

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: P456960

Luminaire Tested: **GLAN-SA8B-730-U-SLL**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456960
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8B-730-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36070 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 325
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



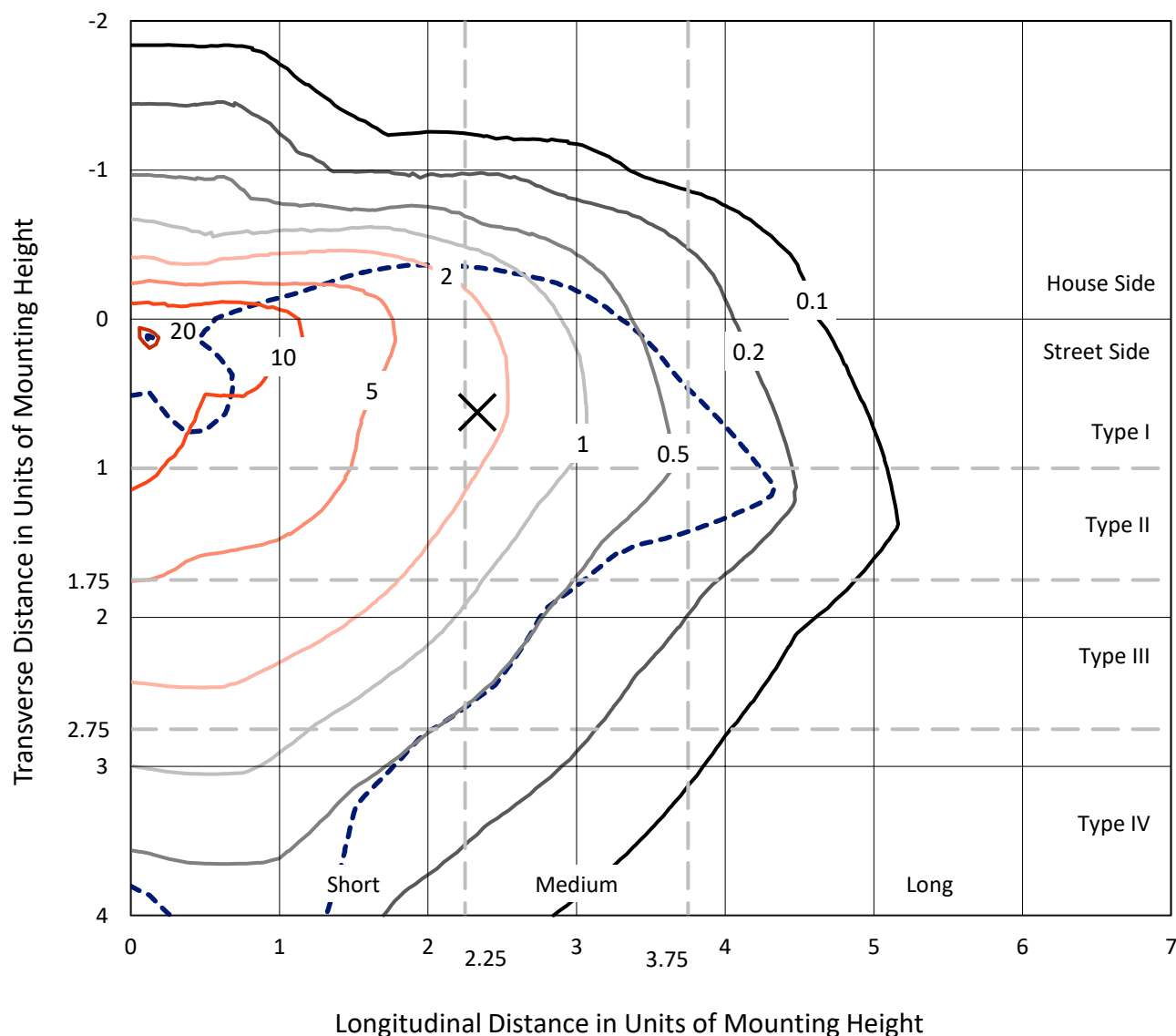
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

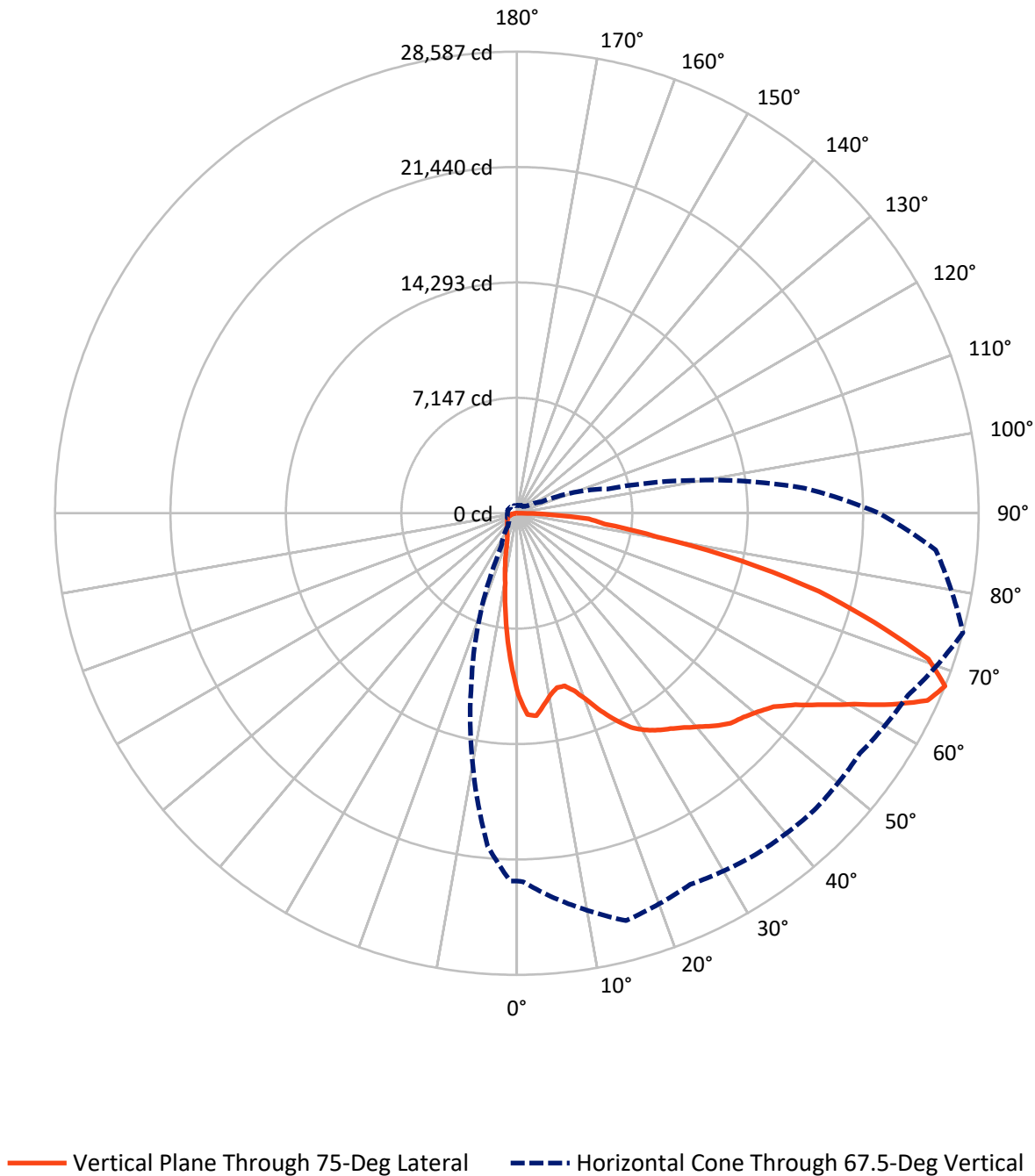
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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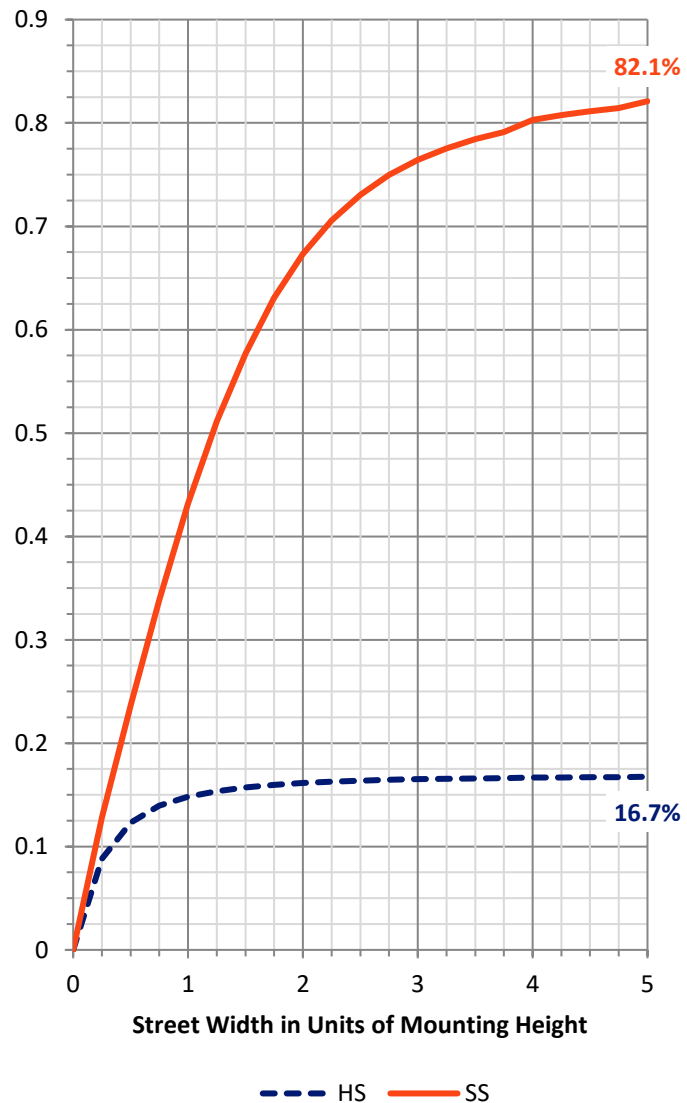
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6096.6	0.0	6096.6
	% Fixture	16.9	0.0	16.9
Street Side	Lumens	29973.4	0.0	29973.4
	% Fixture	83.1	0.0	83.1
Total	Lumens	36070.0	0.0	36070.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	854.7	2.4
10°-20°	1782.6	4.9
20°-30°	2565.1	7.1
30°-40°	3694.5	10.2
40°-50°	5189.8	14.4
50°-60°	7237.9	20.1
60°-70°	8605.4	23.9
70°-80°	5068.1	14.1
80°-90°	1071.7	3.0
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°	36070.0	100.0
0°-180°	36070.0	100.0

Coefficient of Utilization



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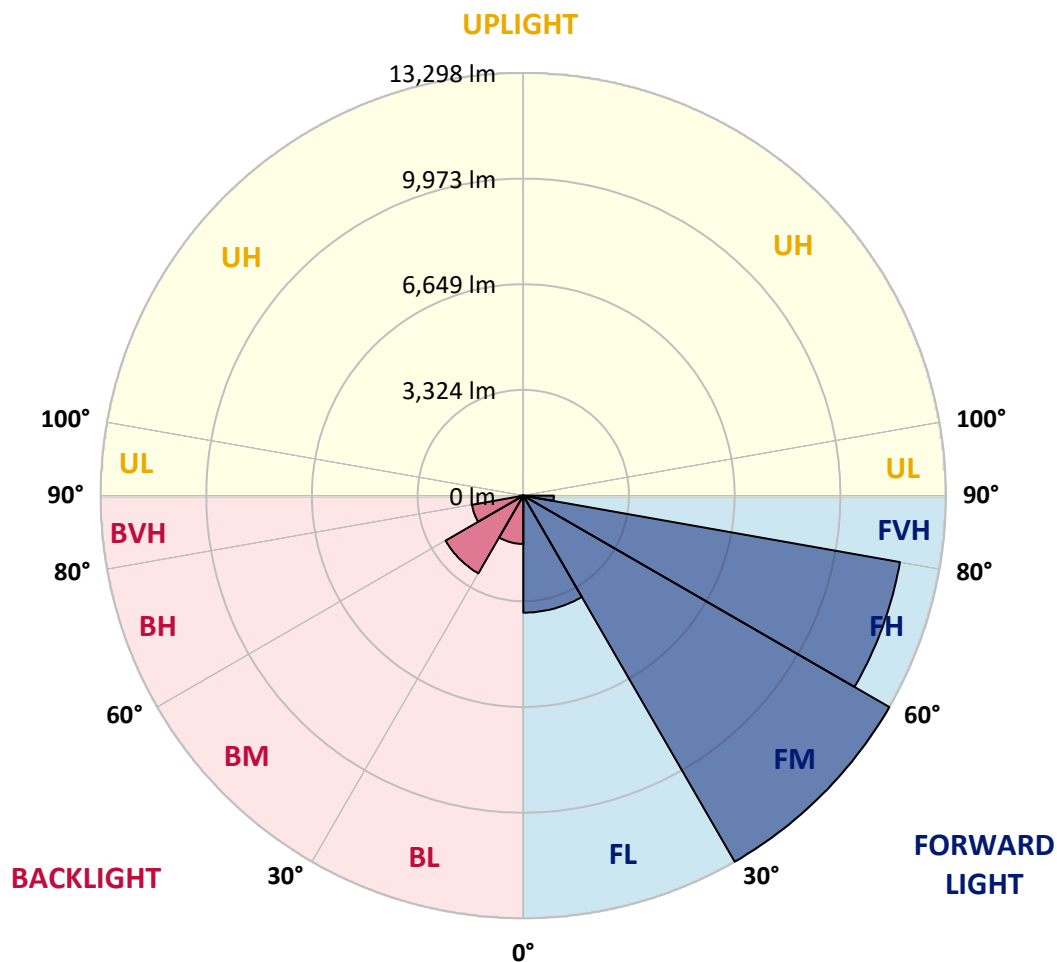
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3681.8	10.2			
FM	(30°-60°)	13297.7	36.9			
FH	(60°-80°)	12033.1	33.4			G5
FVH	(80°-90°)	960.9	2.7			G5
BL	(0°-30°)	1520.7	4.2	B3/2500		
BM	(30°-60°)	2824.6	7.8	B3/5000		
BH	(60°-80°)	1640.5	4.5	B3/2500		G3/2500
BVH	(80°-90°)	110.8	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1
2.5°	12150.4	12166.6	12270.7	12573.7	12781.8	12858.2	12911.4	12811.9	12714.8	12478.8	12122.6
5°	12113.4	12208.2	12478.8	13158.9	13695.5	13926.8	13996.2	13697.8	13205.1	12599.1	11870.5
7.5°	11405.6	11532.8	11949.2	13089.5	14035.5	14576.8	14505.1	13966.1	13077.9	11997.7	10980.0
10°	10566.0	10707.1	11209.0	12587.6	13806.5	14551.3	14551.3	13894.4	12714.8	11431.0	10258.3
12.5°	9899.8	10047.8	10621.5	12071.7	13330.0	14035.5	14153.5	13589.1	12453.4	11072.5	9784.2
15°	9680.1	9823.5	10441.1	11759.5	12825.8	13256.0	13295.3	13110.3	12326.2	11098.0	9763.3
17.5°	9953.0	10138.0	10762.6	11852.0	12363.2	12388.6	12418.7	12564.4	12340.1	11562.9	10184.3
20°	10741.7	10940.7	11592.9	12150.4	11958.4	11694.7	11710.9	12085.6	12504.3	12330.8	11190.5
22.5°	11879.8	12053.2	12721.7	12675.4	11787.2	11243.7	11130.3	11653.1	12747.2	13288.4	12261.4
25°	13108.0	13311.5	14079.5	13454.9	11835.8	10975.4	10903.7	11398.7	12999.3	14183.5	13498.9
27.5°	14514.3	14713.2	15319.3	14241.4	12090.3	10954.5	10869.0	11375.5	13226.0	15011.6	14680.9
30°	15559.8	15742.5	16154.3	14902.9	12402.5	11093.3	10986.9	11558.3	13420.2	15578.3	15832.7
32.5°	16380.9	16570.6	16795.0	15314.6	12814.2	11345.5	11148.8	11891.3	13674.7	16010.8	16686.3
35°	17236.8	17461.1	17444.9	15680.1	13198.2	11636.9	11444.9	12372.4	14074.8	16387.9	17768.8
37.5°	18321.6	18411.8	18296.1	16008.5	13658.5	12162.0	12055.6	13087.2	14643.8	16843.5	19034.0
40°	19422.6	19603.0	19008.5	16406.4	14218.2	13149.6	13138.1	14144.2	15319.3	17377.9	20259.9
42.5°	20366.3	20519.0	19674.7	16753.3	14896.0	14354.7	14442.6	15562.1	16205.1	17997.7	21245.3
45°	21076.4	21212.9	20290.0	17088.7	15788.8	15747.2	16265.3	17081.8	17322.3	18555.2	21823.5
47.5°	21680.1	21811.9	20717.9	17597.6	16892.1	17410.2	18312.3	18666.2	18277.6	18874.4	22471.2
50°	22189.0	22228.3	21011.6	18203.6	18261.4	19448.0	20322.4	20551.3	19221.3	19332.4	23033.2
52.5°	22718.7	22667.8	21518.2	18966.9	19741.8	21381.7	22017.8	22256.1	20125.7	19896.8	23852.0
55°	23905.2	23953.8	22653.9	19929.1	21238.3	23280.7	24118.0	23889.1	21127.3	20935.3	24892.9
57.5°	25339.3	25297.7	24252.2	21434.9	22762.6	25047.9	25672.4	25304.6	22464.2	22362.5	25947.7
60°	25896.8	25952.3	25589.1	23054.1	24266.1	26595.3	27233.7	26662.4	24067.2	24020.9	26743.3
62.5°	25337.0	25649.3	25894.5	24495.1	25547.5	27733.3	28367.1	27714.8	25739.5	26074.9	27300.8
65°	24222.1	24289.2	25124.2	25716.4	26165.1	27920.7	28251.4	27904.5	27136.6	27946.1	27275.3
67.5°	22774.2	22832.0	23810.4	26116.5	25369.4	25792.7	26024.0	25922.2	26704.0	28586.8	26019.4
70°	21395.6	21349.3	22383.3	25096.5	22084.9	21441.9	21633.8	21314.6	23042.5	27020.9	23556.0
72.5°	18712.5	18879.0	19989.3	22260.7	17486.6	16441.1	16859.7	16034.0	17722.5	23141.9	19119.6
75°	14657.7	14697.0	16549.8	18682.4	13191.3	11542.1	12108.8	11764.1	13575.2	19304.6	13202.8
77.5°	10149.6	10061.7	12053.2	14269.1	9407.1	8449.5	8458.8	8294.6	9478.8	14213.6	8970.0
80°	6446.4	6312.3	7545.1	8815.0	6464.9	6916.0	6689.3	6682.4	6171.2	8768.7	5424.1
82.5°	3483.4	3631.5	4767.2	5525.8	4637.6	5345.4	4899.0	4755.6	4235.2	5488.8	3469.6
85°	1586.7	1725.5	2542.0	3758.7	3522.8	3562.1	2380.1	2808.0	3504.3	4457.2	1852.7
87.5°	155.0	198.9	525.1	1774.1	1202.8	948.3	353.9	682.3	881.3	1584.4	148.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1
2.5°	11976.9	11856.6	11447.2	11109.5	10751.0	10478.1	10121.9	9883.6	9719.4	9471.9	9441.8
5°	11426.4	11132.7	10420.2	9693.9	9067.1	8595.2	8116.5	7677.0	7417.9	7337.0	7232.9
7.5°	10498.9	10003.9	9087.9	8255.2	7535.9	6832.7	6291.5	5907.5	5650.8	5500.4	5320.0
10°	9735.6	9161.9	8047.1	7027.0	6434.9	5997.7	5521.2	5109.5	4792.6	4522.0	4374.0
12.5°	9222.1	8574.4	7320.8	6492.7	6034.7	5569.8	5012.4	4549.7	4082.5	3774.9	3643.0
15°	9067.1	8382.5	7096.4	6226.7	5569.8	4961.5	4336.9	3733.2	3270.6	2979.2	2882.0
17.5°	9446.4	8618.4	7094.1	5872.8	5023.9	4297.6	3497.3	2930.6	2456.4	2239.0	2169.6
20°	10154.2	9071.7	7114.9	5523.5	4431.8	3409.4	2544.3	2079.4	1852.7	1760.2	1725.5
22.5°	11141.9	9763.3	7177.4	5178.9	3784.1	2618.4	1905.9	1670.0	1589.1	1572.9	1565.9
25°	12358.6	10619.2	7387.8	4868.9	3238.3	1998.5	1593.7	1487.3	1441.0	1424.8	1422.5
27.5°	13478.1	11724.8	7642.3	4602.9	2710.9	1723.2	1441.0	1350.8	1304.6	1302.2	1306.9
30°	14488.9	12650.0	7855.1	4304.6	2310.7	1531.2	1341.6	1251.4	1207.4	1205.1	1219.0
32.5°	15363.2	13411.0	8012.4	4010.8	2088.7	1413.3	1251.4	1154.2	1117.2	1110.3	1117.2
35°	16297.7	14169.7	7940.7	3781.8	1961.5	1316.1	1184.3	1089.4	1045.5	1024.7	1024.7
37.5°	17364.0	14951.5	7818.1	3592.1	1903.6	1235.2	1126.4	1033.9	990.0	969.2	966.8
40°	18527.4	15733.3	7649.2	3423.3	1845.8	1186.6	1087.1	990.0	936.8	916.0	911.3
42.5°	19554.4	16401.8	7510.4	3312.3	1751.0	1195.8	1052.4	957.6	890.5	862.8	860.5
45°	20447.3	17074.8	7485.0	3247.5	1672.3	1182.0	1043.2	932.2	853.5	823.4	818.8
47.5°	21145.8	17775.7	7630.7	3210.5	1586.7	1107.9	1103.3	916.0	821.1	788.7	784.1
50°	21997.0	18770.3	7963.8	3134.2	1508.1	1038.6	1165.8	913.7	795.7	754.1	742.5
52.5°	23130.4	20065.6	8414.8	2997.7	1394.8	973.8	1112.6	913.7	765.6	724.0	710.1
55°	24844.3	21717.1	8856.6	2805.7	1235.2	888.2	1003.9	885.9	721.7	684.7	675.4
57.5°	25980.0	22924.5	9138.8	2539.7	1036.2	825.8	865.1	841.9	677.7	638.4	638.4
60°	26037.9	23248.3	9004.7	2204.3	911.3	767.9	751.7	848.9	638.4	596.8	592.1
62.5°	25371.7	22455.0	8306.1	1903.6	844.3	705.5	680.0	744.8	599.1	557.4	550.5
65°	24330.8	20431.1	7094.1	1760.2	807.3	650.0	613.0	610.6	557.4	518.1	508.9
67.5°	22418.0	17854.3	5828.9	1677.0	788.7	587.5	552.8	541.3	508.9	476.5	471.9
70°	19598.4	14953.8	4674.6	1642.3	779.5	522.7	495.0	481.1	453.4	427.9	425.6
72.5°	15247.5	12129.6	3858.1	1619.1	774.9	462.6	432.5	414.0	397.8	374.7	374.7
75°	10952.2	8923.7	2944.5	1459.5	717.0	397.8	365.5	353.9	330.8	312.3	316.9
77.5°	6904.4	6009.3	1938.3	1073.2	555.1	319.2	291.4	284.5	266.0	240.6	256.7
80°	4663.1	4225.9	1131.1	675.4	349.3	233.6	224.4	222.1	201.2	173.5	175.8
82.5°	3173.5	3113.3	587.5	384.0	201.2	136.5	131.8	136.5	113.3	92.5	92.5
85°	1239.8	1693.1	277.6	150.3	64.8	20.8	30.1	32.4	18.5	9.3	11.6
87.5°	23.1	173.5	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1
2.5°	9395.6	9374.7	9409.4	9261.4	9291.5	9347.0	9374.7	9390.9	9619.9	9566.7	9712.4
5°	7330.0	7309.2	7443.4	7461.9	7531.3	7517.4	7584.5	7600.6	7683.9	7714.0	7917.5
7.5°	5331.6	5421.8	5574.4	5653.1	5771.0	5808.0	5773.3	5858.9	5685.4	5810.4	5847.4
10°	4283.7	4175.0	4110.3	4290.7	4313.8	4485.0	4415.6	4360.1	4461.9	4466.5	4563.6
12.5°	3566.7	3333.1	3178.1	3229.0	3284.5	3358.5	3370.1	3481.1	3555.1	3624.5	3682.4
15°	2796.5	2715.5	2574.4	2505.0	2583.7	2613.7	2685.4	2778.0	2856.6	2877.4	2956.1
17.5°	2146.5	2160.4	2137.2	2095.6	2144.2	2167.3	2171.9	2174.3	2195.1	2181.2	2296.8
20°	1727.8	1776.4	1834.2	1843.5	1859.7	1871.2	1850.4	1771.8	1774.1	1822.7	1859.7
22.5°	1563.6	1572.9	1637.6	1658.4	1709.3	1688.5	1628.4	1591.4	1586.7	1598.3	1616.8
25°	1434.1	1448.0	1494.2	1526.6	1565.9	1528.9	1485.0	1450.3	1445.6	1457.2	1475.7
27.5°	1318.4	1339.2	1380.9	1413.3	1450.3	1415.6	1373.9	1343.9	1341.6	1339.2	1350.8
30°	1225.9	1249.0	1279.1	1316.1	1341.6	1311.5	1272.2	1256.0	1253.7	1249.0	1253.7
32.5°	1133.4	1170.4	1200.5	1219.0	1244.4	1221.3	1191.2	1182.0	1165.8	1151.9	1145.0
35°	1029.3	1068.6	1114.9	1138.0	1163.5	1140.3	1119.5	1080.2	1052.4	1050.1	1054.7
37.5°	969.2	985.4	1022.4	1061.7	1087.1	1075.6	1036.2	996.9	990.0	990.0	994.6
40°	916.0	922.9	939.1	990.0	1036.2	1001.5	953.0	941.4	941.4	939.1	941.4
42.5°	862.8	869.7	869.7	909.0	983.0	927.5	890.5	890.5	890.5	892.8	899.8
45°	814.2	816.5	814.2	841.9	911.3	865.1	839.6	846.6	851.2	855.8	860.5
47.5°	772.6	774.9	772.6	795.7	830.4	811.9	798.0	807.3	816.5	823.4	828.1
50°	735.5	733.2	737.9	751.7	767.9	772.6	763.3	777.2	781.8	791.1	802.6
52.5°	703.2	700.9	705.5	712.4	735.5	735.5	735.5	747.1	756.4	765.6	781.8
55°	666.2	668.5	675.4	684.7	714.7	710.1	712.4	721.7	730.9	744.8	754.1
57.5°	631.5	636.1	645.3	659.2	689.3	687.0	689.3	693.9	705.5	712.4	721.7
60°	592.1	601.4	613.0	622.2	652.3	650.0	661.5	670.8	677.7	677.7	682.3
62.5°	552.8	566.7	578.3	585.2	617.6	619.9	636.1	643.0	647.7	643.0	650.0
65°	513.5	534.3	538.9	548.2	580.6	582.9	601.4	617.6	613.0	608.3	619.9
67.5°	474.2	499.6	497.3	508.9	541.3	545.9	562.1	589.8	580.6	575.9	585.2
70°	430.2	448.7	451.0	458.0	501.9	495.0	520.4	545.9	538.9	541.3	541.3
72.5°	381.7	397.8	397.8	411.7	458.0	446.4	467.2	495.0	495.0	492.7	492.7
75°	323.8	333.1	342.3	363.1	411.7	397.8	411.7	437.2	441.8	437.2	437.2
77.5°	261.4	275.3	279.9	307.6	342.3	340.0	353.9	365.5	374.7	370.1	370.1
80°	185.0	198.9	217.4	247.5	268.3	275.3	282.2	291.4	296.1	296.1	300.7
82.5°	104.1	124.9	141.1	171.2	180.4	215.1	212.8	219.7	212.8	187.4	208.2
85°	23.1	43.9	62.5	78.6	90.2	124.9	131.8	148.0	122.6	113.3	113.3
87.5°	0.0	0.0	0.0	0.0	0.0	18.5	37.0	50.9	43.9	37.0	37.0
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: P456960

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1	11269.1
2.5°	9835.0	10036.3	10279.1	10697.8	10991.6	11308.4	11627.6	11967.7	12057.9	12150.4
5°	7973.0	8368.6	8583.7	9145.8	9735.6	10485.0	11098.0	11768.7	12048.6	12113.4
7.5°	6039.3	6307.7	6872.0	7441.0	8172.0	8958.4	9897.5	10943.0	11269.1	11405.6
10°	4788.0	5153.4	5648.4	6259.1	6899.8	7746.4	8805.7	10027.0	10489.6	10566.0
12.5°	4075.6	4482.7	5021.6	5666.9	6273.0	6911.4	7980.0	9240.6	9735.6	9899.8
15°	3259.1	3751.7	4374.0	5054.0	5713.2	6411.7	7494.2	8916.8	9488.1	9680.1
17.5°	2560.5	2958.4	3631.5	4369.3	5151.1	6034.7	7392.5	9071.7	9774.9	9953.0
20°	1959.1	2243.6	2810.3	3589.8	4505.8	5662.3	7417.9	9656.9	10498.9	10741.7
22.5°	1693.1	1838.9	2183.5	2926.0	3950.7	5338.5	7522.0	10459.6	11475.0	11879.8
25°	1533.5	1609.9	1804.2	2289.9	3421.0	5023.9	7760.2	11539.7	12839.7	13108.0
27.5°	1397.1	1452.6	1572.9	1922.1	2939.9	4732.5	8037.8	12737.9	14114.2	14514.3
30°	1267.5	1341.6	1454.9	1707.0	2632.2	4466.5	8387.1	13709.4	15187.4	15559.8
32.5°	1168.1	1242.1	1346.2	1556.7	2370.9	4186.6	8595.2	14562.9	16064.0	16380.9
35°	1087.1	1149.6	1258.3	1436.4	2171.9	3973.8	8553.6	15240.6	16912.9	17236.8
37.5°	1029.3	1082.5	1191.2	1323.1	2021.6	3751.7	8532.8	16135.8	17946.9	18321.6
40°	976.1	1031.6	1131.1	1249.0	1871.2	3490.4	8544.4	17024.0	19047.9	19422.6
42.5°	934.5	996.9	1077.9	1228.2	1716.3	3279.9	8544.4	17796.5	20005.5	20366.3
45°	899.8	966.8	1045.5	1225.9	1593.7	3120.3	8486.5	18460.4	20768.8	21076.4
47.5°	869.7	943.7	1057.1	1184.3	1563.6	3004.6	8435.6	18992.4	21391.0	21680.1
50°	848.9	936.8	1124.1	1135.7	1572.9	2969.9	8680.8	19663.1	21939.2	22189.0
52.5°	832.7	939.1	1121.8	1064.0	1556.7	2993.1	9192.0	20710.9	22700.2	22718.7
55°	800.3	936.8	1064.0	983.0	1489.6	3032.4	9848.9	22232.9	23891.4	23905.2
57.5°	767.9	911.3	987.7	913.7	1353.1	3032.4	10640.0	23673.9	25327.8	25339.3
60°	735.5	948.3	867.4	853.5	1175.0	2976.9	11475.0	24307.7	25778.8	25896.8
62.5°	703.2	955.3	774.9	800.3	1045.5	2842.7	12097.2	23606.9	25168.2	25337.0
65°	666.2	770.2	714.7	744.8	978.4	2618.4	11900.6	22323.1	24020.9	24222.1
67.5°	622.2	652.3	650.0	687.0	955.3	2287.6	10864.3	20699.4	22785.7	22774.2
70°	569.0	585.2	592.1	631.5	911.3	2030.8	9053.2	18592.2	21136.5	21395.6
72.5°	513.5	527.4	534.3	569.0	867.4	1885.1	7027.0	15689.3	18307.7	18712.5
75°	453.4	462.6	471.9	501.9	821.1	1670.0	5005.4	11976.9	14021.6	14657.7
77.5°	390.9	390.9	402.5	432.5	691.6	1378.6	3358.5	8401.0	9499.6	10149.6
80°	316.9	319.2	314.6	347.0	508.9	943.7	1908.3	5611.4	6321.5	6446.4
82.5°	242.9	235.9	238.2	254.4	379.3	643.0	1017.7	3485.7	3552.8	3483.4
85°	152.7	152.7	148.0	166.5	242.9	335.4	555.1	2134.9	1667.7	1586.7
87.5°	62.5	50.9	57.8	67.1	115.7	136.5	217.4	439.5	168.9	155.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)