

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: P450924

Luminaire Tested: **GLAN-SA1D-730-U-SL3**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450924
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1D-730-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7066 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 65
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



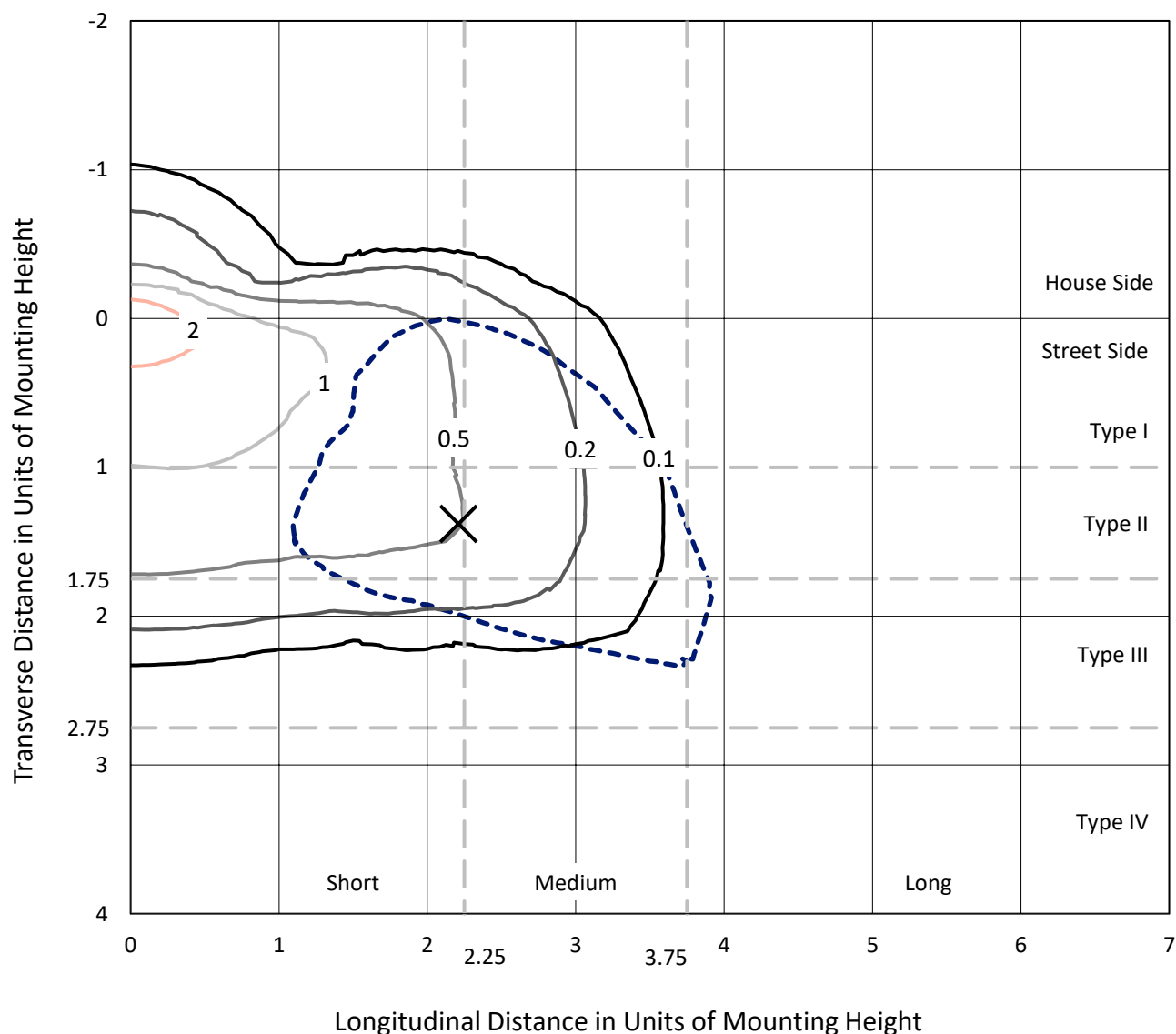
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

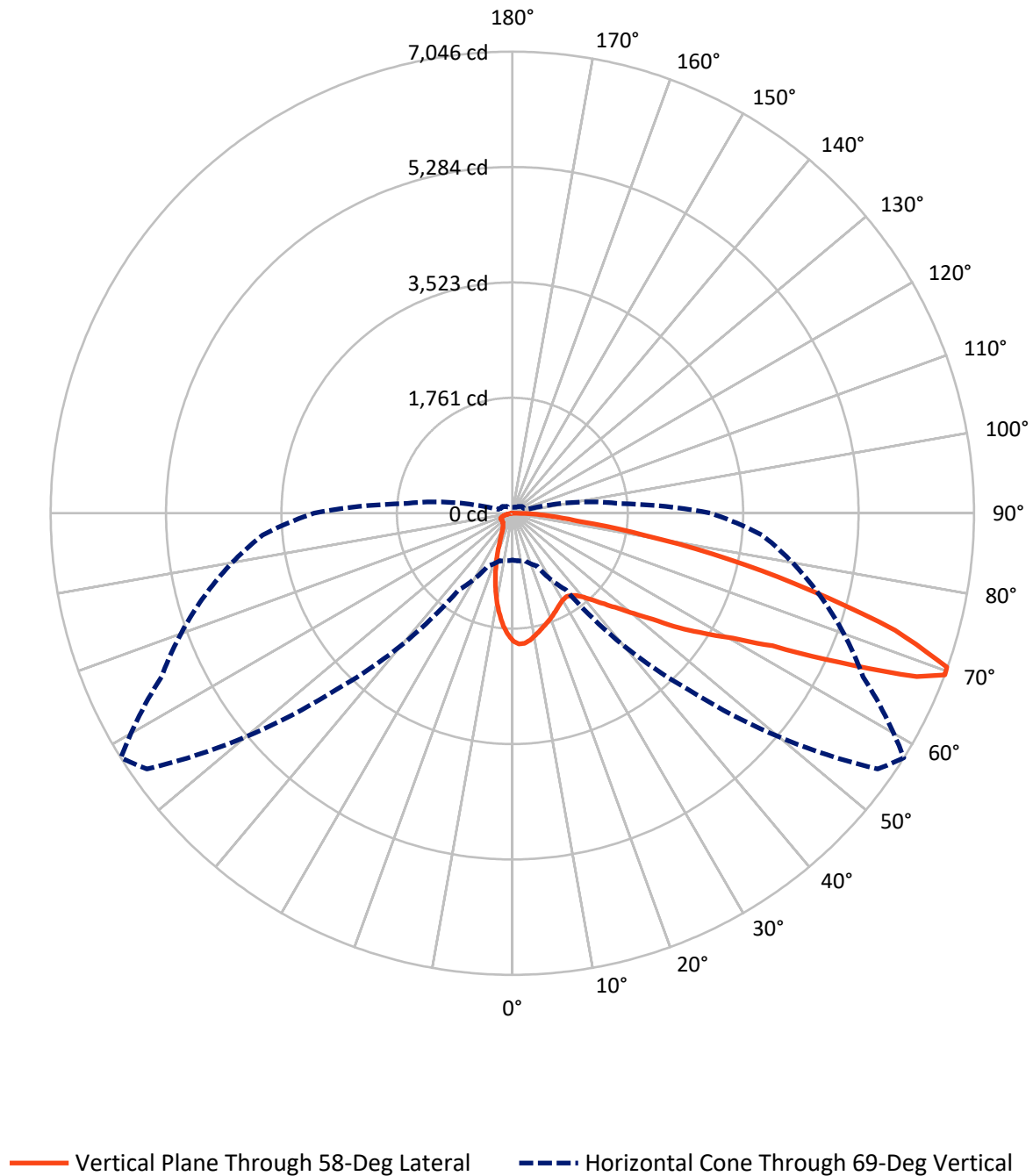


Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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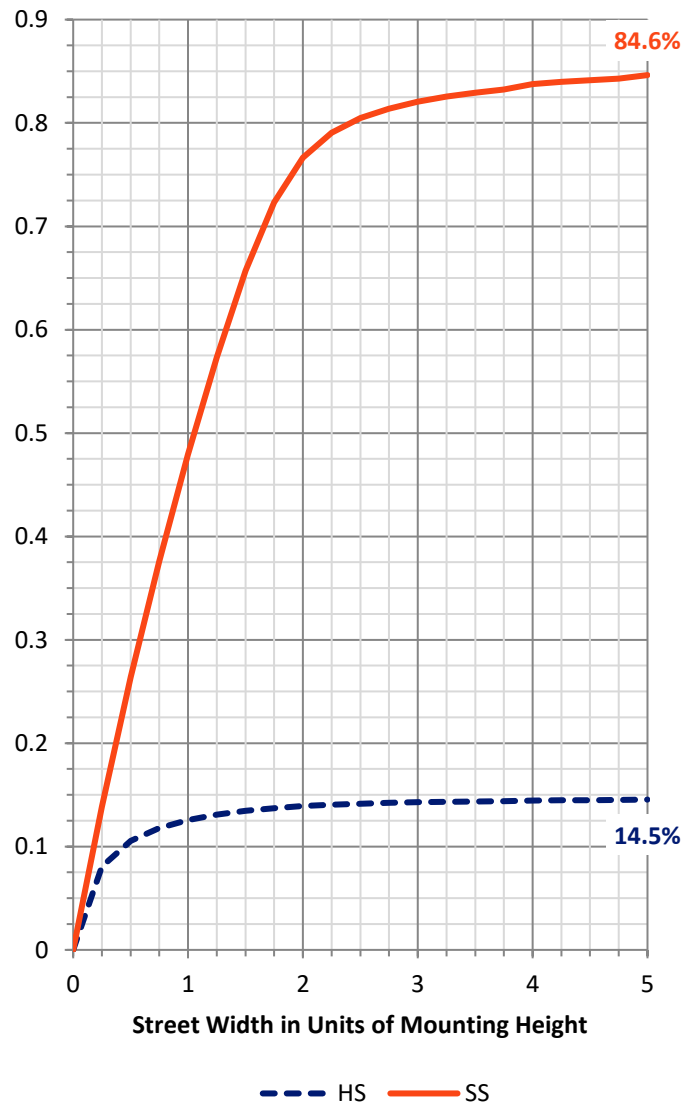
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1035.5	0.0	1035.5
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	6030.5	0.0	6030.5
	% Fixture	85.3	0.0	85.3
Total	Lumens	7066.0	0.0	7066.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.8	2.3
10°-20°	364.1	5.2
20°-30°	470.5	6.7
30°-40°	611.0	8.6
40°-50°	888.3	12.6
50°-60°	1417.5	20.1
60°-70°	1893.6	26.8
70°-80°	1091.6	15.4
80°-90°	163.5	2.3
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°	7066.0	100.0
0°-180°	7066.0	100.0

Coefficient of Utilization



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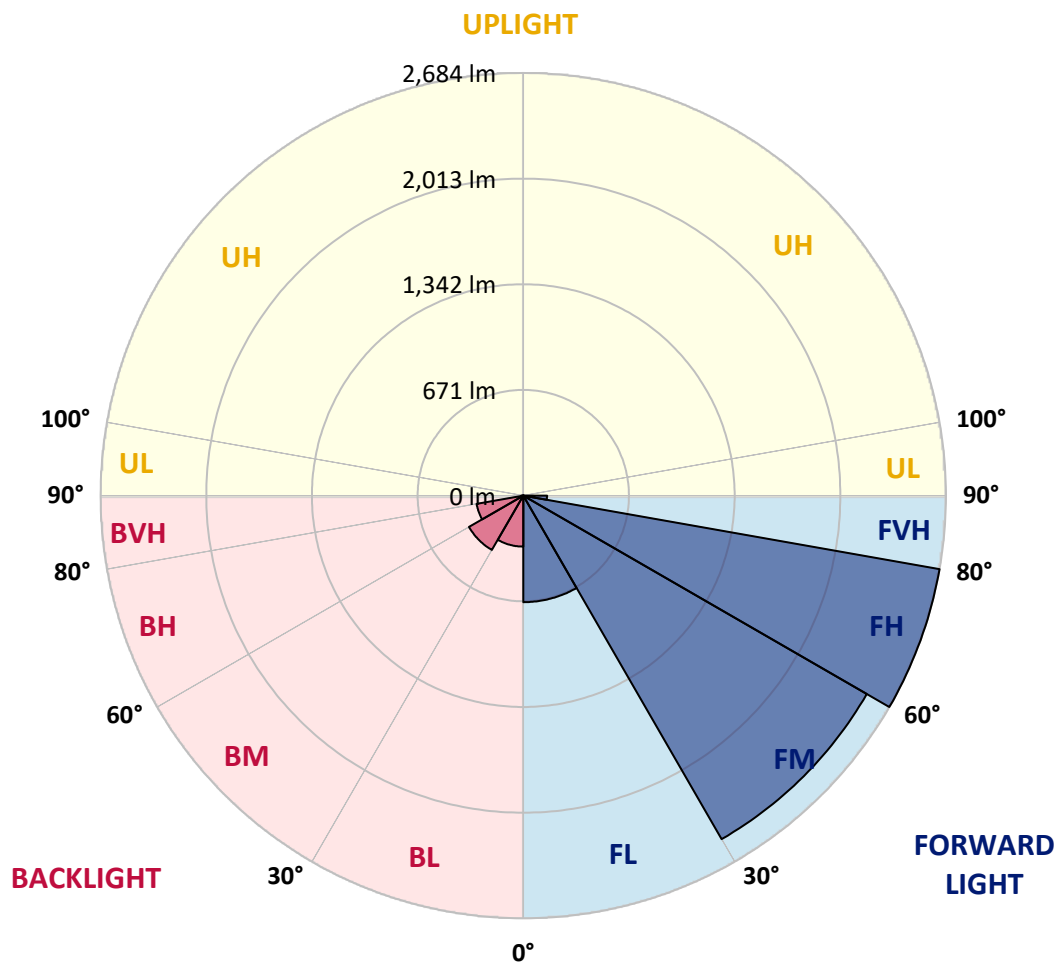
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	676.7	9.6			
FM	(30°-60°)	2518.7	35.6			
FH	(60°-80°)	2684.1	38.0			G2/5000
FVH	(80°-90°)	151.0	2.1			G2/225
BL	(0°-30°)	323.7	4.6	B1/500		
BM	(30°-60°)	398.2	5.6	B1/1000		
BH	(60°-80°)	301.1	4.3	B1/500		G1/500
BVH	(80°-90°)	12.5	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1952.6	1952.6	1952.6	1952.6	1952.6	1952.6	1952.6	1952.6	1952.6	1952.6	1952.6
2.5°	2025.1	2030.7	2029.1	2027.1	2024.0	2015.3	2001.1	1998.7	1989.7	1970.4	1946.3
5°	1994.0	1998.7	1999.1	2001.9	2005.8	2004.3	1994.0	1992.8	1979.4	1953.4	1913.2
7.5°	1887.2	1893.5	1907.3	1922.7	1936.5	1949.5	1952.6	1954.6	1946.3	1916.4	1862.8
10°	1767.0	1773.3	1779.6	1802.5	1836.4	1868.7	1895.5	1899.0	1901.0	1873.4	1808.0
12.5°	1633.8	1646.8	1660.2	1694.1	1739.4	1790.3	1837.6	1845.0	1858.4	1837.6	1760.7
15°	1520.7	1534.1	1553.4	1583.8	1638.6	1711.9	1778.4	1790.7	1817.1	1806.4	1716.6
17.5°	1442.3	1447.0	1460.4	1495.1	1554.2	1631.5	1720.5	1745.0	1787.1	1784.4	1678.7
20°	1380.4	1386.3	1394.6	1415.9	1477.4	1559.0	1666.5	1698.1	1755.2	1764.7	1641.3
22.5°	1354.4	1358.8	1357.6	1369.0	1410.8	1492.7	1611.8	1649.2	1726.8	1751.3	1606.6
25°	1356.0	1359.9	1354.0	1351.3	1376.1	1434.4	1554.6	1602.3	1704.0	1742.2	1575.1
27.5°	1382.4	1385.2	1374.1	1363.1	1365.1	1398.2	1507.3	1560.1	1684.7	1746.1	1548.7
30°	1417.9	1423.0	1415.9	1402.5	1387.9	1389.5	1477.0	1529.0	1675.6	1759.9	1536.1
32.5°	1463.6	1468.3	1465.2	1454.5	1435.6	1414.7	1469.5	1517.6	1676.4	1787.9	1533.3
35°	1511.7	1521.1	1526.2	1525.5	1510.1	1473.8	1499.1	1538.9	1695.3	1834.8	1549.5
37.5°	1566.0	1573.9	1596.0	1610.2	1596.0	1553.8	1565.6	1593.2	1737.1	1902.6	1585.0
40°	1618.8	1630.7	1663.0	1707.1	1701.6	1664.6	1667.3	1685.4	1810.8	2003.5	1654.3
42.5°	1674.0	1688.2	1744.6	1810.0	1823.0	1794.2	1801.7	1817.9	1915.6	2143.4	1773.3
45°	1745.0	1761.9	1831.3	1912.8	1964.1	1946.3	1967.6	1975.5	2055.9	2325.4	1930.2
47.5°	1836.4	1856.1	1941.6	2043.3	2115.8	2131.9	2169.0	2164.2	2229.7	2541.0	2133.5
50°	1990.5	2001.5	2082.3	2185.9	2285.6	2358.5	2398.7	2406.2	2445.2	2750.6	2360.9
52.5°	2173.7	2183.6	2241.9	2332.5	2457.4	2611.9	2711.2	2686.8	2696.2	3006.0	2626.9
55°	2379.8	2396.4	2433.4	2493.7	2655.7	2883.0	3082.4	3088.3	2983.5	3250.3	2881.9
57.5°	2539.4	2567.4	2630.8	2716.7	2922.0	3184.5	3452.5	3456.4	3322.4	3511.2	3163.2
60°	2459.0	2492.1	2637.1	2846.4	3271.6	3710.6	3894.6	3872.2	3652.3	3808.3	3506.5
62.5°	2112.2	2118.1	2329.0	2656.0	3379.2	4414.4	4552.7	4457.7	4092.4	4185.0	3855.2
65°	1367.0	1405.7	1572.7	2031.0	3025.7	4804.9	5705.8	5486.3	4709.6	4612.6	4147.2
67.5°	863.0	853.2	922.5	1159.8	2081.1	4460.9	6689.8	6655.1	5516.6	4882.6	4077.5
69°	715.6	726.7	750.3	889.0	1432.1	3808.7	6806.0	7045.6	5907.9	4861.3	3824.1
70°	649.0	654.2	679.0	788.1	1105.0	3190.0	6615.3	7035.0	6061.6	4772.2	3640.4
72.5°	515.1	514.7	557.2	655.7	826.0	1821.0	5431.9	6107.7	5889.8	4357.7	3008.0
75°	391.3	397.6	444.5	554.9	761.0	995.0	3790.6	4703.6	4704.0	3441.8	1877.0
77.5°	282.2	286.1	340.9	465.8	716.8	806.7	2524.8	3373.7	3171.5	1577.1	589.9
80°	184.8	187.2	229.0	368.9	646.3	761.0	1497.1	2064.9	1495.9	418.5	195.1
82.5°	101.3	113.1	139.9	238.8	518.6	703.0	909.9	1045.1	561.2	186.4	101.7
85°	50.8	54.0	78.8	139.5	338.9	581.7	633.7	599.4	289.6	92.6	52.8
87.5°	15.0	18.9	32.7	54.0	137.5	303.0	352.7	316.4	111.5	33.5	11.0
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°	1952.6	1952.6	1952.6	1952.6	1952.6	1952.6	1952.6	1952.6	1952.6	1952.6	1952.6
2.5°	1936.5	1929.4	1897.9	1869.5	1843.5	1815.9	1792.6	1772.1	1774.1	1774.5	1753.6
5°	1892.3	1876.2	1816.3	1760.3	1713.0	1653.1	1601.9	1568.8	1552.3	1530.2	1538.1
7.5°	1832.4	1801.3	1718.2	1625.2	1538.1	1460.4	1376.1	1318.2	1281.1	1245.3	1250.0
10°	1770.6	1720.5	1599.5	1476.6	1363.9	1239.8	1132.2	1040.0	971.4	945.8	928.8
12.5°	1707.1	1641.3	1487.6	1324.1	1168.4	1019.9	867.4	768.4	692.8	652.6	657.7
15°	1649.2	1569.2	1371.0	1171.6	969.4	792.5	640.4	546.2	493.4	482.3	488.6
17.5°	1595.6	1490.8	1261.8	1023.4	787.4	594.3	481.2	428.0	406.7	400.8	400.4
20°	1540.4	1424.2	1139.3	865.0	613.6	460.7	394.9	370.0	366.1	368.5	368.9
22.5°	1484.5	1341.8	1013.2	707.8	488.6	376.7	345.2	338.5	341.7	347.2	348.0
25°	1432.8	1269.3	891.8	569.8	390.1	331.0	315.7	315.7	322.7	331.0	331.4
27.5°	1390.3	1199.2	770.8	452.4	326.7	297.9	292.8	295.6	305.4	311.7	312.1
30°	1355.2	1133.7	656.5	362.5	287.3	271.5	270.3	275.1	282.2	288.1	288.5
32.5°	1328.8	1076.2	549.7	304.6	260.1	251.4	251.0	254.6	258.5	260.1	261.7
35°	1318.6	1028.5	452.0	268.0	242.0	236.4	236.4	236.0	237.6	238.4	239.2
37.5°	1326.8	991.9	376.3	244.3	228.6	224.6	222.3	219.9	219.1	219.1	219.5
40°	1361.9	972.6	320.0	229.0	219.1	213.2	208.9	206.1	203.3	204.1	204.9
42.5°	1436.4	976.1	281.8	218.7	210.8	202.6	196.2	193.1	191.1	193.5	193.1
45°	1555.0	1011.6	257.3	211.6	202.6	191.9	186.0	182.8	182.8	186.4	187.6
47.5°	1720.9	1079.4	244.3	206.1	196.2	183.6	177.7	175.4	176.2	182.1	182.5
50°	1923.5	1197.2	242.0	203.3	193.1	177.7	171.0	168.7	170.6	176.9	177.7
52.5°	2146.9	1348.9	253.4	203.7	190.3	174.2	165.5	162.0	163.9	169.1	170.6
55°	2411.7	1538.9	282.9	205.3	186.4	172.2	161.6	153.7	156.1	159.6	160.0
57.5°	2682.1	1778.4	335.0	205.7	183.2	168.7	154.9	144.6	144.6	147.0	148.2
60°	3012.3	2039.3	403.5	206.1	183.6	163.5	145.8	134.4	132.8	134.0	134.4
62.5°	3340.2	2257.6	415.0	204.9	187.6	158.4	136.0	124.1	121.4	121.0	120.2
65°	3484.8	2217.1	340.1	199.4	191.9	155.3	128.1	114.3	109.6	108.0	108.0
67.5°	3249.1	1875.4	255.8	191.9	189.2	152.1	120.6	106.0	100.5	97.3	97.3
69°	3027.7	1668.1	229.7	186.8	182.1	147.0	115.9	101.7	95.0	91.4	90.2
70°	2856.6	1525.5	218.7	182.5	175.4	141.1	112.3	98.5	91.0	87.1	86.3
72.5°	2279.7	1196.8	191.5	165.9	149.4	118.6	99.7	88.7	81.6	77.2	76.1
75°	1313.8	648.6	158.8	144.2	120.2	92.2	84.3	77.2	71.7	67.8	66.6
77.5°	404.3	250.6	115.1	113.9	88.3	71.3	67.4	64.6	60.7	56.4	55.6
80°	170.2	127.7	78.0	76.8	58.7	49.7	48.5	48.1	46.5	43.0	41.8
82.5°	93.4	72.1	54.4	47.3	35.5	28.8	29.9	30.3	29.2	25.6	23.3
85°	45.7	39.4	26.4	21.3	16.2	10.2	9.9	11.8	11.0	7.9	8.7
87.5°	9.1	11.0	7.1	3.2	1.6	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

(END OF REPORT)