	2742.4	2839.5	3066.3	3410.2
62.5°	1459.0	1466.3	1444.3	1402.5	1417.2	1556.2	2002.4	2676.5	2903.3	3198.0	3616.1
65°	1020.0	983.4	985.5	1010.6	1053.5	1172.6	1521.7	2318.0	2675.5	3019.3	3570.1
67.5°	587.3	597.8	596.8	621.8	674.1	768.2	973.0	1552.0	1874.9	2274.1	2966.0
70°	451.5	451.5	466.1	499.6	532.0	640.6	699.2	840.3	988.7	1257.3	1899.0
72.5°	339.7	338.6	352.2	383.6	448.3	586.3	818.3	581.1	600.9	653.2	1027.3
75°	197.5	192.3	197.5	219.5	273.8	437.9	827.7	646.9	617.7	580.0	645.9
77.5°	102.4	102.4	107.6	112.9	140.0	224.7	596.8	790.1	765.0	701.3	658.4
80°	58.5	60.6	64.8	64.8	67.9	93.0	259.2	773.4	853.8	873.7	857.0
82.5°	29.3	33.4	46.0	46.0	44.9	47.0	97.2	453.6	617.7	766.1	1032.6
85°	16.7	17.8	30.3	33.4	32.4	28.2	44.9	202.8	271.7	395.0	590.5
87.5°	6.3	9.4	14.6	16.7	18.8	14.6	26.1	57.5	77.3	106.6	130.6
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
2.5°	142.1	136.9	139.0	133.8	124.4	120.2	119.1	118.1	117.1	110.8	110.8
5°	139.0	140.0	143.2	144.2	144.2	145.3	147.4	146.3	147.4	145.3	144.2
7.5°	132.7	129.6	126.5	124.4	124.4	124.4	124.4	125.4	129.6	135.9	139.0
10°	186.0	186.0	187.1	185.0	188.1	187.1	187.1	186.0	186.0	187.1	187.1
12.5°	206.9	200.7	199.6	197.5	198.6	197.5	198.6	203.8	202.8	203.8	201.7
15°	328.2	327.1	326.1	320.8	304.1	289.5	286.4	284.3	272.8	268.6	266.5
17.5°	347.0	341.7	347.0	344.9	339.7	334.4	330.3	321.9	297.9	297.9	294.7
20°	436.9	449.4	453.6	476.6	473.4	481.8	481.8	478.7	479.7	476.6	464.0
22.5°	530.9	518.4	511.1	522.6	524.6	519.4	530.9	528.8	554.9	542.4	577.9
25°	667.8	695.0	711.7	696.0	688.7	691.9	701.3	689.8	696.0	691.9	693.9
27.5°	745.2	758.7	749.3	748.3	752.5	755.6	742.0	742.0	741.0	767.1	792.2
30°	867.4	855.9	855.9	862.2	871.6	871.6	860.1	857.0	868.5	858.0	870.6
32.5°	913.4	907.1	929.1	1001.2	1004.3	989.7	990.8	1004.3	1005.4	1020.0	1022.1
35°	1035.7	1053.5	1066.0	1069.1	1056.6	1055.6	1069.1	1076.5	1091.1	1092.1	1104.7
37.5°	1118.3	1125.6	1126.6	1122.4	1103.6	1116.2	1123.5	1132.9	1132.9	1143.3	1138.1
40°	1210.2	1213.4	1212.3	1178.9	1173.7	1188.3	1192.5	1189.3	1188.3	1190.4	1186.2
42.5°	1330.4	1324.1	1292.8	1267.7	1272.9	1272.9	1266.7	1252.0	1259.3	1243.7	1236.4
45°	1487.2	1471.5	1421.3	1399.4	1400.4	1380.6	1356.5	1353.4	1333.6	1314.7	1332.5
47.5°	1699.3	1650.2	1601.1	1581.2	1560.3	1529.0	1488.2	1472.6	1442.2	1425.5	1427.6
50°	1953.3	1880.1	1847.7	1851.9	1810.1	1751.6	1718.1	1670.1	1614.7	1609.5	1586.5
52.5°	2203.1	2163.4	2172.8	2169.6	2118.4	2064.1	2034.8	1997.2	1936.6	1909.4	1844.6
55°	2461.2	2481.1	2536.5	2534.4	2509.3	2502.0	2487.3	2454.9	2464.4	2395.4	2314.9
57.5°	2954.5	3053.8	3186.5	3237.7	3232.5	3253.4	3304.6	3360.0	3402.9	3348.5	3356.9
60°	3545.0	3754.0	3951.5	4039.3	4187.7	4256.7	4371.7	4521.1	4622.5	4547.2	4676.8
62.5°	3846.0	4145.9	4296.4	4398.8	4595.3	4693.6	4844.1	5013.4	5055.2	5112.6	5256.9
65°	3877.3	4140.7	4249.4	4409.3	4566.1	4619.4	4819.0	4927.7	4912.0	5055.2	5070.8
67.5°	3407.0	3631.7	3804.2	4039.3	4158.5	4281.8	4446.9	4467.8	4533.7	4649.7	4568.1
70°	2420.5	2784.2	3017.2	3288.9	3477.1	3675.6	3832.4	3846.0	3952.6	3989.2	3947.4
72.5°	1309.5	1664.8	1944.9	2279.4	2499.9	2726.7	2868.8	2951.4	2993.2	2937.8	3042.3
75°	737.8	883.1	1063.9	1237.4	1411.9	1498.7	1564.5	1595.9	1526.9	1506.0	1503.9
77.5°	623.9	616.6	631.2	599.9	608.3	586.3	590.5	537.2	500.6	526.7	524.6
80°	766.1	697.1	616.6	507.9	434.8	370.0	333.4	322.9	336.5	372.1	397.1
82.5°	1017.9	1005.4	872.7	733.7	616.6	493.3	399.2	344.9	351.2	375.2	421.2
85°	699.2	729.5	646.9	606.2	498.5	418.0	344.9	277.0	254.0	242.5	231.0
87.5°	141.1	123.3	110.8	104.5	90.9	80.5	72.1	65.8	66.9	62.7	61.7
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):

	76°	77°	78°	79°	80°	81°	82°	82.5°	83°	84°	85°
0°	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
2.5°	104.5	99.3	100.3	97.2	95.1	94.1	97.2	97.2	96.1	95.1	90.9
5°	142.1	141.1	136.9	131.7	125.4	113.9	107.6	102.4	99.3	98.2	96.1
7.5°	141.1	140.0	139.0	139.0	139.0	138.0	138.0	134.8	131.7	122.3	101.4
10°	187.1	192.3	203.8	210.1	210.1	209.0	202.8	201.7	200.7	199.6	191.3
12.5°	201.7	196.5	196.5	197.5	204.8	212.2	216.3	214.2	214.2	214.2	211.1
15°	265.5	265.5	264.4	264.4	264.4	266.5	265.5	271.7	275.9	273.8	274.9
17.5°	294.7	298.9	296.8	296.8	290.5	279.0	301.0	274.9	273.8	308.3	337.6
20°	446.3	445.2	438.9	436.9	432.7	430.6	433.7	434.8	435.8	434.8	441.0
22.5°	574.8	557.0	543.5	540.3	553.9	559.1	552.9	553.9	549.7	550.8	541.4
25°	699.2	683.5	699.2	682.5	671.0	659.5	658.4	652.1	660.5	664.7	677.2
27.5°	810.0	818.3	817.3	826.7	812.0	799.5	800.5	795.3	804.7	815.2	803.7
30°	872.7	880.0	875.8	864.3	869.5	872.7	892.5	889.4	885.2	862.2	851.8
32.5°	1030.5	1027.3	1019.0	1026.3	1050.3	1062.9	1031.5	1024.2	1025.2	1038.8	1030.5
35°	1098.4	1098.4	1100.5	1132.9	1141.3	1118.3	1117.2	1123.5	1137.1	1112.0	1097.4
37.5°	1132.9	1140.2	1168.4	1176.8	1151.7	1151.7	1170.5	1165.3	1153.8	1150.7	1164.2
40°	1184.1	1214.4	1223.8	1198.7	1199.8	1217.5	1198.7	1185.1	1194.6	1225.9	1227.0
42.5°	1264.6	1277.1	1251.0	1246.8	1271.9	1249.9	1249.9	1268.8	1280.3	1278.2	1289.7
45°	1343.0	1320.0	1304.3	1327.3	1311.6	1293.8	1335.6	1339.8	1339.8	1351.3	1368.0
47.5°	1417.2	1379.5	1395.2	1385.8	1351.3	1399.4	1408.8	1407.8	1414.0	1433.9	1428.7
50°	1526.9	1500.8	1495.5	1447.5	1476.7	1495.5	1494.5	1507.0	1518.5	1512.3	1558.2
52.5°	1751.6	1742.2	1654.4	1625.1	1639.8	1623.0	1639.8	1631.4	1630.4	1669.0	1672.2
55°	2238.6	2185.3	2031.7	2025.4	1946.0	1880.1	1902.1	1881.2	1890.6	1915.7	1933.4
57.5°	3353.7	3195.9	3153.1	3131.1	2975.4	2797.7	2778.9	2804.0	2800.9	2761.2	2827.0
60°	4678.9	4568.1	4686.2	4600.5	4479.3	4420.8	4335.1	4332.0	4295.4	4265.1	4196.1
62.5°	5163.9	5303.9	5414.7	5418.9	5446.0	5415.7	5372.9	5321.7	5329.0	5244.3	5217.2
65°	5069.8	5276.7	5334.2	5447.1	5531.7	5648.8	5650.9	5669.7	5653.0	5586.1	5492.0
67.5°	4756.3	4855.6	4919.3	5053.1	5221.3	5376.0	5502.5	5521.3	5532.8	5494.1	5355.1
70°	4130.2	4172.1	4261.9	4396.7	4600.5	4754.2	4926.6	4944.4	4981.0	4940.2	4843.0
72.5°	3058.0	3045.4	3092.5	3185.5	3281.6	3388.2	3498.0	3505.3	3585.7	3505.3	3393.5
75°	1421.3	1384.8	1354.5	1349.2	1360.7	1392.1	1388.9	1347.1	1335.6	1240.5	1172.6
77.5°	487.0	474.5	449.4	410.7	366.8	313.5	274.9	256.1	238.3	212.2	202.8
80°	429.5	457.8	454.6	424.3	373.1	312.5	255.0	226.8	202.8	163.0	147.4
82.5°	495.4	558.1	605.1	572.7	492.2	400.3	290.5	242.5	198.6	134.8	109.7
85°	237.2	234.1	257.1	218.4	206.9	151.5	113.9	96.1	87.8	72.1	66.9
87.5°	62.7	63.8	65.8	65.8	63.8	59.6	58.5	56.4	55.4	51.2	48.1
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):

	86°	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°
0°	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
2.5°	90.9	89.9	89.9	88.8	88.8	88.8	88.8	88.8	87.8	87.8	87.8
5°	97.2	97.2	96.1	93.0	90.9	90.9	89.9	89.9	88.8	88.8	88.8
7.5°	93.0	92.0	90.9	92.0	94.1	95.1	95.1	94.1	93.0	94.1	94.1
10°	162.0	150.5	147.4	146.3	144.2	144.2	143.2	141.1	138.0	136.9	136.9
12.5°	205.9	167.2	162.0	160.9	158.9	157.8	156.8	151.5	149.4	151.5	152.6
15°	273.8	259.2	227.8	228.9	229.9	228.9	228.9	226.8	223.7	220.5	220.5
17.5°	316.7	328.2	290.5	302.0	293.7	303.1	297.9	293.7	299.9	275.9	283.2
20°	437.9	437.9	421.2	396.1	399.2	403.4	408.6	407.6	402.4	393.0	388.8
22.5°	549.7	543.5	549.7	534.0	528.8	536.1	503.7	520.5	515.2	521.5	522.6
25°	682.5	684.5	662.6	643.8	628.1	630.2	642.7	639.6	623.9	629.2	644.8
27.5°	792.2	800.5	816.2	794.3	780.7	776.5	772.3	775.5	797.4	795.3	776.5
30°	862.2	850.7	847.6	858.0	875.8	862.2	880.0	852.8	844.4	870.6	869.5
32.5°	998.1	1014.8	1030.5	1027.3	1029.4	1048.2	1037.8	1039.9	1032.6	1025.2	1039.9
35°	1115.1	1116.2	1105.7	1120.4	1116.2	1121.4	1135.0	1136.0	1140.2	1138.1	1139.2
37.5°	1163.2	1171.6	1175.7	1149.6	1177.8	1179.9	1192.5	1202.9	1223.8	1239.5	1246.8
40°	1240.5	1235.3	1225.9	1254.1	1228.0	1244.7	1275.0	1294.9	1317.9	1349.2	1359.7
42.5°	1302.2	1302.2	1318.9	1311.6	1344.0	1337.7	1372.2	1405.7	1434.9	1442.2	1498.7
45°	1369.1	1400.4	1403.6	1420.3	1441.2	1479.9	1483.0	1510.2	1542.6	1583.3	1602.1
47.5°	1470.5	1473.6	1512.3	1534.2	1563.5	1596.9	1615.7	1625.1	1665.9	1699.3	1720.2
50°	1555.1	1608.4	1631.4	1666.9	1705.6	1722.3	1751.6	1774.6	1790.3	1812.2	1825.8
52.5°	1712.9	1748.5	1799.7	1834.2	1872.8	1901.0	1926.1	1967.9	1969.0	1966.9	1981.5
55°	1976.3	2049.4	2129.9	2156.0	2230.3	2265.8	2309.7	2334.8	2372.4	2334.8	2344.2
57.5°	2874.0	2991.1	3055.9	3142.6	3210.6	3261.8	3274.3	3304.6	3359.0	3352.7	3318.2
60°	4273.4	4287.0	4338.2	4404.1	4399.9	4459.5	4421.8	4467.8	4386.3	4376.9	4292.2
62.5°	5168.0	5140.9	5135.6	5128.3	5104.3	5060.4	5004.0	4959.0	4886.9	4782.4	4710.3
65°	5376.0	5291.4	5233.9	5188.9	5100.1	5006.0	4930.8	4847.2	4787.6	4678.9	4570.2
67.5°	5214.0	5110.6	5007.1	4872.3	4775.1	4659.1	4547.2	4474.1	4364.4	4303.7	4127.1
70°	4730.1	4544.1	4370.6	4196.1	4111.4	3955.7	3851.2	3797.9	3688.2	3621.3	3490.6
72.5°	3304.6	3154.1	2901.2	2768.5	2740.3	2627.4	2581.4	2556.3	2503.0	2442.4	2374.5
75°	1116.2	1065.0	1001.2	872.7	908.2	858.0	825.6	872.7	854.9	855.9	822.5
77.5°	195.4	189.2	180.8	171.4	168.3	171.4	167.2	173.5	174.5	177.7	174.5
80°	140.0	132.7	127.5	123.3	120.2	121.2	118.1	119.1	118.1	119.1	118.1
82.5°	100.3	96.1	90.9	87.8	86.7	87.8	85.7	88.8	90.9	94.1	97.2
85°	62.7	61.7	58.5	57.5	57.5	56.4	57.5	61.7	65.8	71.1	74.2
87.5°	44.9	44.9	42.8	44.9	44.9	47.0	50.2	55.4	60.6	65.8	72.1
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):

	97°	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°
0°	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
2.5°	87.8	87.8	87.8	87.8	87.8	87.8	87.8	86.7	86.7	87.8	87.8
5°	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	92.0	138.0
7.5°	93.0	93.0	93.0	92.0	92.0	92.0	93.0	94.1	93.0	131.7	89.9
10°	139.0	141.1	143.2	142.1	143.2	144.2	145.3	145.3	158.9	140.0	96.1
12.5°	153.6	153.6	154.7	153.6	152.6	167.2	197.5	197.5	198.6	154.7	153.6
15°	217.4	214.2	217.4	226.8	256.1	260.2	261.3	260.2	247.7	231.0	221.6
17.5°	261.3	248.7	262.3	286.4	260.2	259.2	243.5	232.0	236.2	288.4	298.9
20°	395.0	409.7	417.0	429.5	420.1	395.0	385.6	386.7	384.6	394.0	333.4
22.5°	516.3	535.1	533.0	527.8	513.1	528.8	535.1	495.4	488.1	519.4	538.2
25°	671.0	661.6	663.6	653.2	648.0	650.1	656.3	686.6	685.6	743.1	598.8
27.5°	801.6	814.1	805.8	806.8	825.6	813.1	834.0	834.0	876.8	812.0	802.6
30°	855.9	868.5	892.5	898.8	917.6	929.1	927.0	934.3	937.5	981.4	875.8
32.5°	1068.1	1055.6	1074.4	1102.6	1113.0	1122.4	1151.7	1148.6	1131.8	1086.9	1000.2
35°	1165.3	1192.5	1192.5	1195.6	1241.6	1244.7	1241.6	1259.3	1245.8	1216.5	1054.5
37.5°	1261.4	1271.9	1305.3	1310.6	1303.2	1337.7	1338.8	1329.4	1343.0	1289.7	1154.8
40°	1375.4	1390.0	1395.2	1424.5	1409.8	1405.7	1445.4	1430.7	1421.3	1356.5	1185.1
42.5°	1504.9	1500.8	1509.1	1511.2	1526.9	1510.2	1509.1	1541.5	1516.4	1411.9	1182.0
45°	1635.6	1617.8	1609.5	1610.5	1608.4	1616.8	1590.6	1608.4	1611.5	1441.2	1154.8
47.5°	1718.1	1741.1	1720.2	1702.5	1691.0	1692.0	1683.7	1642.9	1675.3	1450.6	1112.0
50°	1846.7	1844.6	1842.5	1802.8	1791.3	1769.4	1758.9	1729.6	1706.7	1420.3	1065.0
52.5°	1990.9	1986.7	1992.0	1957.5	1913.6	1886.4	1855.1	1827.9	1774.6	1390.0	1012.7
55°	2347.3	2337.9	2309.7	2300.3	2219.8	2150.8	2065.1	2012.9	1965.8	1387.9	952.1
57.5°	3307.8	3264.9	3191.7	3135.3	2983.8	2838.5	2704.7	2552.1	2446.6	1503.9	906.1
60°	4194.0	4139.7	4045.6	3863.7	3705.9	3450.9	3208.5	3007.8	2823.9	1626.2	853.8
62.5°	4551.4	4437.5	4298.5	4118.8	3850.2	3603.5	3272.2	3040.2	2808.2	1554.1	721.1
65°	4462.6	4271.3	4101.0	3899.3	3642.2	3333.9	2996.3	2717.3	2515.6	1255.2	500.6
67.5°	4039.3	3863.7	3693.4	3456.2	3171.9	2828.0	2538.6	2250.1	2069.3	893.6	279.0
70°	3380.9	3247.1	3040.2	2810.3	2552.1	2239.7	1944.9	1694.1	1514.4	545.5	135.9
72.5°	2324.3	2210.4	2123.6	1928.2	1666.9	1384.8	1218.6	1023.2	915.5	279.0	89.9
75°	840.3	849.7	782.8	748.3	662.6	534.0	470.3	396.1	345.9	126.5	88.8
77.5°	195.4	192.3	202.8	208.0	193.3	176.6	158.9	146.3	136.9	99.3	94.1
80°	119.1	118.1	117.1	116.0	115.0	113.9	112.9	110.8	108.7	97.2	95.1
82.5°	99.3	100.3	100.3	100.3	101.4	101.4	102.4	102.4	101.4	97.2	96.1
85°	77.3	80.5	83.6	86.7	90.9	95.1	97.2	98.2	98.2	95.1	95.1
87.5°	77.3	81.5	86.7	93.0	99.3	104.5	108.7	110.8	110.8	96.1	94.1
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):

	135°	145°	155°	165°	175°	180°
0°	89.9	89.9	89.9	89.9	89.9	89.9
2.5°	93.0	90.9	92.0	99.3	95.1	93.0
5°	140.0	108.7	90.9	89.9	88.8	87.8
7.5°	93.0	93.0	95.1	118.1	130.6	138.0
10°	104.5	149.4	156.8	153.6	154.7	152.6
12.5°	211.1	158.9	166.2	187.1	217.4	217.4
15°	228.9	279.0	226.8	228.9	225.7	225.7
17.5°	299.9	297.9	241.4	291.6	295.8	295.8
20°	379.4	343.8	357.4	313.5	308.3	307.3
22.5°	409.7	424.3	378.3	384.6	384.6	382.5
25°	545.5	477.6	446.3	397.1	441.0	431.6
27.5°	635.4	528.8	522.6	469.3	463.0	458.8
30°	753.5	662.6	558.1	534.0	533.0	528.8
32.5°	818.3	690.8	604.1	550.8	589.4	587.3
35°	891.5	720.1	639.6	599.9	572.7	568.5
37.5°	895.7	732.6	619.7	609.3	600.9	597.8
40°	907.1	707.5	617.7	608.3	599.9	596.8
42.5°	873.7	673.0	587.3	552.9	537.2	533.0
45°	827.7	619.7	524.6	486.0	467.2	463.0
47.5°	773.4	571.7	457.8	422.2	396.1	388.8
50°	716.9	509.0	391.9	349.1	324.0	315.6
52.5°	655.3	429.5	318.8	282.2	256.1	250.8
55°	581.1	345.9	248.7	223.7	208.0	203.8
57.5°	484.9	260.2	190.2	178.7	171.4	169.3
60°	372.1	182.9	143.2	146.3	143.2	145.3
62.5°	255.0	121.2	109.7	119.1	120.2	120.2
65°	148.4	87.8	88.8	100.3	101.4	102.4
67.5°	90.9	73.2	77.3	88.8	89.9	89.9
70°	76.3	67.9	72.1	83.6	84.7	84.7
72.5°	74.2	67.9	70.0	81.5	82.6	83.6
75°	75.2	66.9	70.0	81.5	80.5	79.4
77.5°	77.3	66.9	69.0	81.5	82.6	77.3
80°	76.3	64.8	65.8	86.7	83.6	71.1
82.5°	73.2	60.6	58.5	92.0	74.2	63.8
85°	67.9	54.3	48.1	100.3	73.2	46.0
87.5°	38.7	44.9	35.5	87.8	66.9	36.6
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)