

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: P529824

Luminaire Tested: **GLAN-SA5A-730-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5A-730-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15533 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 154
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



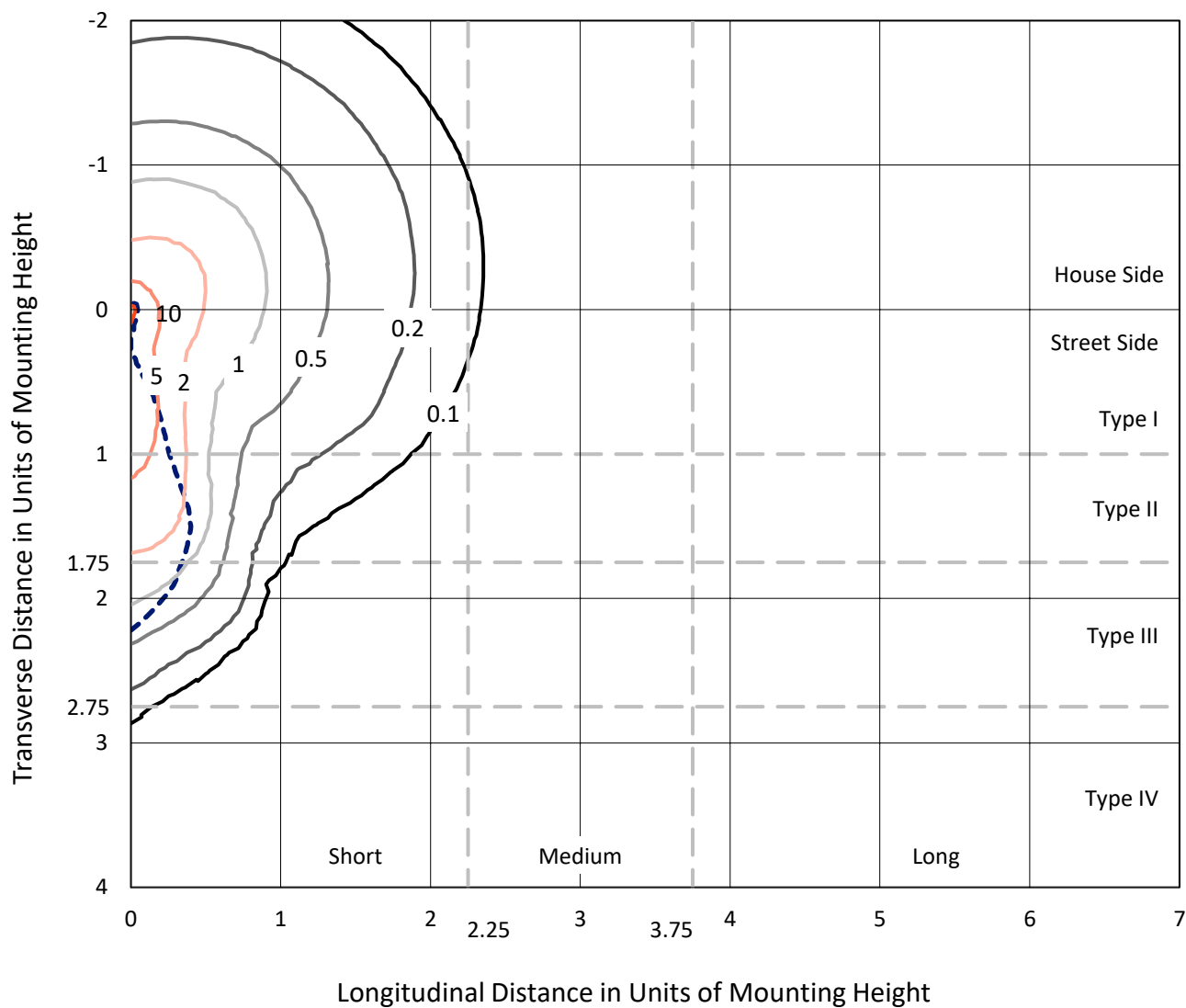
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



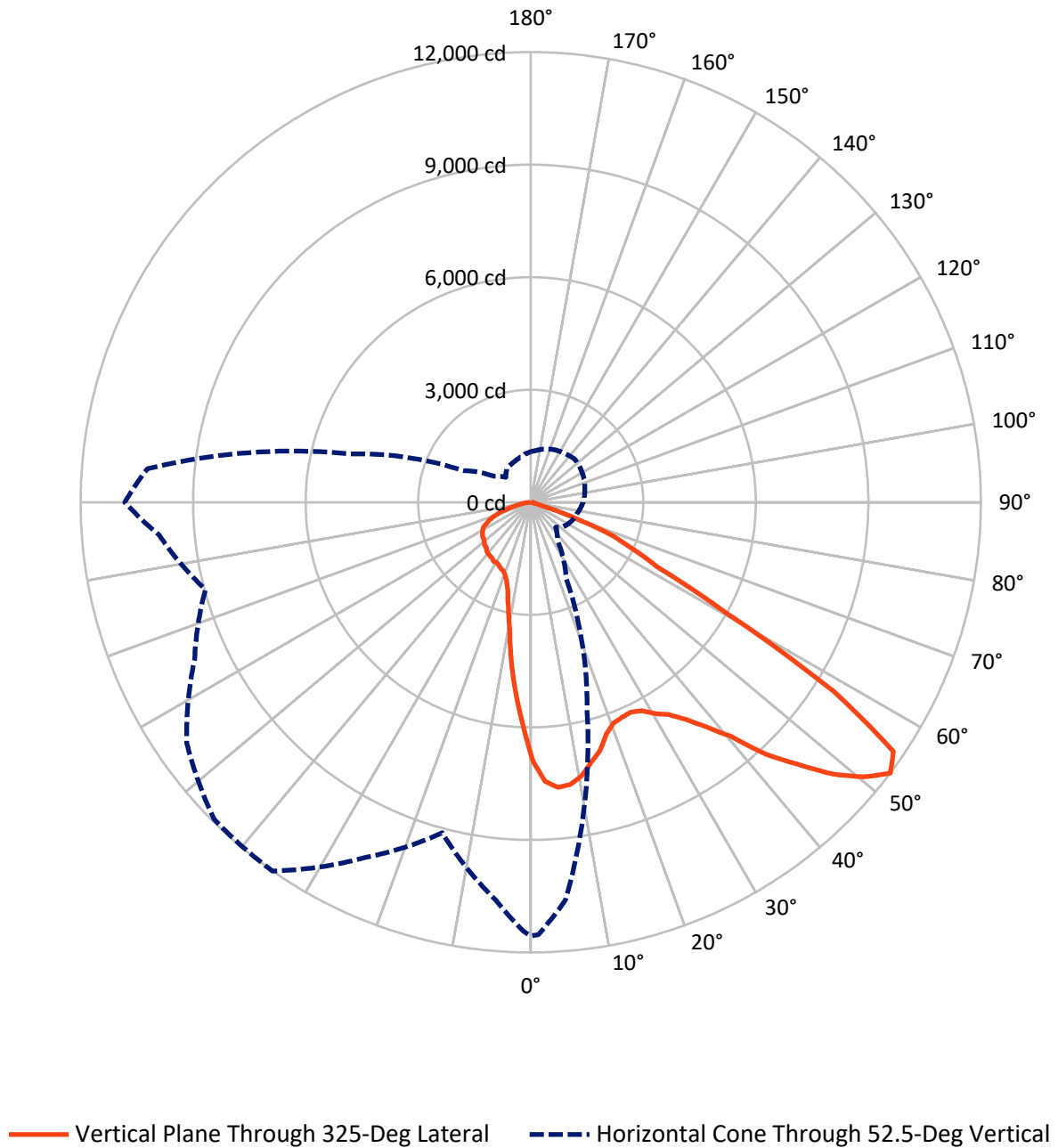
Based on 25 foot mounting height. Maximum calculated value = 11 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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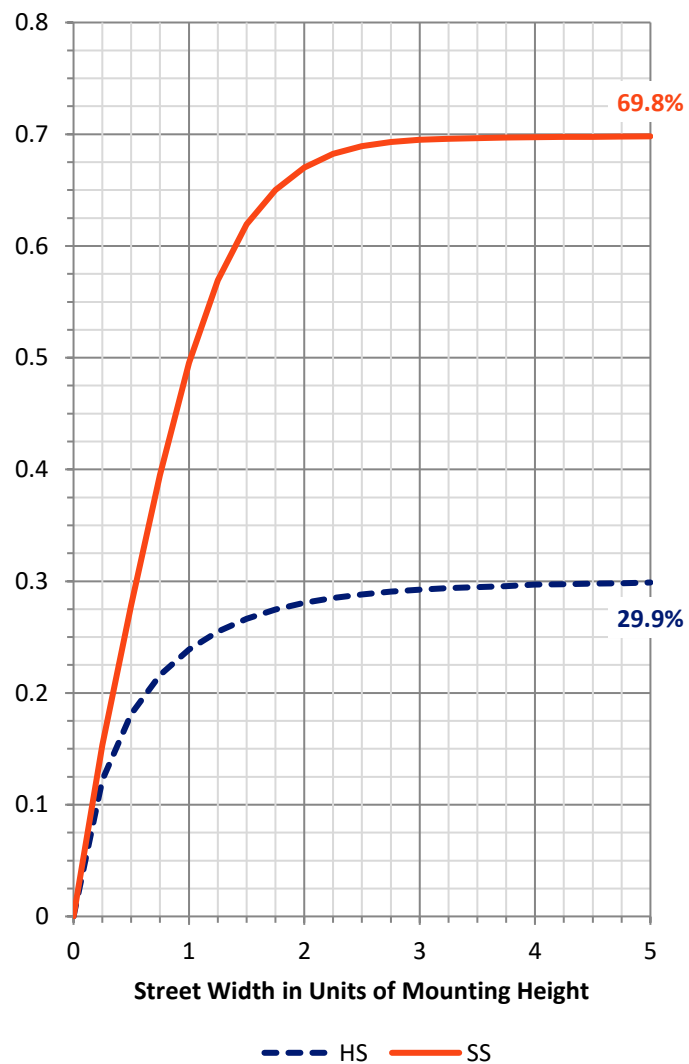
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4682.5	0.0	4682.5
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	10850.5	0.0	10850.5
	% Fixture	69.9	0.0	69.9
Total	Lumens	15533.0	0.0	15533.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	525.9	3.4
10°-20°	1140.1	7.3
20°-30°	1722.6	11.1
30°-40°	2489.3	16.0
40°-50°	3312.8	21.3
50°-60°	3705.4	23.9
60°-70°	2088.4	13.4
70°-80°	465.5	3.0
80°-90°	82.9	0.5
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°	15533.0	100.0
0°-180°	15533.0	100.0

Coefficient of Utilization



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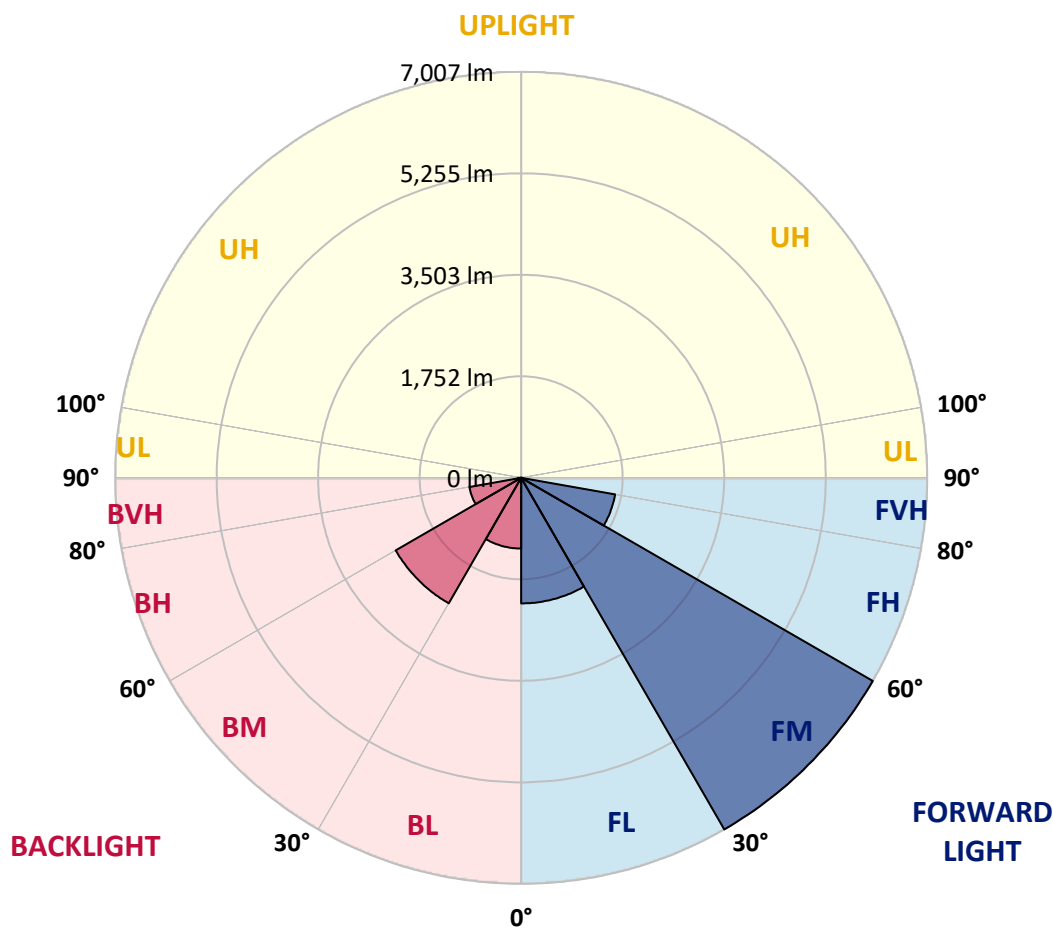
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2167.6	14.0			
FM	(30°-60°)	7006.6	45.1			
FH	(60°-80°)	1646.3	10.6			G1/1800
FVH	(80°-90°)	30.0	0.2			G1/100
BL	(0°-30°)	1221.1	7.9	B3/2500		
BM	(30°-60°)	2500.9	16.1	B3/5000		
BH	(60°-80°)	907.6	5.8	B2/1000		G2/1000
BVH	(80°-90°)	52.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6
2.5°	7008.5	7121.0	6999.5	6783.3	6630.2	6490.6	6344.3	6315.0	6123.7	6089.9	5950.3
5°	6610.0	6585.2	6436.6	6152.9	5840.0	5556.3	5347.0	5144.3	5007.0	4847.2	4835.9
7.5°	6125.9	5981.8	5896.3	5466.3	5079.1	4633.3	4441.9	4133.5	4036.7	3892.6	3818.3
10°	5693.7	5587.9	5387.5	4957.5	4417.2	4122.2	3917.4	3750.8	3638.2	3489.6	3302.7
12.5°	5479.8	5437.0	5211.9	4545.5	4144.7	3829.6	3685.5	3523.4	3332.0	3093.4	3001.1
15°	5518.1	5374.0	5202.9	4466.7	3912.9	3608.9	3379.3	3176.7	2931.3	2703.9	2571.0
17.5°	5804.0	5693.7	5351.5	4516.2	3825.0	3386.0	2969.5	2670.1	2449.5	2244.6	2152.3
20°	6366.8	6207.0	5822.0	4579.3	3635.9	3075.3	2598.1	2228.8	1992.4	1884.4	1852.9
22.5°	6990.4	6895.9	6281.3	4721.1	3485.1	2787.2	2204.1	1834.9	1747.0	1717.8	1776.3
25°	7749.2	7503.8	6995.0	4953.0	3368.0	2541.8	1870.9	1666.0	1621.0	1650.2	1717.8
27.5°	8325.5	8260.2	7494.8	5171.4	3208.2	2246.8	1684.0	1548.9	1562.4	1591.7	1654.7
30°	9009.9	8679.0	7978.8	5322.2	3064.1	2044.2	1553.4	1517.4	1530.9	1580.4	1612.0
32.5°	9421.9	9298.1	8282.7	5549.6	2897.5	1868.6	1452.1	1418.4	1438.6	1512.9	1587.2
35°	9946.5	9701.1	8658.7	5608.1	2780.4	1798.8	1380.1	1355.3	1402.6	1454.4	1537.7
37.5°	10558.8	10390.0	9178.8	5567.6	2717.4	1726.8	1319.3	1308.0	1341.8	1413.8	1510.7
40°	10921.3	10869.5	9451.2	5592.4	2618.3	1663.7	1249.5	1263.0	1332.8	1389.1	1483.6
42.5°	11270.3	10932.6	9854.2	5583.4	2555.3	1578.2	1256.3	1240.5	1294.5	1359.8	1449.9
45°	11346.8	11011.4	9948.7	5520.3	2478.7	1494.9	1204.5	1211.2	1276.5	1357.6	1416.1
47.5°	11297.3	11049.6	10124.3	5502.3	2406.7	1436.4	1127.9	1209.0	1247.2	1312.5	1395.8
50°	11263.5	11250.0	10272.9	5587.9	2309.9	1344.1	1035.6	1179.7	1218.0	1283.3	1373.3
52.5°	11560.7	11531.4	10644.4	5813.0	2233.3	1245.0	941.1	1105.4	1197.7	1260.8	1348.6
55°	11740.8	11612.5	11281.5	6089.9	2105.0	1114.4	875.8	1013.1	1148.2	1204.5	1294.5
57.5°	10561.1	10473.3	10205.4	5684.7	1888.9	943.3	794.7	918.6	1080.6	1168.5	1260.8
60°	8787.0	8649.7	7963.0	4831.4	1393.6	733.9	745.2	844.3	1062.6	1096.4	1204.5
62.5°	8285.0	7945.0	7010.7	3888.1	1069.4	630.4	668.7	776.7	968.1	1024.4	1132.4
65°	6573.9	6321.8	5016.0	2807.4	715.9	547.1	610.1	700.2	835.3	945.6	1044.6
67.5°	4115.5	3874.6	2676.9	1328.3	499.8	468.3	544.8	639.4	749.7	848.8	959.1
70°	2150.0	1886.6	1236.0	479.5	344.5	382.7	454.8	544.8	652.9	733.9	819.5
72.5°	801.5	650.6	403.0	207.1	238.6	292.7	369.2	434.5	511.1	610.1	657.4
75°	123.8	105.8	103.6	126.1	162.1	211.6	263.4	328.7	396.2	459.3	490.8
77.5°	58.5	56.3	63.0	83.3	108.1	150.8	191.4	254.4	308.4	349.0	367.0
80°	38.3	36.0	40.5	56.3	81.0	112.6	153.1	195.9	245.4	279.2	274.7
82.5°	22.5	24.8	24.8	38.3	56.3	81.0	110.3	148.6	182.4	211.6	193.6
85°	13.5	11.3	11.3	22.5	38.3	65.3	92.3	63.0	65.3	65.3	74.3
87.5°	4.5	4.5	4.5	2.3	4.5	4.5	6.8	11.3	13.5	15.8	20.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6
2.5°	5945.8	6015.6	5990.8	5903.0	5970.6	5981.8	5936.8	6092.2	6121.4	6074.1	6087.7
5°	4820.1	4838.2	4878.7	4964.2	5025.0	5097.1	5097.1	5101.6	5040.8	5193.9	5148.8
7.5°	3755.3	3766.5	3813.8	3996.2	4047.9	4185.3	4243.8	4203.3	4081.7	4029.9	4072.7
10°	3241.9	3176.7	3160.9	3183.4	3300.5	3359.0	3408.5	3395.0	3374.8	3334.3	3289.2
12.5°	2899.7	2852.5	2814.2	2760.2	2766.9	2823.2	2861.5	2829.9	2839.0	2848.0	2861.5
15°	2528.3	2494.5	2474.2	2393.2	2384.2	2422.5	2436.0	2454.0	2487.7	2490.0	2474.2
17.5°	2134.3	2105.0	2150.0	2195.1	2163.5	2165.8	2190.6	2206.3	2197.3	2156.8	2136.5
20°	1864.1	1895.6	1940.7	1983.4	2017.2	2037.5	2046.5	2021.7	1992.4	1909.1	1906.9
22.5°	1785.3	1825.8	1864.1	1929.4	1960.9	2012.7	1965.4	1909.1	1868.6	1828.1	1780.8
25°	1726.8	1760.6	1837.1	1861.9	1922.7	1965.4	1931.7	1875.4	1805.6	1747.0	1711.0
27.5°	1684.0	1722.3	1771.8	1839.4	1886.6	1911.4	1877.6	1855.1	1783.1	1713.3	1661.5
30°	1657.0	1697.5	1787.6	1843.9	1884.4	1904.6	1846.1	1819.1	1767.3	1708.8	1663.7
32.5°	1639.0	1675.0	1751.6	1823.6	1850.6	1850.6	1859.6	1828.1	1756.1	1657.0	1618.7
35°	1580.4	1630.0	1693.0	1776.3	1825.8	1855.1	1810.1	1774.1	1726.8	1625.5	1555.7
37.5°	1546.7	1580.4	1661.5	1740.3	1783.1	1814.6	1796.6	1733.5	1670.5	1587.2	1530.9
40°	1510.7	1564.7	1636.7	1711.0	1758.3	1789.8	1776.3	1702.0	1625.5	1546.7	1508.4
42.5°	1485.9	1521.9	1596.2	1679.5	1735.8	1796.6	1756.1	1663.7	1609.7	1501.7	1458.9
45°	1465.6	1524.2	1603.0	1636.7	1695.3	1758.3	1686.3	1630.0	1566.9	1488.1	1452.1
47.5°	1440.9	1494.9	1546.7	1636.7	1663.7	1693.0	1679.5	1589.5	1535.4	1449.9	1425.1
50°	1431.9	1452.1	1546.7	1596.2	1634.5	1663.7	1627.7	1560.2	1508.4	1420.6	1366.6
52.5°	1395.8	1434.1	1494.9	1560.2	1607.5	1643.5	1585.0	1542.2	1472.4	1380.1	1346.3
55°	1350.8	1373.3	1481.4	1548.9	1573.7	1598.5	1575.9	1506.2	1434.1	1339.6	1305.8
57.5°	1292.3	1344.1	1431.9	1526.4	1557.9	1571.4	1535.4	1479.1	1389.1	1305.8	1251.8
60°	1231.5	1285.5	1382.3	1458.9	1490.4	1539.9	1485.9	1452.1	1348.6	1256.3	1197.7
62.5°	1170.7	1231.5	1303.5	1400.3	1427.4	1447.6	1434.1	1386.8	1303.5	1200.0	1127.9
65°	1098.7	1143.7	1233.7	1283.3	1301.3	1348.6	1301.3	1283.3	1209.0	1109.9	1049.1
67.5°	990.6	1028.9	1107.7	1154.9	1168.5	1188.7	1186.5	1166.2	1082.9	1015.4	961.3
70°	866.8	900.5	950.1	1006.4	1013.1	1037.9	1015.4	1010.9	956.8	864.5	835.3
72.5°	695.7	727.2	792.5	817.2	819.5	828.5	817.2	801.5	788.0	691.2	661.9
75°	533.6	551.6	583.1	605.6	605.6	616.9	610.1	594.4	558.3	497.5	468.3
77.5°	371.5	389.5	430.0	443.5	441.3	445.8	425.5	409.7	355.7	324.2	299.4
80°	270.2	281.4	301.7	310.7	312.9	319.7	294.9	281.4	249.9	213.9	202.6
82.5°	195.9	202.6	204.9	216.1	216.1	204.9	198.1	184.6	162.1	139.6	130.6
85°	81.0	83.3	85.6	99.1	101.3	121.6	112.6	105.8	92.3	78.8	72.0
87.5°	20.3	22.5	29.3	24.8	29.3	29.3	31.5	36.0	36.0	29.3	29.3
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6
2.5°	6139.4	6157.4	6387.1	6416.4	6528.9	6643.7	6875.6	7042.2	7177.3	7265.1	7289.9
5°	5196.1	5310.9	5416.8	5587.9	5743.2	5963.8	6218.2	6533.4	6929.7	7132.3	7213.3
7.5°	4068.2	4203.3	4356.4	4523.0	4750.4	5146.6	5486.5	5851.3	6357.8	6567.2	6884.6
10°	3320.7	3471.6	3674.2	3802.5	4077.2	4455.4	4851.7	5272.7	5756.7	6058.4	6425.4
12.5°	2935.8	3059.6	3246.5	3516.6	3721.5	3966.9	4261.8	4793.1	5486.5	5772.5	6024.6
15°	2510.3	2647.6	2863.7	3163.2	3408.5	3701.2	4032.2	4610.8	5349.2	5790.5	6004.4
17.5°	2159.0	2258.1	2485.5	2744.4	3025.8	3345.5	3820.5	4601.8	5493.3	6058.4	6407.3
20°	1915.9	1929.4	2053.2	2273.9	2656.6	3073.1	3690.0	4556.7	5954.8	6519.9	6961.2
22.5°	1762.8	1749.3	1751.6	1938.4	2206.3	2805.2	3485.1	4709.8	6479.4	7253.9	7551.0
25°	1686.3	1650.2	1627.7	1668.3	1911.4	2487.7	3329.8	4912.5	7044.5	7859.5	8224.2
27.5°	1645.7	1582.7	1537.7	1544.4	1722.3	2327.9	3232.9	5000.3	7605.1	8703.7	8832.1
30°	1630.0	1551.2	1485.9	1463.4	1580.4	2105.0	3025.8	5151.1	8107.1	9167.5	9277.8
32.5°	1573.7	1476.9	1413.8	1393.6	1440.9	1909.1	2877.2	5259.2	8550.6	9671.8	9633.5
35°	1508.4	1427.4	1348.6	1310.3	1344.1	1783.1	2757.9	5207.4	9072.9	10063.5	10043.3
37.5°	1501.7	1395.8	1330.5	1267.5	1265.3	1627.7	2595.8	5256.9	9406.2	10766.0	10489.1
40°	1443.1	1375.6	1290.0	1238.2	1209.0	1548.9	2438.2	5139.8	9894.7	11049.6	10777.2
42.5°	1445.4	1344.1	1269.8	1209.0	1179.7	1434.1	2330.1	5108.3	10065.8	11511.2	10912.3
45°	1409.3	1310.3	1247.2	1175.2	1159.4	1346.3	2226.6	4962.0	10367.5	11533.7	10743.5
47.5°	1373.3	1285.5	1218.0	1132.4	1096.4	1314.8	2145.5	4840.4	10209.9	11322.1	10509.3
50°	1348.6	1247.2	1184.2	1123.4	1022.1	1260.8	2039.7	4811.1	9989.3	11036.1	10074.8
52.5°	1305.8	1215.7	1150.4	1103.2	941.1	1211.2	1999.2	4982.2	10259.4	10822.3	9948.7
55°	1265.3	1173.0	1089.7	997.3	873.5	1080.6	1886.6	5142.1	10653.4	11315.3	10520.6
57.5°	1222.5	1134.7	1044.6	934.3	808.2	945.6	1769.6	5171.4	9915.0	10457.5	9987.0
60°	1166.2	1053.6	986.1	842.0	738.4	783.5	1402.6	4559.0	7690.6	8733.0	8748.8
62.5°	1103.2	981.6	923.1	754.2	666.4	675.4	1143.7	3831.8	6238.5	7229.1	7659.1
65°	1019.9	902.8	833.0	697.9	614.6	585.4	837.5	2807.4	4739.1	5864.8	6353.3
67.5°	911.8	801.5	713.7	607.9	549.3	502.1	571.8	1580.4	2798.4	3937.6	4086.2
70°	797.0	702.4	610.1	522.3	457.0	423.3	418.8	700.2	1337.3	2118.5	2411.2
72.5°	628.1	560.6	486.3	421.0	378.2	328.7	299.4	290.4	452.5	862.3	1191.0
75°	450.3	394.0	351.2	308.4	276.9	249.9	227.4	207.1	189.1	216.1	297.2
77.5°	283.7	263.4	229.6	218.4	200.4	193.6	184.6	173.4	159.8	150.8	150.8
80°	191.4	177.9	166.6	164.3	157.6	155.3	157.6	146.3	132.8	121.6	126.1
82.5°	128.3	126.1	123.8	121.6	123.8	126.1	130.6	128.3	117.1	110.3	112.6
85°	76.5	81.0	85.6	90.1	99.1	87.8	72.0	60.8	54.0	49.5	47.3
87.5°	29.3	40.5	36.0	33.8	36.0	33.8	31.5	29.3	24.8	22.5	22.5
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6	6893.6
2.5°	7454.2	7499.3	7537.5	7528.5	7449.7	7343.9	7301.1	7082.8	7037.7	7008.5
5°	7555.5	7816.7	7873.0	7839.2	7634.3	7375.4	7123.3	6803.6	6616.7	6610.0
7.5°	7368.7	7690.6	7791.9	7868.5	7596.1	7145.8	6713.5	6234.0	6116.9	6125.9
10°	6893.6	7406.9	7656.8	7735.6	7422.7	7033.2	6434.4	5948.1	5698.2	5693.7
12.5°	6630.2	7033.2	7103.0	7213.3	7121.0	6727.0	6272.3	5727.4	5484.3	5479.8
15°	6396.1	6661.8	6682.0	6837.4	6886.9	6621.2	6315.0	5734.2	5538.3	5518.1
17.5°	6601.0	6416.4	6339.8	6360.1	6506.4	6603.2	6562.7	6116.9	5916.6	5804.0
20°	6738.3	6326.3	6094.4	6116.9	6290.3	6643.7	6931.9	6670.8	6353.3	6366.8
22.5°	7105.3	6339.8	5977.3	5952.6	6227.2	6855.4	7348.4	7370.9	7064.7	6990.4
25°	7654.6	6495.2	5941.3	5934.6	6198.0	7082.8	7834.7	8199.4	7886.5	7749.2
27.5°	8095.9	6738.3	6053.9	6076.4	6290.3	7267.4	8249.0	8733.0	8494.4	8325.5
30°	8483.1	6990.4	6211.5	6107.9	6537.9	7364.2	8426.8	9340.9	9149.5	9009.9
32.5°	8642.9	7348.4	6461.4	6290.3	6742.8	7481.2	8796.0	9930.7	9766.4	9421.9
35°	8913.1	7548.8	6596.5	6583.0	7100.8	7762.7	8969.4	10320.2	10252.7	9946.5
37.5°	9129.2	7751.4	7076.0	6927.4	7591.6	8235.4	9248.6	10858.3	10702.9	10558.8
40°	9295.8	8113.9	7524.0	7719.9	8194.9	8665.5	9505.2	10892.0	11340.1	10921.3
42.5°	9142.7	8438.1	8260.2	8728.5	9178.8	9156.2	9534.5	11153.2	11488.7	11270.3
45°	9104.5	8987.4	9424.2	9849.7	9953.2	9563.7	9325.1	10865.0	11443.6	11346.8
47.5°	9012.2	9527.7	10288.7	10982.1	10824.5	9836.2	9075.2	10813.2	11470.6	11297.3
50°	8980.6	9644.8	10928.1	11603.5	11508.9	10072.6	8958.1	10480.0	11279.3	11263.5
52.5°	8978.4	9885.7	11193.7	11941.2	11999.7	10446.3	9118.0	10648.9	11427.9	11560.7
55°	9079.7	9809.1	11160.0	11754.3	11731.8	10279.7	9136.0	10761.5	11610.2	11740.8
57.5°	8564.1	8787.0	9210.3	9680.8	9559.2	8514.6	8158.9	9948.7	10655.7	10561.1
60°	7395.7	6697.8	6220.5	6198.0	5961.6	5635.1	6677.5	8879.3	8879.3	8787.0
62.5°	6477.1	4396.9	3777.8	3602.2	3771.0	4147.0	6441.1	8636.2	8390.8	8285.0
65°	5664.4	3356.8	2730.9	2681.4	2974.0	3541.4	5824.2	7357.4	6925.2	6573.9
67.5°	3644.9	2458.5	2030.7	1942.9	2296.4	2600.3	3876.8	4525.2	4252.8	4115.5
70°	2350.4	1600.7	1130.2	1060.4	1197.7	1603.0	2476.5	2638.6	2242.3	2150.0
72.5°	1112.2	691.2	396.2	326.4	367.0	612.4	979.3	1053.6	875.8	801.5
75°	353.5	254.4	162.1	139.6	132.8	157.6	225.1	173.4	126.1	123.8
77.5°	157.6	150.8	128.3	108.1	94.6	78.8	65.3	54.0	56.3	58.5
80°	130.6	119.3	105.8	94.6	78.8	60.8	47.3	36.0	36.0	38.3
82.5°	114.8	103.6	92.3	78.8	67.5	49.5	36.0	24.8	22.5	22.5
85°	49.5	58.5	63.0	67.5	54.0	40.5	24.8	15.8	13.5	13.5
87.5°	20.3	18.0	15.8	13.5	11.3	11.3	9.0	6.8	4.5	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)