

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: P457571

Luminaire Tested: **GLAN-SA8D-830-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P457571
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8D-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42788 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

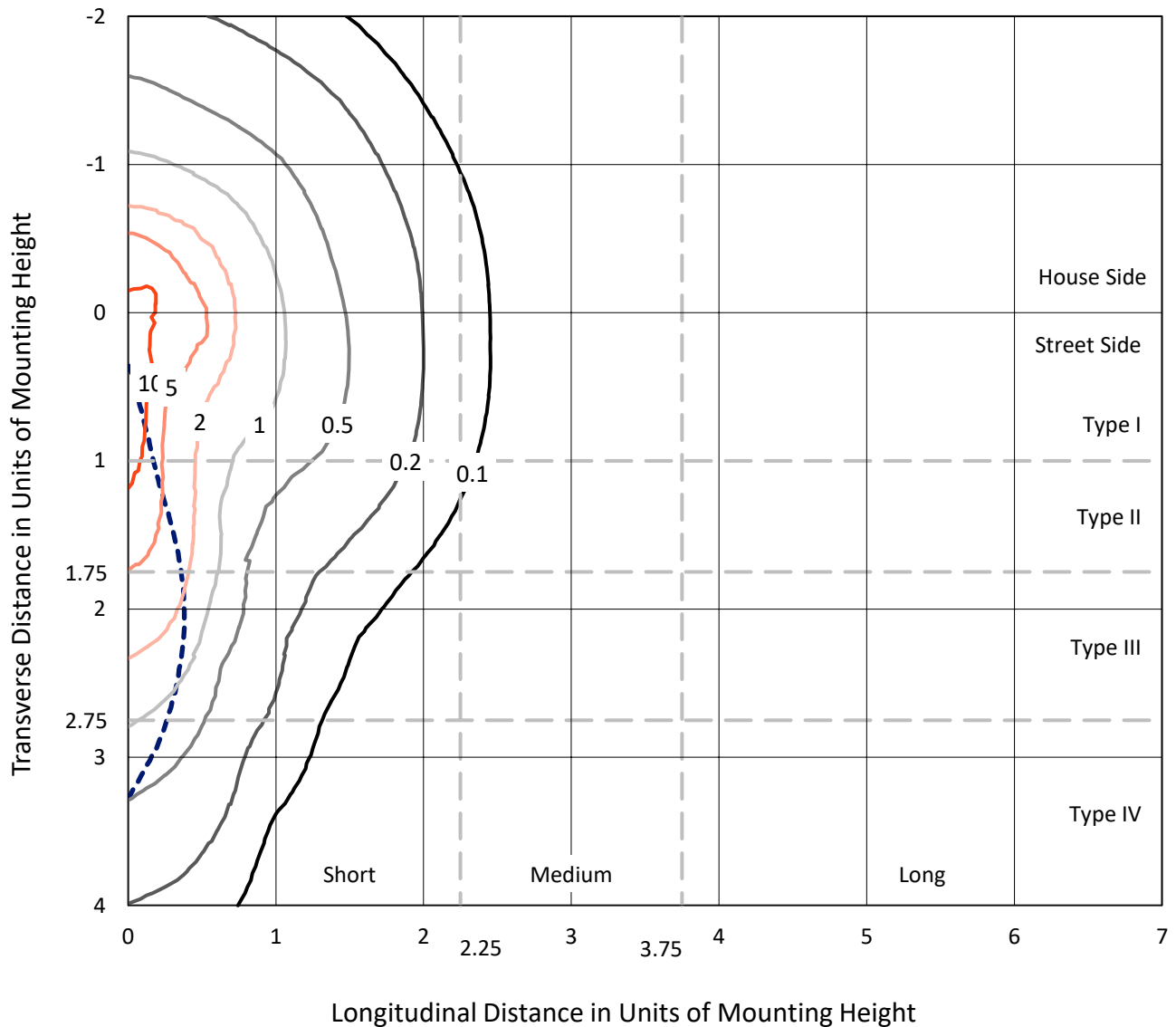
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

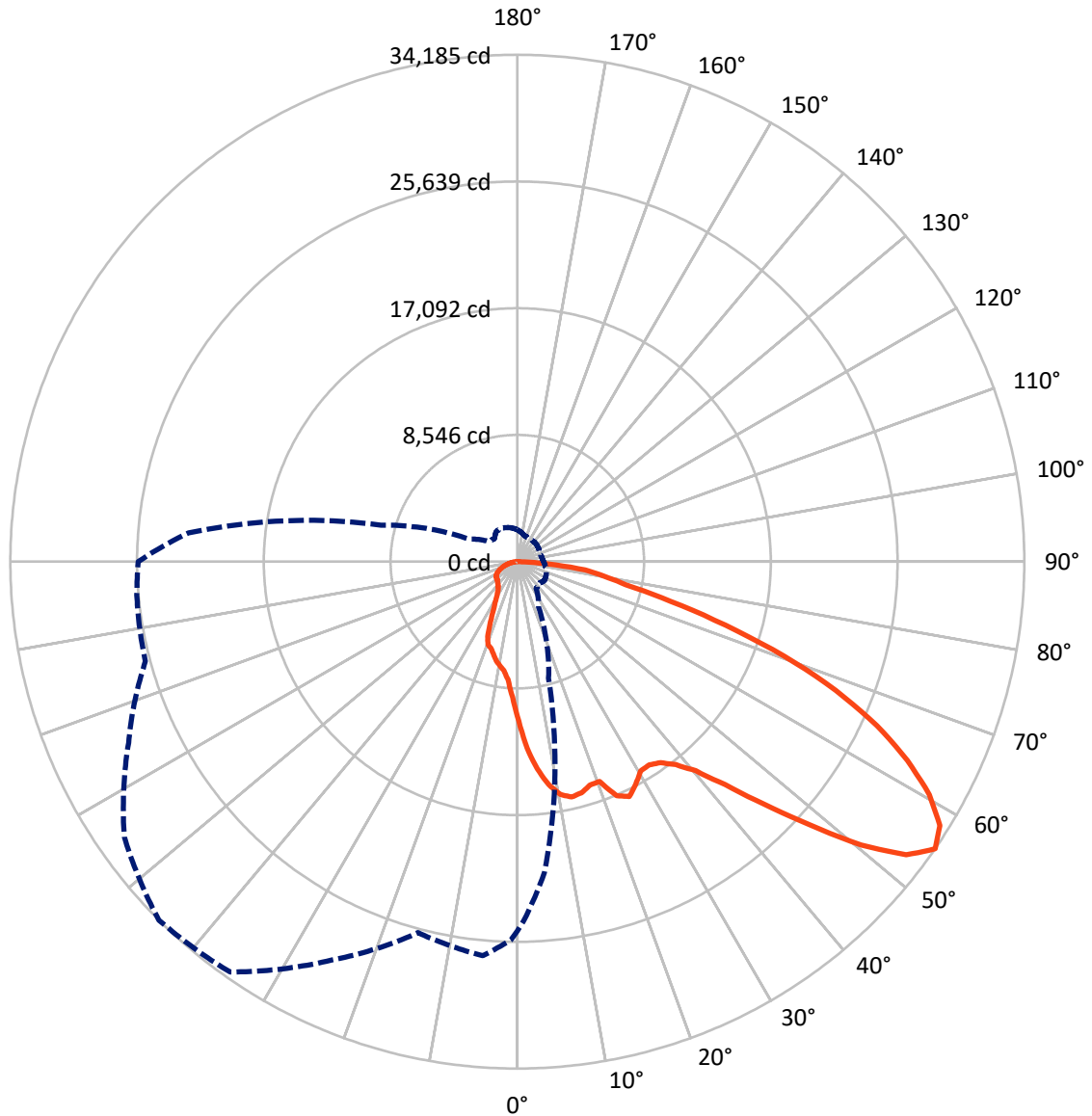
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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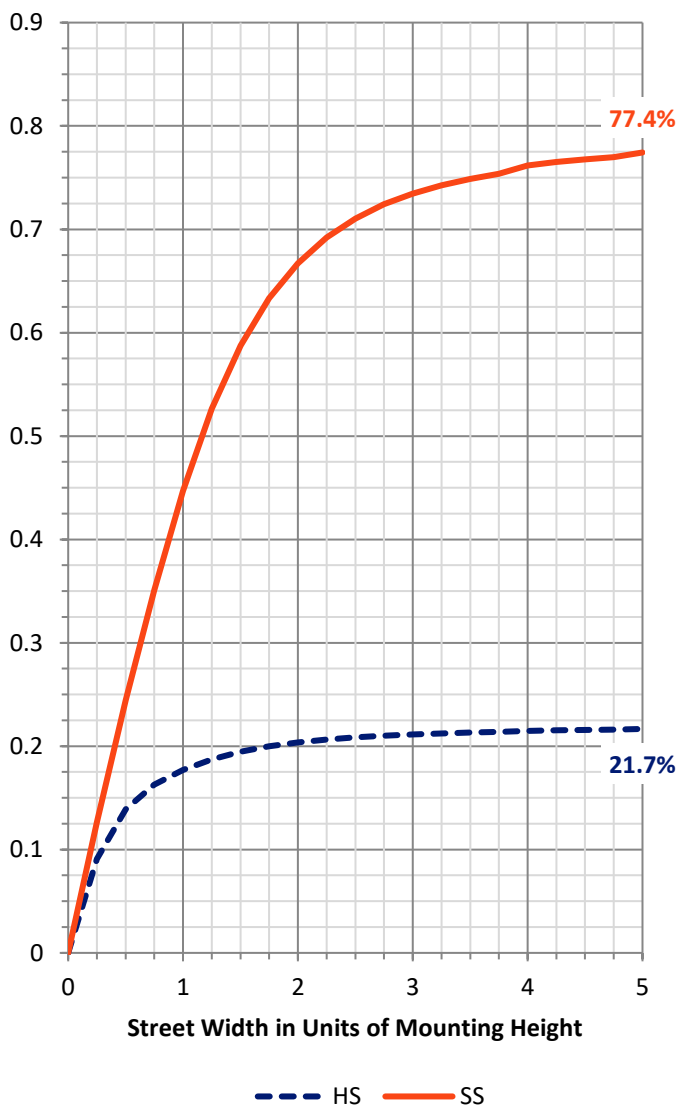
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9359.7	0.0	9359.7
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	33428.3	0.0	33428.3
	% Fixture	78.1	0.0	78.1
Total	Lumens	42788.0	0.0	42788.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	910.1	2.1
10°-20°	2414.5	5.6
20°-30°	4171.1	9.7
30°-40°	4847.5	11.3
40°-50°	6763.2	15.8
50°-60°	9177.0	21.4
60°-70°	8730.8	20.4
70°-80°	4716.6	11.0
80°-90°	1057.1	2.5
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°	42788.0	100.0
0°-180°	42788.0	100.0

Coefficient of Utilization



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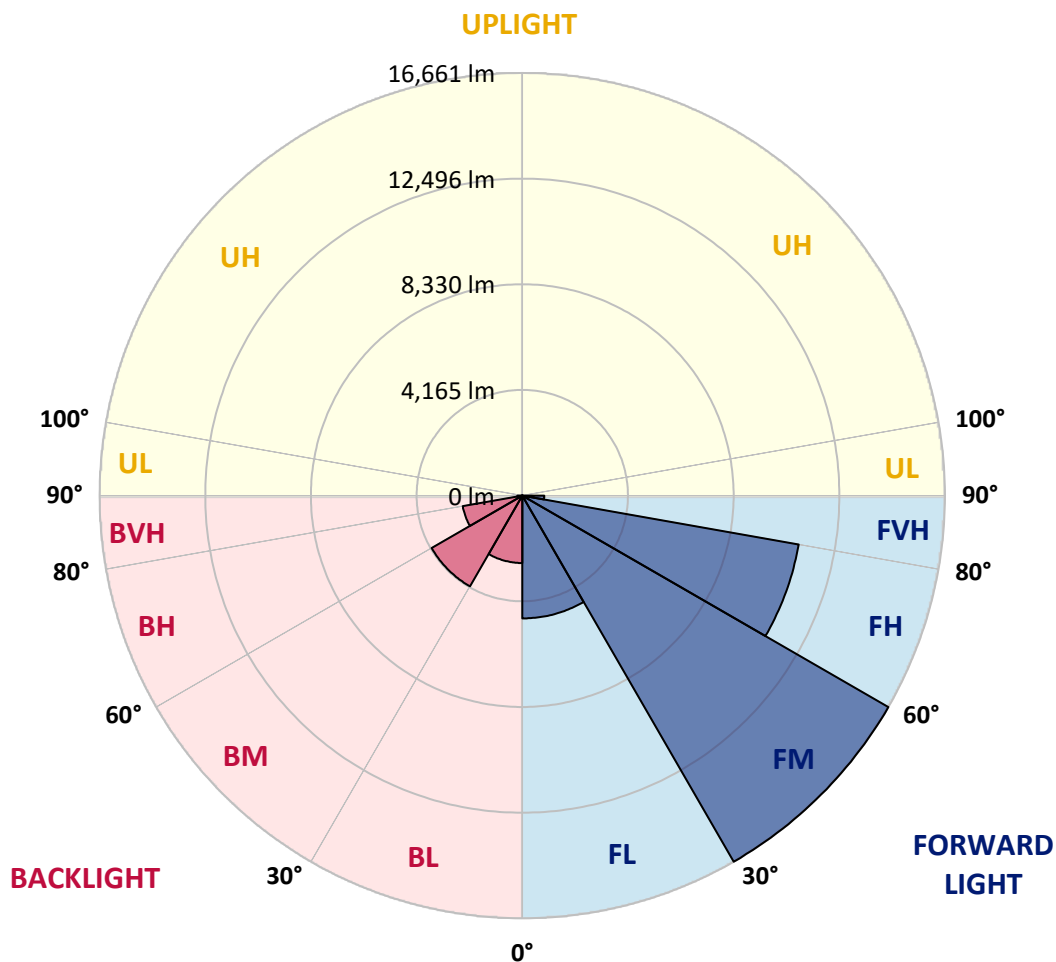
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4839.4	11.3			
FM	(30°-60°)	16660.7	38.9			
FH	(60°-80°)	11064.3	25.9			G4/12000
FVH	(80°-90°)	863.9	2.0			G5
BL	(0°-30°)	2656.3	6.2	B4/5000		
BM	(30°-60°)	4127.0	9.6	B3/5000		
BH	(60°-80°)	2383.2	5.6	B3/2500		G3/2500
BVH	(80°-90°)	193.2	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1
2.5°	11929.4	11884.2	11757.2	11424.1	11088.1	10746.6	10484.1	10156.6	9815.0	9631.6	9397.3
5°	12093.1	12042.3	11743.1	10992.2	10311.9	9597.7	9027.5	8527.8	8324.6	8025.4	7785.4
7.5°	11709.2	11686.6	11237.8	10159.4	9227.9	8293.5	7647.1	7246.3	6882.1	6746.6	6774.8
10°	11359.1	11268.8	10707.1	9298.5	8211.7	7452.3	6989.4	6597.0	6340.1	6272.4	6286.5
12.5°	11068.4	10947.0	10283.6	8719.8	7768.5	7161.6	6571.6	6162.3	5928.0	5992.9	6213.1
15°	11009.1	10845.4	10105.8	8522.2	7525.7	6743.8	6097.4	5625.9	5450.9	5592.1	5944.9
17.5°	11393.0	11186.9	10410.7	8587.1	7294.2	6317.5	5524.3	4985.2	4838.4	5064.2	5524.3
20°	12626.6	12321.7	11362.0	8962.5	7271.7	6105.8	5191.2	4649.2	4711.3	5140.4	5620.3
22.5°	14907.5	14450.2	13027.4	9510.2	7390.2	6052.2	5123.5	4841.2	5182.8	5546.9	5863.1
25°	15359.1	15000.6	13326.7	9634.4	7364.8	6015.5	5315.4	5456.6	5837.7	6018.3	5908.2
27.5°	15613.2	15203.9	13306.9	9019.0	6585.7	5456.6	5081.1	5315.4	5411.4	5236.4	4937.2
30°	16206.0	15779.7	13642.8	8372.6	5422.7	4048.0	3548.3	3452.3	3517.3	3551.1	3443.9
32.5°	17021.8	16601.2	14275.1	7949.1	4688.8	3347.9	2856.7	2721.2	2690.2	2653.5	2611.1
35°	18077.5	17431.1	14896.2	7678.1	4386.7	3096.7	2645.0	2540.6	2498.2	2447.4	2402.2
37.5°	19150.2	18472.7	15680.9	7393.0	4186.3	2921.6	2503.9	2455.9	2382.5	2328.9	2263.9
40°	20290.6	19531.3	16395.1	7144.6	3991.5	2808.7	2402.2	2396.6	2300.6	2238.5	2162.3
42.5°	21278.6	20496.7	17033.1	6992.2	3841.9	2690.2	2340.1	2357.1	2258.3	2165.1	2066.3
45°	22063.4	21295.6	17623.0	6992.2	3720.5	2571.6	2328.9	2317.6	2218.8	2103.0	1990.1
47.5°	22752.2	21958.9	18198.9	7170.0	3644.3	2472.8	2266.7	2286.5	2184.9	2038.1	1928.0
50°	23285.7	22585.6	18975.2	7446.7	3568.1	2393.8	2187.7	2295.0	2156.7	2004.2	1877.2
52.5°	23966.0	23339.3	19909.6	7824.9	3503.2	2306.3	2117.1	2295.0	2153.8	2007.0	1868.7
55°	24908.8	24248.3	21035.9	8138.3	3398.7	2224.4	2055.0	2230.1	2145.4	1992.9	1846.1
57.5°	25569.4	25075.4	21831.9	8347.2	3249.1	2120.0	1998.6	2167.9	2108.7	1939.3	1778.4
58°	25600.4	25117.7	21947.6	8395.2	3212.4	2100.2	1984.5	2139.7	2091.7	1916.7	1755.8
60°	25244.7	24829.8	21970.2	8327.4	3003.5	2001.4	1911.1	2024.0	2001.4	1784.0	1634.4
62.5°	23951.9	23508.7	21058.5	7776.9	2726.9	1880.0	1798.2	1868.7	1817.9	1597.7	1459.4
65°	22114.2	21298.4	19184.1	6913.2	2529.3	1750.2	1645.7	1651.4	1597.7	1439.7	1318.3
67.5°	19666.8	18755.0	16242.7	5826.4	2379.7	1606.2	1465.1	1450.9	1386.0	1284.4	1185.6
70°	16654.8	16031.0	13199.6	4739.6	2213.1	1448.1	1261.8	1253.3	1213.8	1137.6	1050.1
72.5°	13498.9	12705.6	10659.1	3793.9	2009.9	1295.7	1072.7	1089.6	1038.8	985.2	906.1
75°	9961.8	9442.4	8239.9	3043.0	1736.1	1129.1	894.8	900.5	877.9	821.4	759.3
77.5°	6560.3	6405.0	5894.1	1998.6	1335.2	897.7	731.1	736.8	719.8	669.0	604.1
80°	4414.9	4310.5	3994.3	1287.2	892.0	649.3	564.6	570.2	567.4	513.8	426.3
82.5°	2721.2	2676.1	2574.4	869.4	618.2	465.8	372.6	389.6	420.6	361.3	290.8
85°	1284.4	1287.2	1555.4	474.2	364.1	299.2	203.2	217.4	217.4	217.4	163.7
87.5°	166.5	175.0	214.5	200.4	132.7	112.9	73.4	62.1	53.6	70.6	50.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1
2.5°	9315.4	9258.9	9137.6	9109.3	9092.4	9140.4	9013.4	9047.2	8990.8	9148.9	9123.4
5°	7799.5	7805.2	7904.0	7968.9	7991.5	7968.9	7884.2	7737.4	7624.5	7579.3	7590.6
7.5°	6721.2	6820.0	6989.4	7178.5	7350.7	7401.5	7353.5	7074.1	6769.2	6577.2	6515.1
10°	6362.7	6495.4	6690.2	6839.8	6992.2	7113.6	7139.0	6921.6	6560.3	6105.8	5928.0
12.5°	6382.5	6563.1	6749.4	6797.4	6783.3	6831.3	6808.7	6772.0	6534.9	5956.2	5659.8
15°	6196.2	6410.7	6540.5	6515.1	6470.0	6427.6	6368.3	6275.2	6190.5	5784.0	5456.6
17.5°	5767.1	5987.3	6094.5	6103.0	6103.0	6091.7	5947.7	5913.9	5902.6	5705.0	5504.6
20°	5846.1	5967.5	5919.5	5840.5	5863.1	5939.3	5854.6	5837.7	5902.6	5990.1	5953.4
22.5°	5891.3	5848.9	5487.6	5137.6	5058.5	5295.7	5343.7	5532.8	5795.3	6111.5	6317.5
25°	5611.8	5270.3	4623.8	4228.6	4005.6	4225.8	4513.7	4863.8	5256.1	5662.6	5902.6
27.5°	4691.6	4431.9	3968.9	3613.2	3418.5	3452.3	3697.9	4016.9	4381.1	4654.9	4829.9
30°	3534.2	3418.5	3178.5	3057.1	2938.6	2910.4	3014.8	3136.2	3297.1	3331.0	3376.1
32.5°	2602.7	2585.7	2599.8	2560.3	2537.7	2534.9	2503.9	2532.1	2549.0	2568.8	2529.3
35°	2354.3	2331.7	2292.2	2280.9	2266.7	2272.4	2258.3	2244.2	2255.5	2272.4	2283.7
37.5°	2227.2	2193.4	2136.9	2117.1	2117.1	2125.6	2103.0	2097.4	2117.1	2170.8	2199.0
40°	2128.4	2088.9	2024.0	1998.6	2015.5	2038.1	2007.0	1995.8	2043.7	2100.2	2145.4
42.5°	2035.3	2004.2	1942.1	1913.9	1928.0	1970.3	1925.2	1916.7	1978.8	2040.9	2094.6
45°	1956.2	1925.2	1868.7	1854.6	1860.3	1899.8	1868.7	1868.7	1928.0	1995.8	2043.7
47.5°	1894.1	1854.6	1817.9	1806.6	1812.3	1834.9	1829.2	1829.2	1885.7	1956.2	2004.2
50°	1832.0	1798.2	1750.2	1755.8	1769.9	1801.0	1798.2	1806.6	1863.1	1950.6	2001.4
52.5°	1803.8	1753.0	1699.4	1705.0	1747.3	1784.0	1772.7	1781.2	1846.1	2009.9	2083.3
55°	1772.7	1705.0	1642.9	1651.4	1699.4	1753.0	1738.9	1750.2	1826.4	2049.4	2151.0
57.5°	1713.5	1634.4	1566.7	1572.3	1642.9	1699.4	1676.8	1690.9	1781.2	2007.0	2114.3
58°	1688.1	1620.3	1555.4	1558.2	1626.0	1688.1	1662.7	1673.9	1767.1	1995.8	2097.4
60°	1580.8	1541.3	1484.8	1487.6	1552.6	1606.2	1592.1	1603.4	1693.7	1913.9	1990.1
62.5°	1434.0	1411.4	1397.3	1397.3	1436.8	1487.6	1501.8	1515.9	1597.7	1730.4	1798.2
65°	1275.9	1275.9	1278.8	1278.8	1304.2	1369.1	1377.6	1414.2	1490.5	1555.4	1606.2
67.5°	1168.7	1163.0	1168.7	1154.5	1165.8	1205.4	1247.7	1281.6	1360.6	1405.8	1422.7
70°	1030.3	1027.5	1030.3	1010.6	1024.7	1058.6	1086.8	1143.3	1225.1	1259.0	1267.5
72.5°	894.8	894.8	900.5	886.4	886.4	923.1	942.8	1004.9	1081.2	1100.9	1103.7
75°	753.7	762.2	762.2	742.4	748.1	770.6	796.0	846.9	917.4	931.5	931.5
77.5°	598.4	629.5	629.5	609.7	618.2	621.0	654.9	680.3	733.9	739.6	717.0
80°	434.7	465.8	491.2	474.2	488.4	471.4	491.2	508.1	561.7	536.3	499.6
82.5°	310.5	333.1	352.9	355.7	341.6	310.5	335.9	338.7	364.1	330.3	310.5
85°	172.2	192.0	217.4	206.1	183.5	163.7	172.2	177.8	175.0	166.5	155.3
87.5°	45.2	48.0	53.6	39.5	36.7	31.1	42.3	42.3	48.0	50.8	48.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1
2.5°	9143.2	9267.4	9535.6	9738.8	9987.2	10289.3	10645.0	11003.5	11390.2	11511.6	11680.9
5°	7565.2	7875.7	8005.6	8375.4	8742.4	9292.8	9880.0	10560.3	11305.5	11664.0	12008.4
7.5°	6464.3	6630.9	6766.4	7037.4	7477.7	8146.7	8883.5	9733.2	10788.9	11311.2	11816.4
10°	5871.5	5888.5	6055.0	6390.9	6774.8	7364.8	8062.1	9013.4	10190.5	10825.6	11418.4
12.5°	5479.1	5405.8	5586.4	5936.5	6371.2	6916.0	7556.8	8462.9	9758.6	10410.7	11127.7
15°	5134.8	5019.0	5154.5	5513.0	5942.1	6582.9	7271.7	8231.4	9589.2	10348.6	11144.6
17.5°	5143.2	4824.2	4872.2	5174.3	5600.5	6252.6	7088.2	8223.0	9846.1	10721.2	11664.0
20°	5778.4	5267.4	5050.1	5106.5	5518.7	6230.0	7172.9	8618.2	10690.1	11966.1	12973.8
22.5°	6402.2	6094.5	5744.5	5628.8	5854.6	6599.8	7712.0	9552.5	12525.0	14447.3	16268.1
25°	6184.9	6447.4	6359.9	6196.2	6247.0	6865.2	8079.0	10320.3	13950.5	16115.6	17826.3
27.5°	4948.5	5425.5	5521.5	5518.7	5538.4	6046.5	7266.0	9803.8	14128.4	16434.6	18069.1
30°	3477.7	3520.1	3570.9	3669.7	3760.0	4214.5	5685.2	8606.9	14049.3	16578.6	18215.8
32.5°	2509.5	2566.0	2636.5	2772.0	2986.6	3565.3	4973.9	8225.8	14467.1	17174.2	18644.9
35°	2295.0	2359.9	2427.6	2582.9	2786.2	3322.5	4691.6	8067.7	15153.1	18139.6	19415.6
37.5°	2227.2	2300.6	2359.9	2472.8	2636.5	3147.5	4434.7	7960.4	15855.9	19161.5	20448.7
40°	2179.2	2263.9	2311.9	2402.2	2515.2	2986.6	4206.0	7875.7	16536.2	20095.9	21278.6
42.5°	2136.9	2224.4	2286.5	2351.4	2444.6	2842.6	4002.8	7791.1	17126.2	21002.0	22105.7
45°	2086.1	2196.2	2275.2	2326.0	2407.9	2721.2	3847.5	7723.3	17798.1	21806.5	22941.3
47.5°	2043.7	2165.1	2263.9	2323.2	2354.3	2636.5	3723.3	7816.5	18605.4	22647.7	23717.6
50°	2046.6	2162.3	2286.5	2379.7	2297.8	2566.0	3647.1	8186.3	19655.5	23647.0	24330.1
52.5°	2136.9	2278.0	2376.8	2399.4	2218.8	2481.3	3607.6	8832.7	20897.5	24530.6	24948.3
55°	2238.5	2385.3	2492.6	2478.5	2176.4	2374.0	3599.1	9521.5	22258.2	25560.9	25752.8
57.5°	2201.8	2416.4	2580.1	2506.7	2179.2	2269.6	3562.4	10077.6	23395.8	26331.5	26548.9
58°	2190.5	2405.1	2591.4	2501.0	2170.8	2238.5	3554.0	10125.6	23553.8	26385.2	26661.8
60°	2080.4	2306.3	2582.9	2458.7	2122.8	2153.8	3460.8	10280.8	23511.5	26108.5	26729.6
62.5°	1880.0	2066.3	2388.1	2252.6	1976.0	2040.9	3251.9	10088.9	22365.4	24776.1	25738.7
65°	1654.2	1792.5	2007.0	1981.6	1767.1	1925.2	2966.8	9329.5	20070.5	22613.8	23627.2
67.5°	1484.8	1597.7	1733.2	1696.5	1589.3	1769.9	2659.1	8045.1	17496.0	20016.8	21292.7
70°	1312.6	1400.1	1467.9	1442.5	1408.6	1617.5	2385.3	6529.2	15028.8	17549.7	18786.1
72.5°	1137.6	1219.5	1275.9	1239.2	1219.5	1456.6	2162.3	5067.0	11870.1	14478.4	16067.7
75°	951.3	1033.2	1072.7	1030.3	1019.0	1284.4	1832.0	3785.4	8906.1	11161.5	12533.4
77.5°	736.8	824.3	875.1	861.0	866.6	1055.7	1479.2	2591.4	6368.3	7607.6	9052.9
80°	516.6	612.6	646.4	632.3	671.8	804.5	1044.5	1645.7	4392.4	4937.2	5956.2
82.5°	319.0	409.3	415.0	429.1	457.3	595.6	787.6	1002.1	2757.9	2851.1	3590.7
85°	160.9	194.8	208.9	231.5	256.9	364.1	448.8	621.0	1775.6	1343.7	2007.0
87.5°	53.6	56.5	67.7	84.7	104.4	149.6	192.0	254.1	440.4	242.8	621.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P457571

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1	10738.1
2.5°	12022.5	12262.5	12437.5	12598.4	12443.1	12429.0	12276.6	12031.0	11929.4	11929.4
5°	12731.0	13292.8	13747.3	14038.0	13913.8	13614.6	13120.6	12491.1	12152.4	12093.1
7.5°	12925.8	14035.2	14879.2	15178.5	14969.6	14309.0	13363.4	12302.0	11816.4	11709.2
10°	12807.3	14249.7	15489.0	15963.2	15672.5	14673.2	13383.1	12081.8	11483.3	11359.1
12.5°	12683.1	14278.0	15601.9	16287.8	16098.7	14966.7	13527.1	11937.8	11246.2	11068.4
15°	12773.4	14289.3	15463.6	16172.1	16293.5	15319.6	13764.2	12042.3	11198.2	11009.1
17.5°	13343.6	14503.8	15266.0	15839.0	16265.3	15799.5	14438.9	12541.9	11627.3	11393.0
20°	14534.8	15017.6	15378.9	15822.1	16508.0	16779.0	15819.2	13913.8	12832.7	12626.6
22.5°	17984.4	17896.9	17157.3	17148.8	18142.4	19229.2	19164.3	16702.8	15076.8	14907.5
25°	19277.2	18870.7	17800.9	17541.2	17978.7	19655.5	19412.7	17273.0	15771.3	15359.1
27.5°	18771.9	17764.2	17061.3	17002.0	16858.1	18441.7	19026.0	17504.5	16014.0	15613.2
30°	18740.9	17258.9	16254.0	16372.5	16510.8	18023.9	19240.5	18230.0	16635.0	16206.0
32.5°	18817.1	17329.5	16313.2	16335.8	16748.0	18086.0	19477.7	19020.4	17450.9	17021.8
35°	19124.8	17730.3	16691.5	16637.9	17281.5	18492.5	19881.3	20262.4	18565.9	18077.5
37.5°	19621.6	18529.2	17383.1	17369.0	18303.4	19226.4	20383.8	21515.8	19675.3	19150.2
40°	20352.7	19463.5	18613.9	18537.6	19692.2	20420.5	21035.9	22851.0	20965.3	20290.6
42.5°	21236.3	20584.2	20237.0	20539.0	21648.4	21761.3	22052.1	24084.5	22063.4	21278.6
45°	22054.9	22023.9	22506.6	23308.3	23954.7	23277.2	23113.5	24911.6	22915.9	22063.4
47.5°	23028.8	23870.0	25326.6	26500.9	27178.4	25041.5	24019.6	25450.8	23536.9	22752.2
50°	24016.8	26080.3	28406.3	30043.6	30187.5	26958.2	24643.5	25958.9	24101.5	23285.7
52.5°	25055.6	27844.6	30941.2	32843.8	32564.4	28626.5	25247.6	26303.3	24683.0	23966.0
55°	25958.9	28925.7	32358.3	34184.7	33775.4	29642.7	25899.6	26675.9	25512.9	24908.8
57.5°	26464.2	29016.1	32005.5	33600.4	33157.2	29445.1	26198.9	26952.6	26043.6	25569.4
58°	26537.6	28894.7	31692.1	33261.6	32810.0	29278.6	26196.0	26941.3	26077.5	25600.4
60°	26472.7	28107.1	30526.3	31923.6	31449.4	28234.1	26088.8	26729.6	25648.4	25244.7
62.5°	25871.4	26740.8	28513.6	29529.8	29394.3	26602.5	25648.4	25930.7	24341.4	23951.9
65°	25081.0	24877.8	25936.3	26656.2	26757.8	25380.2	25210.9	24203.1	22664.7	22114.2
67.5°	24121.2	22766.3	22763.5	23172.8	23342.1	23500.2	24299.1	22325.9	20248.3	19666.8
70°	22492.5	19511.5	18613.9	19096.6	18955.4	20290.6	22670.3	19689.4	17335.1	16654.8
72.5°	19505.9	15483.3	14046.5	14667.5	14311.8	15912.4	19836.2	16203.2	14334.4	13498.9
75°	15810.8	11582.1	10100.2	10670.4	10450.2	12070.5	16505.2	11768.5	10280.8	9961.8
77.5°	12276.6	8392.3	7531.4	7452.3	7616.0	8982.3	12107.2	7946.3	6777.7	6560.3
80°	7887.0	6007.0	6057.8	5956.2	6040.9	5662.6	7350.7	5069.8	4590.0	4414.9
82.5°	5191.2	4186.3	4990.8	4606.9	4375.4	3808.0	4821.4	3319.7	2817.2	2721.2
85°	3537.0	3082.6	2805.9	2145.4	2526.4	2932.9	3616.1	1786.9	1417.1	1284.4
87.5°	1597.7	1072.7	787.6	485.5	767.8	886.4	1755.8	208.9	160.9	166.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)