

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: P530058

Luminaire Tested: **GLAN-SA5B-730-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530058
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-SA5B-730-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 800mA 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: 19328 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 204
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



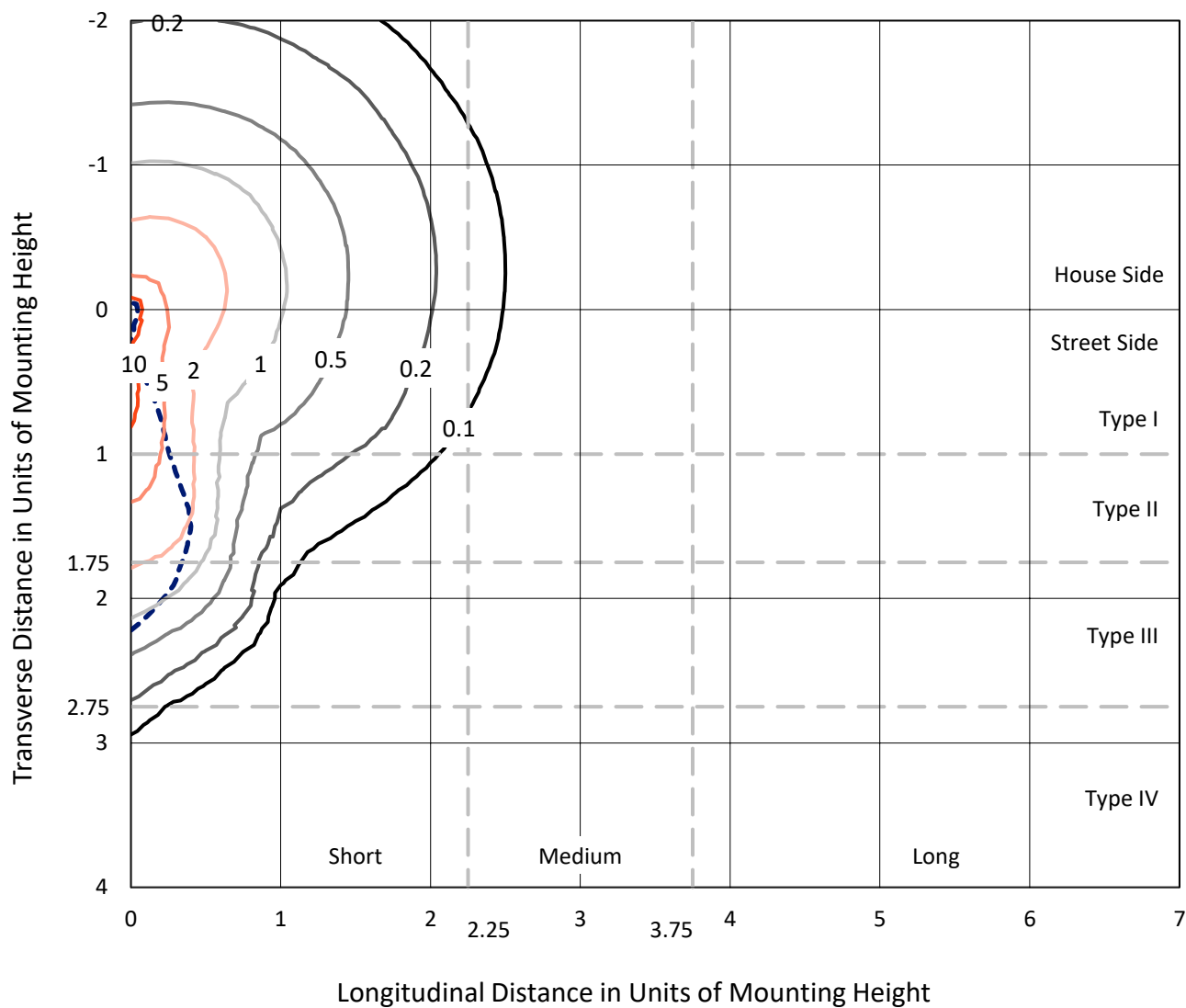
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

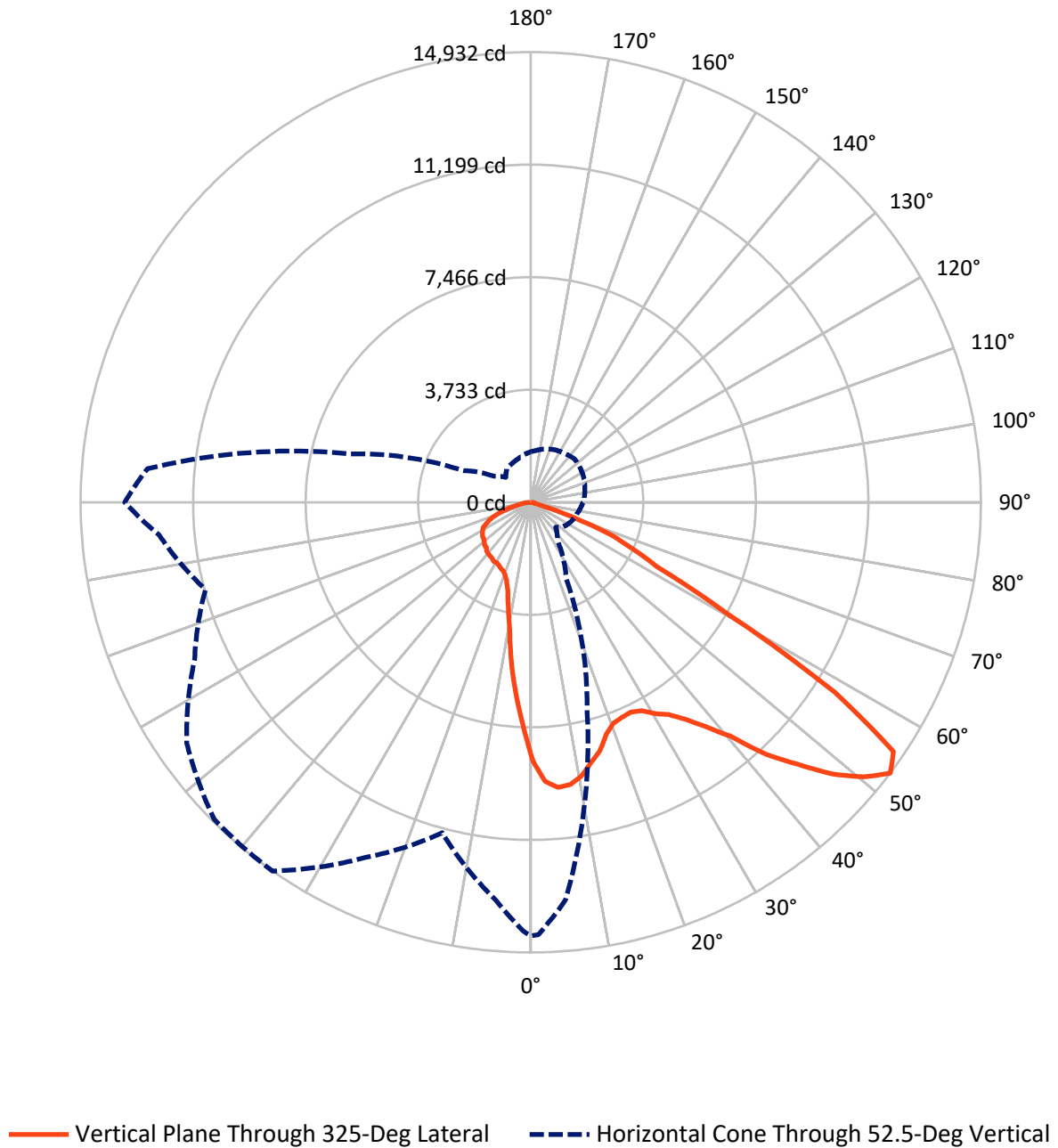
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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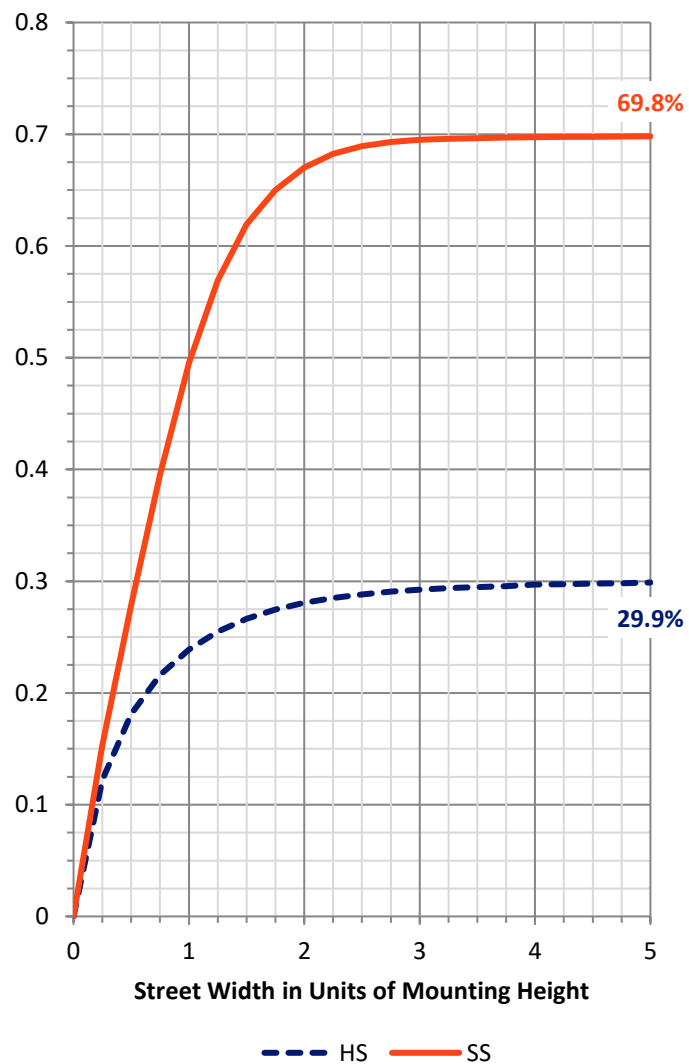
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5826.6	0.0	5826.6
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	13501.4	0.0	13501.4
	% Fixture	69.9	0.0	69.9
Total	Lumens	19328.0	0.0	19328.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	654.4	3.4
10°-20°	1418.7	7.3
20°-30°	2143.5	11.1
30°-40°	3097.5	16.0
40°-50°	4122.2	21.3
50°-60°	4610.8	23.9
60°-70°	2598.6	13.4
70°-80°	579.3	3.0
80°-90°	103.1	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°	19328.0	100.0
0°-180°	19328.0	100.0

Coefficient of Utilization



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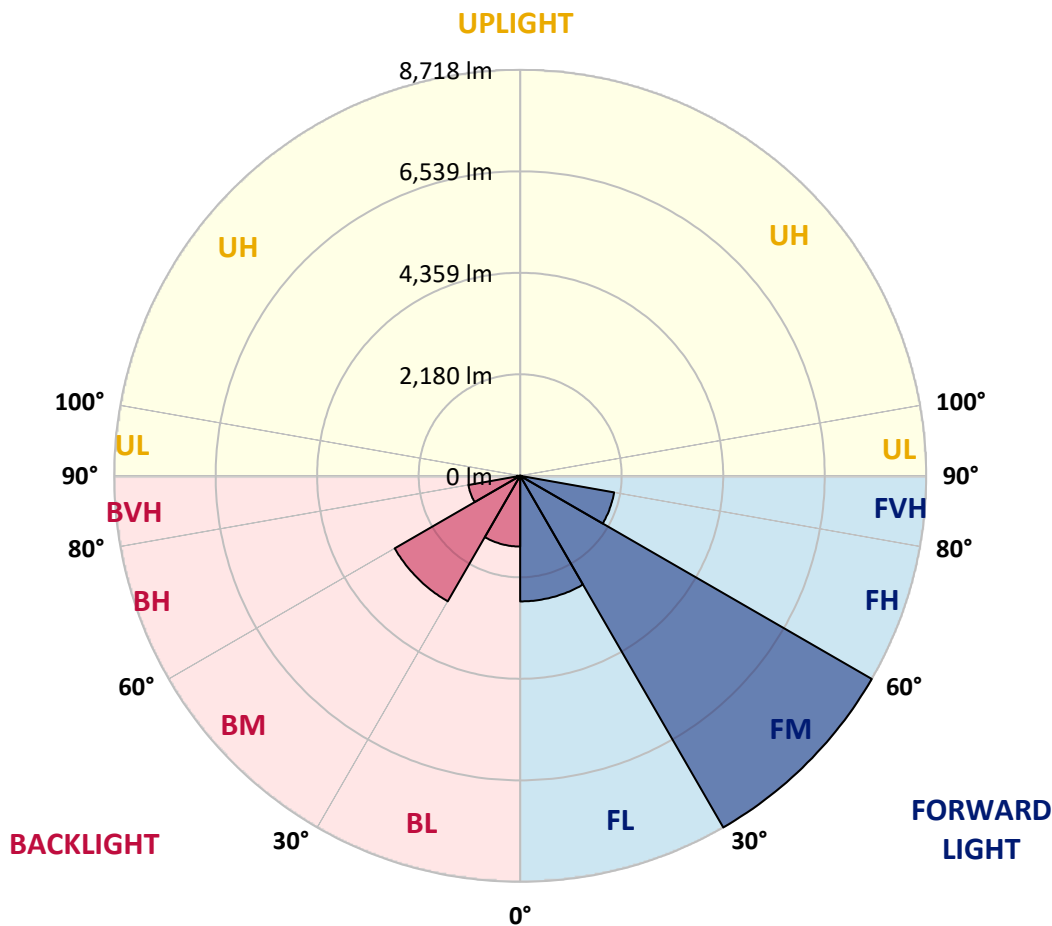
CATALOG NUMBER: GLAN-SA5B-730-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2697.2	14.0			
FM	(30°-60°)	8718.4	45.1			
FH	(60°-80°)	2048.5	10.6			G2/5000
FVH	(80°-90°)	37.3	0.2			G1/100
BL	(0°-30°)	1519.4	7.9	B3/2500		
BM	(30°-60°)	3112.0	16.1	B3/5000		
BH	(60°-80°)	1129.4	5.8	B3/2500		G3/2500
BVH	(80°-90°)	65.8	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9
2.5°	8720.8	8860.8	8709.6	8440.6	8250.1	8076.4	7894.3	7857.9	7619.8	7577.8	7404.1
5°	8224.9	8194.1	8009.2	7656.2	7266.8	6913.9	6653.3	6401.2	6230.3	6031.4	6017.4
7.5°	7622.6	7443.3	7336.9	6801.8	6320.0	5765.3	5527.2	5143.4	5022.9	4843.6	4751.2
10°	7084.7	6953.1	6703.7	6168.7	5496.3	5129.4	4874.4	4667.1	4527.1	4342.2	4109.7
12.5°	6818.6	6765.4	6485.2	5656.0	5157.4	4765.2	4585.9	4384.2	4146.1	3849.1	3734.3
15°	6866.2	6686.9	6474.0	5558.0	4868.8	4490.6	4204.9	3952.8	3647.4	3364.5	3199.2
17.5°	7222.0	7084.7	6658.9	5619.6	4759.6	4213.3	3695.0	3322.5	3047.9	2793.0	2678.1
20°	7922.4	7723.5	7244.4	5698.0	4524.3	3826.7	3232.8	2773.4	2479.2	2344.8	2305.6
22.5°	8698.3	8580.7	7815.9	5874.5	4336.6	3468.1	2742.6	2283.1	2173.9	2137.5	2210.3
25°	9642.4	9337.1	8703.9	6163.1	4190.9	3162.8	2328.0	2073.0	2017.0	2053.4	2137.5
27.5°	10359.6	10278.3	9325.9	6434.8	3992.0	2795.8	2095.4	1927.4	1944.2	1980.6	2059.0
30°	11211.2	10799.4	9928.2	6622.5	3812.7	2543.7	1933.0	1888.1	1905.0	1966.6	2005.8
32.5°	11723.9	11569.8	10306.3	6905.4	3605.4	2325.2	1806.9	1764.9	1790.1	1882.5	1975.0
35°	12376.6	12071.2	10774.2	6978.3	3459.7	2238.3	1717.3	1686.4	1745.3	1809.7	1913.4
37.5°	13138.6	12928.5	11421.3	6927.9	3381.3	2148.7	1641.6	1627.6	1669.6	1759.3	1879.7
40°	13589.6	13525.2	11760.3	6958.7	3258.0	2070.2	1554.8	1571.6	1658.4	1728.5	1846.1
42.5°	14023.8	13603.6	12261.7	6947.5	3179.6	1963.8	1563.2	1543.6	1610.8	1692.0	1804.1
45°	14119.1	13701.6	12379.4	6869.0	3084.3	1860.1	1498.7	1507.2	1588.4	1689.2	1762.1
47.5°	14057.4	13749.3	12597.9	6846.6	2994.7	1787.3	1403.5	1504.4	1552.0	1633.2	1736.9
50°	14015.4	13998.6	12782.8	6953.1	2874.2	1672.4	1288.6	1467.9	1515.6	1596.8	1708.9
52.5°	14385.2	14348.8	13245.0	7233.2	2779.0	1549.2	1171.0	1375.5	1490.3	1568.8	1678.0
55°	14609.3	14449.6	14037.8	7577.8	2619.3	1386.7	1089.7	1260.6	1428.7	1498.7	1610.8
57.5°	13141.4	13032.1	12698.7	7073.5	2350.4	1173.8	988.9	1143.0	1344.7	1453.9	1568.8
60°	10933.9	10763.0	9908.5	6011.8	1734.1	913.3	927.3	1050.5	1322.3	1364.3	1498.7
62.5°	10309.2	9886.1	8723.6	4838.0	1330.7	784.4	832.0	966.5	1204.6	1274.6	1409.1
65°	8180.1	7866.3	6241.5	3493.3	890.8	680.7	759.2	871.2	1039.3	1176.6	1299.8
67.5°	5121.0	4821.2	3330.9	1652.8	621.9	582.7	677.9	795.6	932.9	1056.1	1193.4
70°	2675.3	2347.6	1538.0	596.7	428.6	476.2	565.9	677.9	812.4	913.3	1019.7
72.5°	997.3	809.6	501.5	257.7	296.9	364.2	459.4	540.7	635.9	759.2	818.0
75°	154.1	131.7	128.9	156.9	201.7	263.3	327.8	409.0	493.0	571.5	610.7
77.5°	72.8	70.0	78.4	103.7	134.5	187.7	238.1	316.6	383.8	434.2	456.6
80°	47.6	44.8	50.4	70.0	100.9	140.1	190.5	243.7	305.4	347.4	341.8
82.5°	28.0	30.8	30.8	47.6	70.0	100.9	137.3	184.9	226.9	263.3	240.9
85°	16.8	14.0	14.0	28.0	47.6	81.2	114.9	78.4	81.2	81.2	92.4
87.5°	5.6	5.6	5.6	2.8	5.6	5.6	8.4	14.0	16.8	19.6	25.2
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°	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9
2.5°	7398.5	7485.3	7454.5	7345.3	7429.3	7443.3	7387.3	7580.6	7617.0	7558.2	7575.0
5°	5997.8	6020.2	6070.6	6177.1	6252.7	6342.4	6342.4	6348.0	6272.3	6462.8	6406.8
7.5°	4672.7	4686.7	4745.6	4972.5	5036.9	5207.8	5280.6	5230.2	5078.9	5014.5	5067.7
10°	4034.0	3952.8	3933.2	3961.2	4106.9	4179.7	4241.3	4224.5	4199.3	4148.9	4092.8
12.5°	3608.2	3549.4	3501.7	3434.5	3442.9	3513.0	3560.6	3521.4	3532.6	3543.8	3560.6
15°	3146.0	3104.0	3078.7	2977.9	2966.7	3014.3	3031.1	3053.5	3095.5	3098.3	3078.7
17.5°	2655.7	2619.3	2675.3	2731.4	2692.1	2694.9	2725.8	2745.4	2734.2	2683.7	2658.5
20°	2319.6	2358.8	2414.8	2468.0	2510.1	2535.3	2546.5	2515.7	2479.2	2375.6	2372.8
22.5°	2221.5	2271.9	2319.6	2400.8	2440.0	2504.5	2445.6	2375.6	2325.2	2274.7	2215.9
25°	2148.7	2190.7	2285.9	2316.8	2392.4	2445.6	2403.6	2333.6	2246.7	2173.9	2129.1
27.5°	2095.4	2143.1	2204.7	2288.7	2347.6	2378.4	2336.4	2308.4	2218.7	2131.9	2067.4
30°	2061.8	2112.3	2224.3	2294.3	2344.8	2370.0	2297.1	2263.5	2199.1	2126.3	2070.2
32.5°	2039.4	2084.2	2179.5	2269.1	2302.8	2302.8	2314.0	2274.7	2185.1	2061.8	2014.2
35°	1966.6	2028.2	2106.7	2210.3	2271.9	2308.4	2252.3	2207.5	2148.7	2022.6	1935.8
37.5°	1924.6	1966.6	2067.4	2165.5	2218.7	2257.9	2235.5	2157.1	2078.6	1975.0	1905.0
40°	1879.7	1947.0	2036.6	2129.1	2187.9	2227.1	2210.3	2117.9	2022.6	1924.6	1876.9
42.5°	1848.9	1893.7	1986.2	2089.8	2159.9	2235.5	2185.1	2070.2	2003.0	1868.5	1815.3
45°	1823.7	1896.5	1994.6	2036.6	2109.5	2187.9	2098.2	2028.2	1949.8	1851.7	1806.9
47.5°	1792.9	1860.1	1924.6	2036.6	2070.2	2106.7	2089.8	1977.8	1910.6	1804.1	1773.3
50°	1781.7	1806.9	1924.6	1986.2	2033.8	2070.2	2025.4	1941.4	1876.9	1767.7	1700.4
52.5°	1736.9	1784.5	1860.1	1941.4	2000.2	2045.0	1972.2	1919.0	1832.1	1717.3	1675.2
55°	1680.8	1708.9	1843.3	1927.4	1958.2	1989.0	1961.0	1874.1	1784.5	1666.8	1624.8
57.5°	1608.0	1672.4	1781.7	1899.3	1938.6	1955.4	1910.6	1840.5	1728.5	1624.8	1557.6
60°	1532.4	1599.6	1720.1	1815.3	1854.5	1916.2	1848.9	1806.9	1678.0	1563.2	1490.3
62.5°	1456.7	1532.4	1622.0	1742.5	1776.1	1801.3	1784.5	1725.7	1622.0	1493.1	1403.5
65°	1367.1	1423.1	1535.2	1596.8	1619.2	1678.0	1619.2	1596.8	1504.4	1381.1	1305.5
67.5°	1232.6	1280.2	1378.3	1437.1	1453.9	1479.1	1476.3	1451.1	1347.5	1263.4	1196.2
70°	1078.5	1120.6	1182.2	1252.2	1260.6	1291.4	1263.4	1257.8	1190.6	1075.7	1039.3
72.5°	865.6	904.9	986.1	1016.9	1019.7	1030.9	1016.9	997.3	980.5	860.0	823.6
75°	663.9	686.3	725.6	753.6	753.6	767.6	759.2	739.6	694.7	619.1	582.7
77.5°	462.2	484.6	535.1	551.9	549.1	554.7	529.5	509.9	442.6	403.4	372.6
80°	336.2	350.2	375.4	386.6	389.4	397.8	367.0	350.2	311.0	266.1	252.1
82.5°	243.7	252.1	254.9	268.9	268.9	254.9	246.5	229.7	201.7	173.7	162.5
85°	100.9	103.7	106.5	123.3	126.1	151.3	140.1	131.7	114.9	98.0	89.6
87.5°	25.2	28.0	36.4	30.8	36.4	36.4	39.2	44.8	44.8	36.4	36.4
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°	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9
2.5°	7639.4	7661.8	7947.6	7984.0	8124.1	8266.9	8555.5	8762.8	8930.9	9040.1	9070.9
5°	6465.6	6608.5	6740.2	6953.1	7146.4	7420.9	7737.5	8129.7	8622.7	8874.8	8975.7
7.5°	5062.1	5230.2	5420.7	5628.0	5911.0	6404.0	6827.0	7280.8	7911.2	8171.7	8566.7
10°	4132.1	4319.8	4571.9	4731.6	5073.3	5544.0	6037.0	6560.9	7163.2	7538.6	7995.2
12.5°	3653.0	3807.1	4039.6	4375.8	4630.7	4936.1	5303.0	5964.2	6827.0	7182.8	7496.5
15°	3123.6	3294.4	3563.4	3936.0	4241.3	4605.5	5017.3	5737.3	6656.1	7205.2	7471.3
17.5°	2686.5	2809.8	3092.7	3414.9	3765.1	4162.9	4754.0	5726.1	6835.4	7538.6	7972.8
20°	2384.0	2400.8	2554.9	2829.4	3305.7	3823.9	4591.5	5670.0	7409.7	8112.9	8661.9
22.5°	2193.5	2176.7	2179.5	2412.0	2745.4	3490.5	4336.6	5860.5	8062.4	9026.1	9395.9
25°	2098.2	2053.4	2025.4	2075.8	2378.4	3095.5	4143.3	6112.7	8765.6	9779.7	10233.5
27.5°	2047.8	1969.4	1913.4	1921.8	2143.1	2896.6	4022.8	6221.9	9463.1	10830.2	10989.9
30°	2028.2	1930.2	1848.9	1820.9	1966.6	2619.3	3765.1	6409.6	10087.8	11407.3	11544.6
32.5°	1958.2	1837.7	1759.3	1734.1	1792.9	2375.6	3580.2	6544.1	10639.7	12034.8	11987.2
35°	1876.9	1776.1	1678.0	1630.4	1672.4	2218.7	3431.7	6479.6	11289.6	12522.3	12497.0
37.5°	1868.5	1736.9	1655.6	1577.2	1574.4	2025.4	3230.0	6541.3	11704.2	13396.3	13051.7
40°	1795.7	1711.7	1605.2	1540.8	1504.4	1927.4	3033.9	6395.6	12312.2	13749.3	13410.3
42.5°	1798.5	1672.4	1580.0	1504.4	1467.9	1784.5	2899.4	6356.4	12525.1	14323.6	13578.4
45°	1753.7	1630.4	1552.0	1462.3	1442.7	1675.2	2770.6	6174.3	12900.4	14351.6	13368.3
47.5°	1708.9	1599.6	1515.6	1409.1	1364.3	1636.0	2669.7	6023.0	12704.3	14088.2	13076.9
50°	1678.0	1552.0	1473.5	1397.9	1271.8	1568.8	2538.1	5986.6	12429.8	13732.5	12536.3
52.5°	1624.8	1512.8	1431.5	1372.7	1171.0	1507.2	2487.6	6199.5	12766.0	13466.3	12379.4
55°	1574.4	1459.5	1355.9	1241.0	1086.9	1344.7	2347.6	6398.4	13256.2	14079.8	13090.9
57.5°	1521.2	1411.9	1299.8	1162.6	1005.7	1176.6	2201.9	6434.8	12337.4	13012.5	12427.0
60°	1451.1	1311.1	1227.0	1047.7	918.9	974.9	1745.3	5672.8	9569.6	10866.6	10886.2
62.5°	1372.7	1221.4	1148.6	938.5	829.2	840.4	1423.1	4768.0	7762.7	8995.3	9530.4
65°	1269.0	1123.4	1036.5	868.4	764.8	728.4	1042.1	3493.3	5896.9	7297.6	7905.5
67.5°	1134.6	997.3	888.0	756.4	683.5	624.7	711.6	1966.6	3482.1	4899.6	5084.5
70°	991.7	874.0	759.2	649.9	568.7	526.7	521.1	871.2	1664.0	2636.1	3000.3
72.5°	781.6	697.5	605.1	523.9	470.6	409.0	372.6	361.4	563.1	1072.9	1481.9
75°	560.3	490.2	437.0	383.8	344.6	311.0	282.9	257.7	235.3	268.9	369.8
77.5°	353.0	327.8	285.7	271.7	249.3	240.9	229.7	215.7	198.9	187.7	187.7
80°	238.1	221.3	207.3	204.5	196.1	193.3	196.1	182.1	165.3	151.3	156.9
82.5°	159.7	156.9	154.1	151.3	154.1	156.9	162.5	159.7	145.7	137.3	140.1
85°	95.2	100.9	106.5	112.1	123.3	109.3	89.6	75.6	67.2	61.6	58.8
87.5°	36.4	50.4	44.8	42.0	44.8	42.0	39.2	36.4	30.8	28.0	28.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9	8577.9
2.5°	9275.4	9331.5	9379.1	9367.9	9269.8	9138.2	9084.9	8813.2	8757.2	8720.8
5°	9401.5	9726.5	9796.5	9754.5	9499.5	9177.4	8863.6	8465.8	8233.3	8224.9
7.5°	9169.0	9569.6	9695.6	9790.9	9451.9	8891.6	8353.8	7757.1	7611.4	7622.6
10°	8577.9	9216.6	9527.6	9625.6	9236.2	8751.6	8006.4	7401.3	7090.3	7084.7
12.5°	8250.1	8751.6	8838.4	8975.7	8860.8	8370.6	7804.7	7126.8	6824.2	6818.6
15°	7958.8	8289.3	8314.6	8507.9	8569.5	8238.9	7857.9	7135.2	6891.4	6866.2
17.5°	8213.7	7984.0	7888.7	7914.0	8096.0	8216.5	8166.1	7611.4	7362.1	7222.0
20°	8384.6	7871.9	7583.4	7611.4	7827.1	8266.9	8625.5	8300.5	7905.5	7922.4
22.5°	8841.2	7888.7	7437.7	7406.9	7748.7	8530.3	9143.8	9171.8	8790.8	8698.3
25°	9524.8	8082.0	7392.9	7384.5	7712.3	8813.2	9748.9	10202.7	9813.3	9642.4
27.5°	10073.8	8384.6	7533.0	7561.0	7827.1	9042.9	10264.3	10866.6	10569.7	10359.6
30°	10555.7	8698.3	7729.1	7600.2	8135.3	9163.4	10485.6	11623.0	11384.9	11211.2
32.5°	10754.6	9143.8	8040.0	7827.1	8390.2	9309.1	10945.1	12357.0	12152.5	11723.9
35°	11090.7	9393.1	8208.1	8191.3	8835.6	9659.2	11160.8	12841.6	12757.6	12376.6
37.5°	11359.7	9645.2	8804.8	8619.9	9446.3	10247.5	11508.1	13511.1	13317.9	13138.6
40°	11567.0	10096.2	9362.3	9606.0	10197.1	10782.6	11827.5	13553.2	14110.6	13589.6
42.5°	11376.5	10499.6	10278.3	10861.0	11421.3	11393.3	11863.9	13878.1	14295.5	14023.8
45°	11328.9	11183.2	11726.7	12256.1	12385.0	11900.3	11603.4	13519.6	14239.5	14119.1
47.5°	11214.0	11855.5	12802.4	13665.2	13469.1	12239.3	11292.4	13455.1	14273.1	14057.4
50°	11174.8	12001.2	13598.0	14438.4	14320.8	12533.5	11146.8	13040.5	14035.0	14015.4
52.5°	11172.0	12300.9	13928.6	14858.6	14931.5	12998.5	11345.7	13250.6	14219.9	14385.2
55°	11298.0	12205.7	13886.5	14626.1	14598.1	12791.2	11368.1	13390.7	14446.8	14609.3
57.5°	10656.5	10933.9	11460.5	12046.0	11894.7	10594.9	10152.3	12379.4	13259.0	13141.4
60°	9202.6	8334.2	7740.3	7712.3	7418.1	7011.9	8309.0	11048.7	11048.7	10933.9
62.5°	8059.6	5471.1	4700.7	4482.2	4692.3	5160.2	8014.8	10746.2	10440.8	10309.2
65°	7048.3	4176.9	3398.1	3336.5	3700.6	4406.6	7247.2	9155.0	8617.1	8180.1
67.5°	4535.5	3059.1	2526.9	2417.6	2857.4	3235.6	4824.0	5630.8	5291.8	5121.0
70°	2924.7	1991.8	1406.3	1319.5	1490.3	1994.6	3081.5	3283.2	2790.2	2675.3
72.5°	1383.9	860.0	493.0	406.2	456.6	762.0	1218.6	1311.1	1089.7	997.3
75°	439.8	316.6	201.7	173.7	165.3	196.1	280.1	215.7	156.9	154.1
77.5°	196.1	187.7	159.7	134.5	117.7	98.0	81.2	67.2	70.0	72.8
80°	162.5	148.5	131.7	117.7	98.0	75.6	58.8	44.8	44.8	47.6
82.5°	142.9	128.9	114.9	98.0	84.0	61.6	44.8	30.8	28.0	28.0
85°	61.6	72.8	78.4	84.0	67.2	50.4	30.8	19.6	16.8	16.8
87.5°	25.2	22.4	19.6	16.8	14.0	14.0	11.2	8.4	5.6	5.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)