

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: P454642

Luminaire Tested: **GLAN-SA5D-730-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454642
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-SA5D-730-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 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: 30412 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 309
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



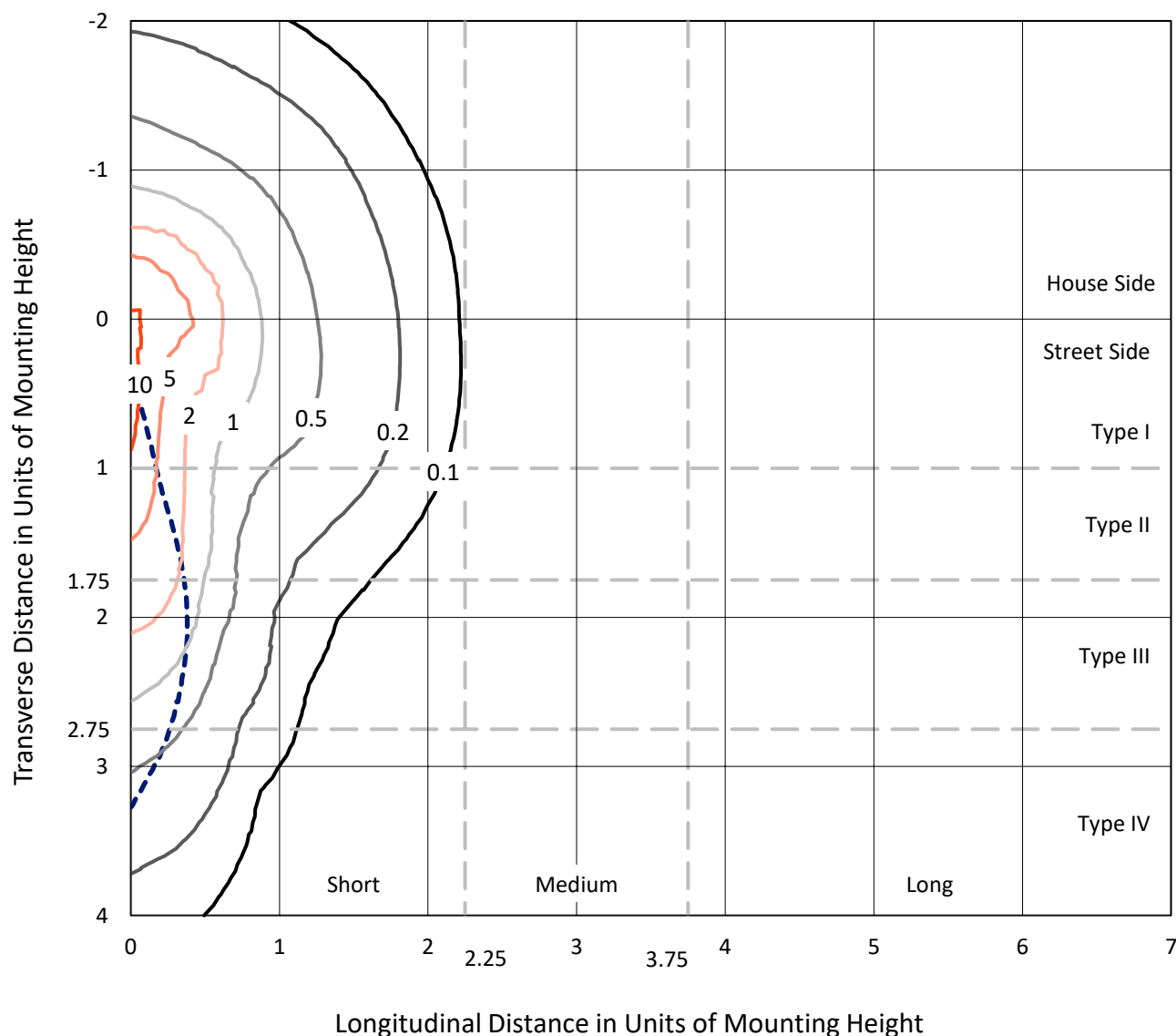
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



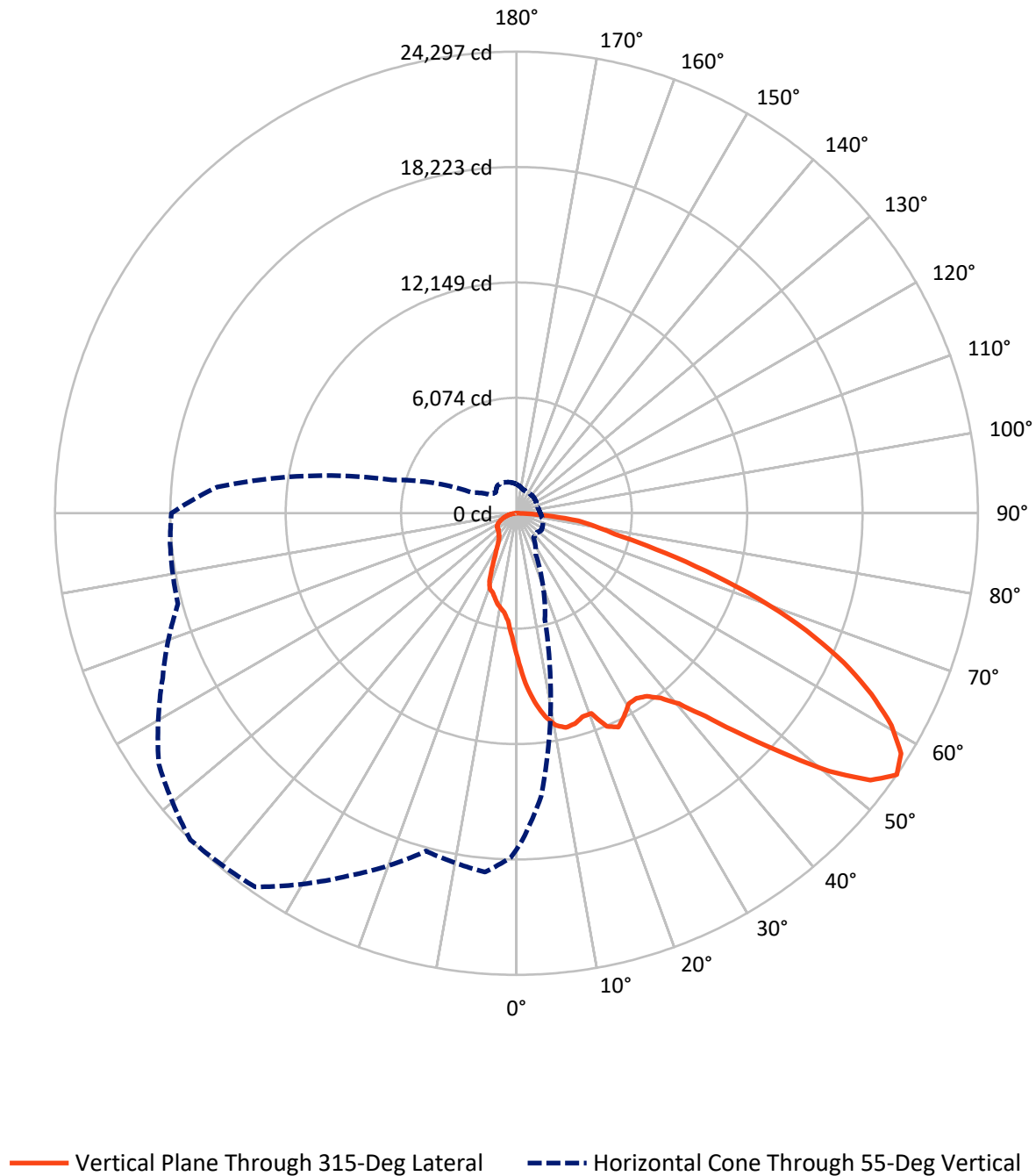
Based on 25 foot mounting height. Maximum calculated value = 13.1 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6652.5	0.0	6652.5
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	23759.5	0.0	23759.5
	% Fixture	78.1	0.0	78.1
Total	Lumens	30412.0	0.0	30412.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	646.9	2.1
10°-20°	1716.1	5.6
20°-30°	2964.7	9.7
30°-40°	3445.4	11.3
40°-50°	4807.0	15.8
50°-60°	6522.6	21.4
60°-70°	6205.5	20.4
70°-80°	3352.4	11.0
80°-90°	751.3	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°	30412.0	100.0
0°-180°	30412.0	100.0

Coefficient of Utilization



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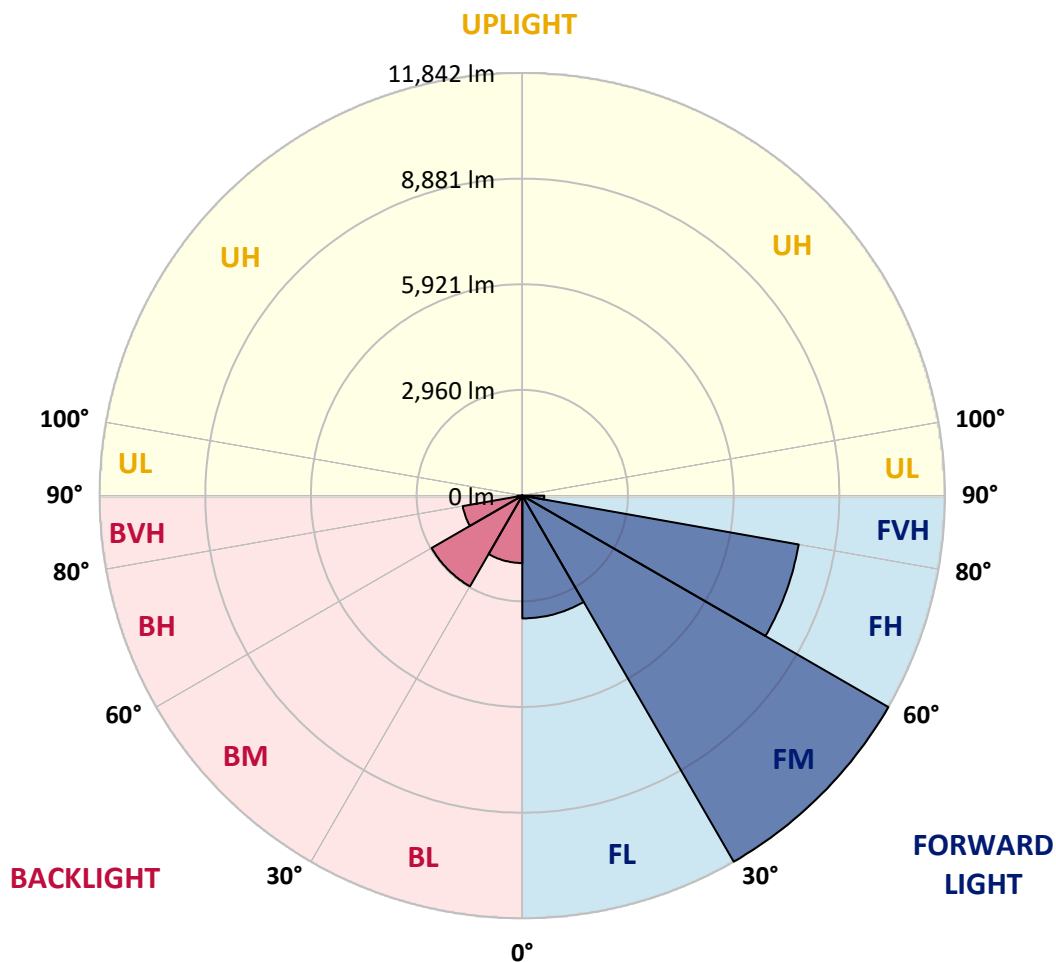
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3439.7	11.3			
FM	(30°-60°)	11841.8	38.9			
FH	(60°-80°)	7864.0	25.9			G4/12000
FVH	(80°-90°)	614.0	2.0			G4/750
BL	(0°-30°)	1888.0	6.2	B3/2500		
BM	(30°-60°)	2933.3	9.6	B3/5000		
BH	(60°-80°)	1693.9	5.6	B3/2500		G3/2500
BVH	(80°-90°)	137.3	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2
2.5°	8478.9	8446.8	8356.5	8119.8	7881.0	7638.2	7451.7	7218.9	6976.1	6845.7	6679.2
5°	8595.3	8559.2	8346.5	7812.8	7329.3	6821.7	6416.4	6061.2	5916.8	5704.1	5533.6
7.5°	8322.4	8306.4	7987.4	7220.9	6558.8	5894.7	5435.3	5150.3	4891.5	4795.2	4815.3
10°	8073.6	8009.4	7610.2	6609.0	5836.5	5296.8	4967.8	4688.9	4506.3	4458.1	4468.2
12.5°	7867.0	7780.7	7309.2	6197.7	5521.5	5090.2	4670.8	4379.9	4213.4	4259.5	4416.0
15°	7824.8	7708.5	7182.8	6057.2	5349.0	4793.2	4333.8	3998.7	3874.3	3974.6	4225.4
17.5°	8097.7	7951.2	7399.5	6103.4	5184.5	4490.3	3926.5	3543.2	3438.9	3599.4	3926.5
20°	8974.5	8757.8	8075.6	6370.2	5168.4	4339.8	3689.7	3304.5	3348.6	3653.6	3994.7
22.5°	10595.6	10270.6	9259.4	6759.5	5252.7	4301.7	3641.6	3440.9	3683.7	3942.5	4167.2
25°	10916.6	10661.8	9472.1	6847.7	5234.6	4275.6	3778.0	3878.3	4149.2	4277.6	4199.3
27.5°	11097.2	10806.3	9458.0	6410.3	4680.9	3878.3	3611.5	3778.0	3846.2	3721.8	3509.1
30°	11518.6	11215.6	9696.8	5950.9	3854.2	2877.1	2522.0	2453.8	2499.9	2524.0	2447.8
32.5°	12098.4	11799.5	10146.2	5649.9	3332.6	2379.6	2030.4	1934.1	1912.1	1886.0	1855.9
35°	12848.8	12389.3	10587.6	5457.3	3117.9	2201.0	1880.0	1805.7	1775.6	1739.5	1707.4
37.5°	13611.2	13129.7	11145.4	5254.7	2975.4	2076.6	1779.6	1745.5	1693.4	1655.3	1609.1
40°	14421.8	13882.1	11653.0	5078.1	2837.0	1996.3	1707.4	1703.4	1635.2	1591.0	1536.9
42.5°	15124.0	14568.2	12106.4	4969.8	2730.7	1912.1	1663.3	1675.3	1605.1	1538.9	1468.7
45°	15681.8	15136.0	12525.8	4969.8	2644.4	1827.8	1655.3	1647.2	1577.0	1494.7	1414.5
47.5°	16171.3	15607.5	12935.1	5096.2	2590.2	1757.6	1611.1	1625.2	1552.9	1448.6	1370.3
50°	16550.5	16053.0	13486.8	5292.8	2536.0	1701.4	1554.9	1631.2	1532.9	1424.5	1334.2
52.5°	17034.1	16588.7	14150.9	5561.7	2489.9	1639.2	1504.8	1631.2	1530.9	1426.5	1328.2
55°	17704.2	17234.7	14951.5	5784.4	2415.7	1581.0	1460.6	1585.0	1524.8	1416.5	1312.2
57.5°	18173.7	17822.6	15517.3	5932.8	2309.3	1506.8	1420.5	1540.9	1498.8	1378.4	1264.0
58°	18195.8	17852.7	15599.5	5966.9	2283.2	1492.7	1410.5	1520.8	1486.7	1362.3	1248.0
60°	17942.9	17648.0	15615.6	5918.8	2134.8	1422.5	1358.3	1438.6	1422.5	1268.0	1161.7
62.5°	17024.0	16709.0	14967.5	5527.5	1938.2	1336.2	1278.1	1328.2	1292.1	1135.6	1037.3
65°	15717.9	15138.0	13635.3	4913.6	1797.7	1243.9	1169.7	1173.7	1135.6	1023.2	937.0
67.5°	13978.4	13330.3	11544.6	4141.1	1691.4	1141.6	1041.3	1031.3	985.1	912.9	842.7
70°	11837.6	11394.2	9381.8	3368.7	1573.0	1029.3	896.8	890.8	862.7	808.6	746.4
72.5°	9594.5	9030.7	7576.0	2696.6	1428.5	920.9	762.4	774.5	738.3	700.2	644.0
75°	7080.5	6711.3	5856.6	2162.9	1233.9	802.5	636.0	640.0	624.0	583.9	539.7
77.5°	4662.8	4552.4	4189.3	1420.5	949.0	638.0	519.6	523.7	511.6	475.5	429.4
80°	3138.0	3063.7	2839.0	914.9	634.0	461.5	401.3	405.3	403.3	365.2	303.0
82.5°	1934.1	1902.0	1829.8	618.0	439.4	331.1	264.8	276.9	298.9	256.8	206.7
85°	912.9	914.9	1105.5	337.1	258.8	212.7	144.5	154.5	154.5	154.5	116.4
87.5°	118.4	124.4	152.5	142.5	94.3	80.3	52.2	44.1	38.1	50.2	36.1
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2
2.5°	6621.0	6580.9	6494.6	6474.5	6462.5	6496.6	6406.3	6430.4	6390.3	6502.6	6484.6
5°	5543.6	5547.6	5617.8	5664.0	5680.0	5664.0	5603.8	5499.5	5419.2	5387.1	5395.1
7.5°	4777.2	4847.4	4967.8	5102.2	5224.6	5260.7	5226.6	5028.0	4811.3	4674.8	4630.7
10°	4522.4	4616.7	4755.1	4861.4	4969.8	5056.0	5074.1	4919.6	4662.8	4339.8	4213.4
12.5°	4536.4	4664.8	4797.2	4831.3	4821.3	4855.4	4839.4	4813.3	4644.7	4233.4	4022.8
15°	4404.0	4556.5	4648.8	4630.7	4598.6	4568.5	4526.4	4460.2	4400.0	4111.0	3878.3
17.5°	4099.0	4255.5	4331.7	4337.8	4337.8	4329.7	4227.4	4203.3	4195.3	4054.9	3912.4
20°	4155.2	4241.5	4207.4	4151.2	4167.2	4221.4	4161.2	4149.2	4195.3	4257.5	4231.4
22.5°	4187.3	4157.2	3900.4	3651.6	3595.4	3763.9	3798.1	3932.5	4119.1	4343.8	4490.3
25°	3988.7	3745.9	3286.4	3005.5	2847.0	3003.5	3208.2	3457.0	3735.9	4024.8	4195.3
27.5°	3334.6	3150.0	2821.0	2568.2	2429.7	2453.8	2628.3	2855.1	3113.9	3308.5	3432.9
30°	2512.0	2429.7	2259.2	2172.9	2088.6	2068.6	2142.8	2229.1	2343.4	2367.5	2399.6
32.5°	1849.9	1837.8	1847.9	1819.8	1803.7	1801.7	1779.6	1799.7	1811.8	1825.8	1797.7
35°	1673.3	1657.3	1629.2	1621.1	1611.1	1615.1	1605.1	1595.1	1603.1	1615.1	1623.2
37.5°	1583.0	1558.9	1518.8	1504.8	1504.8	1510.8	1494.7	1490.7	1504.8	1542.9	1563.0
40°	1512.8	1484.7	1438.6	1420.5	1432.5	1448.6	1426.5	1418.5	1452.6	1492.7	1524.8
42.5°	1446.6	1424.5	1380.4	1360.3	1370.3	1400.4	1368.3	1362.3	1406.5	1450.6	1488.7
45°	1390.4	1368.3	1328.2	1318.2	1322.2	1350.3	1328.2	1328.2	1370.3	1418.5	1452.6
47.5°	1346.3	1318.2	1292.1	1284.1	1288.1	1304.1	1300.1	1300.1	1340.3	1390.4	1424.5
50°	1302.1	1278.1	1243.9	1248.0	1258.0	1280.1	1278.1	1284.1	1324.2	1386.4	1422.5
52.5°	1282.1	1246.0	1207.8	1211.8	1241.9	1268.0	1260.0	1266.0	1312.2	1428.5	1480.7
55°	1260.0	1211.8	1167.7	1173.7	1207.8	1246.0	1235.9	1243.9	1298.1	1456.6	1528.9
57.5°	1217.9	1161.7	1113.5	1117.5	1167.7	1207.8	1191.8	1201.8	1266.0	1426.5	1502.8
58°	1199.8	1151.7	1105.5	1107.5	1155.7	1199.8	1181.8	1189.8	1256.0	1418.5	1490.7
60°	1123.6	1095.5	1055.3	1057.4	1103.5	1141.6	1131.6	1139.6	1203.8	1360.3	1414.5
62.5°	1019.2	1003.2	993.2	993.2	1021.2	1057.4	1067.4	1077.4	1135.6	1229.9	1278.1
65°	906.9	906.9	908.9	908.9	926.9	973.1	979.1	1005.2	1059.4	1105.5	1141.6
67.5°	830.6	826.6	830.6	820.6	828.6	856.7	886.8	910.9	967.1	999.2	1011.2
70°	732.3	730.3	732.3	718.3	728.3	752.4	772.5	812.6	870.8	894.8	900.9
72.5°	636.0	636.0	640.0	630.0	630.0	656.1	670.1	714.3	768.4	782.5	784.5
75°	535.7	541.7	541.7	527.7	531.7	547.7	565.8	601.9	652.1	662.1	662.1
77.5°	425.4	447.4	447.4	433.4	439.4	441.4	465.5	483.5	521.7	525.7	509.6
80°	309.0	331.1	349.1	337.1	347.1	335.1	349.1	361.1	399.3	381.2	355.1
82.5°	220.7	236.8	250.8	252.8	242.8	220.7	238.8	240.8	258.8	234.7	220.7
85°	122.4	136.4	154.5	146.5	130.4	116.4	122.4	126.4	124.4	118.4	110.4
87.5°	32.1	34.1	38.1	28.1	26.1	22.1	30.1	30.1	34.1	36.1	34.1
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2
2.5°	6498.6	6586.9	6777.5	6922.0	7098.5	7313.2	7566.0	7820.8	8095.7	8182.0	8302.4
5°	5377.1	5597.8	5690.1	5952.9	6213.7	6605.0	7022.3	7505.8	8035.5	8290.3	8535.1
7.5°	4594.6	4713.0	4809.3	5001.9	5314.9	5790.4	6314.0	6918.0	7668.3	8039.5	8398.7
10°	4173.2	4185.3	4303.7	4542.4	4815.3	5234.6	5730.2	6406.3	7243.0	7694.4	8115.8
12.5°	3894.4	3842.2	3970.6	4219.4	4528.4	4915.6	5371.0	6015.1	6936.0	7399.5	7909.1
15°	3649.6	3567.3	3663.6	3918.4	4223.4	4678.9	5168.4	5850.6	6815.6	7355.3	7921.1
17.5°	3655.6	3428.9	3463.0	3677.7	3980.6	4444.1	5038.0	5844.6	6998.2	7620.2	8290.3
20°	4107.0	3743.9	3589.4	3629.5	3922.4	4428.1	5098.2	6125.4	7598.1	8505.0	9221.3
22.5°	4550.4	4331.7	4083.0	4000.7	4161.2	4690.9	5481.4	6789.5	8902.3	10268.6	11562.7
25°	4396.0	4582.5	4520.3	4404.0	4440.1	4879.5	5742.2	7335.3	9915.5	11454.4	12670.2
27.5°	3517.2	3856.2	3924.5	3922.4	3936.5	4297.6	5164.4	6968.1	10041.9	11681.1	12842.8
30°	2471.8	2501.9	2538.1	2608.3	2672.5	2995.5	4040.8	6117.4	9985.7	11783.4	12947.1
32.5°	1783.7	1823.8	1873.9	1970.3	2122.7	2534.0	3535.2	5846.6	10282.6	12206.7	13252.1
35°	1631.2	1677.3	1725.5	1835.8	1980.3	2361.5	3334.6	5734.2	10770.2	12892.9	13799.8
37.5°	1583.0	1635.2	1677.3	1757.6	1873.9	2237.1	3152.0	5658.0	11269.8	13619.2	14534.1
40°	1548.9	1609.1	1643.2	1707.4	1787.7	2122.7	2989.5	5597.8	11753.3	14283.3	15124.0
42.5°	1518.8	1581.0	1625.2	1671.3	1737.5	2020.4	2845.0	5537.6	12172.6	14927.4	15711.9
45°	1482.7	1561.0	1617.1	1653.2	1711.4	1934.1	2734.7	5489.4	12650.2	15499.2	16305.8
47.5°	1452.6	1538.9	1609.1	1651.2	1673.3	1873.9	2646.4	5555.6	13224.0	16097.1	16857.5
50°	1454.6	1536.9	1625.2	1691.4	1633.2	1823.8	2592.2	5818.5	13970.3	16807.3	17292.9
52.5°	1518.8	1619.1	1689.4	1705.4	1577.0	1763.6	2564.1	6277.9	14853.1	17435.3	17732.3
55°	1591.0	1695.4	1771.6	1761.6	1546.9	1687.4	2558.1	6767.5	15820.2	18167.7	18304.1
57.5°	1565.0	1717.5	1833.8	1781.7	1548.9	1613.1	2532.0	7162.7	16628.8	18715.4	18869.9
58°	1556.9	1709.4	1841.8	1777.6	1542.9	1591.0	2526.0	7196.8	16741.1	18753.5	18950.1
60°	1478.7	1639.2	1835.8	1747.5	1508.8	1530.9	2459.8	7307.2	16711.0	18556.9	18998.3
62.5°	1336.2	1468.7	1697.4	1601.1	1404.5	1450.6	2311.3	7170.8	15896.5	17609.9	18294.1
65°	1175.7	1274.0	1426.5	1408.5	1256.0	1368.3	2108.7	6631.0	14265.3	16073.0	16793.3
67.5°	1055.3	1135.6	1231.9	1205.8	1129.6	1258.0	1890.0	5718.1	12435.5	14227.2	15134.0
70°	933.0	995.2	1043.3	1025.3	1001.2	1149.6	1695.4	4640.7	10681.9	12473.6	13352.4
72.5°	808.6	866.8	906.9	880.8	866.8	1035.3	1536.9	3601.4	8436.8	10290.7	11420.2
75°	676.1	734.3	762.4	732.3	724.3	912.9	1302.1	2690.5	6330.1	7933.2	8908.3
77.5°	523.7	585.9	622.0	611.9	616.0	750.4	1051.3	1841.8	4526.4	5407.2	6434.4
80°	367.2	435.4	459.5	449.4	477.5	571.8	742.4	1169.7	3121.9	3509.1	4233.4
82.5°	226.7	290.9	294.9	305.0	325.0	423.3	559.8	712.3	1960.2	2026.4	2552.1
85°	114.4	138.4	148.5	164.5	182.6	258.8	319.0	441.4	1262.0	955.0	1426.5
87.5°	38.1	40.1	48.2	60.2	74.2	106.3	136.4	180.6	313.0	172.5	441.4
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: P454642

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2	7632.2
2.5°	8545.1	8715.7	8840.1	8954.4	8844.1	8834.0	8725.7	8551.1	8478.9	8478.9
5°	9048.7	9448.0	9771.0	9977.7	9889.4	9676.7	9325.6	8878.2	8637.4	8595.3
7.5°	9187.2	9975.7	10575.6	10788.2	10639.8	10170.3	9498.1	8743.8	8398.7	8322.4
10°	9102.9	10128.1	11008.9	11346.0	11139.4	10429.1	9512.2	8587.3	8161.9	8073.6
12.5°	9014.6	10148.2	11089.2	11576.7	11442.3	10637.8	9614.5	8484.9	7993.4	7867.0
15°	9078.8	10156.2	10990.9	11494.5	11580.8	10888.6	9783.1	8559.2	7959.3	7824.8
17.5°	9484.1	10308.7	10850.4	11257.7	11560.7	11229.6	10262.6	8914.3	8264.2	8097.7
20°	10330.8	10673.9	10930.7	11245.7	11733.2	11925.9	11243.7	9889.4	9120.9	8974.5
22.5°	12782.6	12720.4	12194.7	12188.7	12894.9	13667.4	13621.2	11871.7	10716.0	10595.6
25°	13701.5	13412.6	12652.2	12467.6	12778.6	13970.3	13797.8	12277.0	11209.6	10916.6
27.5°	13342.3	12626.1	12126.5	12084.4	11982.0	13107.6	13522.9	12441.5	11382.1	11097.2
30°	13320.3	12266.9	11552.7	11636.9	11735.2	12810.7	13675.4	12957.1	11823.5	11518.6
32.5°	13374.4	12317.1	11594.8	11610.9	11903.8	12854.8	13843.9	13518.9	12403.4	12098.4
35°	13593.1	12602.0	11863.7	11825.5	12283.0	13143.7	14130.9	14401.7	13195.9	12848.8
37.5°	13946.3	13169.8	12355.2	12345.2	13009.3	13665.4	14488.0	15292.5	13984.4	13611.2
40°	14465.9	13833.9	13230.0	13175.8	13996.4	14514.1	14951.5	16241.5	14901.3	14421.8
42.5°	15093.9	14630.4	14383.7	14598.3	15386.8	15467.1	15673.7	17118.3	15681.8	15124.0
45°	15675.8	15653.7	15996.8	16566.6	17026.0	16544.5	16428.1	17706.2	16287.7	15681.8
47.5°	16368.0	16965.8	18001.1	18835.8	19317.3	17798.5	17072.2	18089.4	16729.1	16171.3
50°	17070.2	18536.8	20190.1	21353.8	21456.1	19160.8	17515.6	18450.6	17130.4	16550.5
52.5°	17808.5	19790.8	21991.8	23344.1	23145.5	20346.6	17945.0	18695.3	17543.7	17034.1
55°	18450.6	20559.3	22999.0	24297.1	24006.2	21068.9	18408.4	18960.2	18133.6	17704.2
57.5°	18809.7	20623.5	22748.2	23881.8	23566.8	20928.4	18621.1	19156.8	18510.8	18173.7
58°	18861.9	20537.2	22525.5	23641.0	23320.0	20810.0	18619.1	19148.8	18534.8	18195.8
60°	18815.7	19977.4	21696.9	22690.0	22352.9	20067.7	18542.9	18998.3	18229.9	17942.9
62.5°	18388.4	19006.3	20266.3	20988.6	20892.3	18908.0	18229.9	18430.5	17300.9	17024.0
65°	17826.6	17682.1	18434.5	18946.1	19018.4	18039.3	17918.9	17202.6	16109.1	15717.9
67.5°	17144.4	16181.4	16179.4	16470.3	16590.7	16703.0	17270.8	15868.4	14391.7	13978.4
70°	15986.7	13868.0	13230.0	13573.1	13472.8	14421.8	16113.1	13994.4	12321.1	11837.6
72.5°	13864.0	11004.9	9983.7	10425.1	10172.3	11309.9	14098.7	11516.6	10188.3	9594.5
75°	11237.7	8232.1	7178.8	7584.1	7427.6	8579.2	11731.2	8364.5	7307.2	7080.5
77.5°	8725.7	5964.9	5353.0	5296.8	5413.2	6384.3	8605.3	5647.9	4817.3	4662.8
80°	5605.8	4269.6	4305.7	4233.4	4293.6	4024.8	5224.6	3603.4	3262.4	3138.0
82.5°	3689.7	2975.4	3547.3	3274.4	3109.9	2706.6	3426.9	2359.5	2002.4	1934.1
85°	2514.0	2191.0	1994.3	1524.8	1795.7	2084.6	2570.2	1270.0	1007.2	912.9
87.5°	1135.6	762.4	559.8	345.1	545.7	630.0	1248.0	148.5	114.4	118.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)