

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: P560995

Luminaire Tested: **SDL-PA1-70-830-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-16)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-830-U-SL3
Description: Springdale
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6718 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

Input Watts (W): 72.2
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

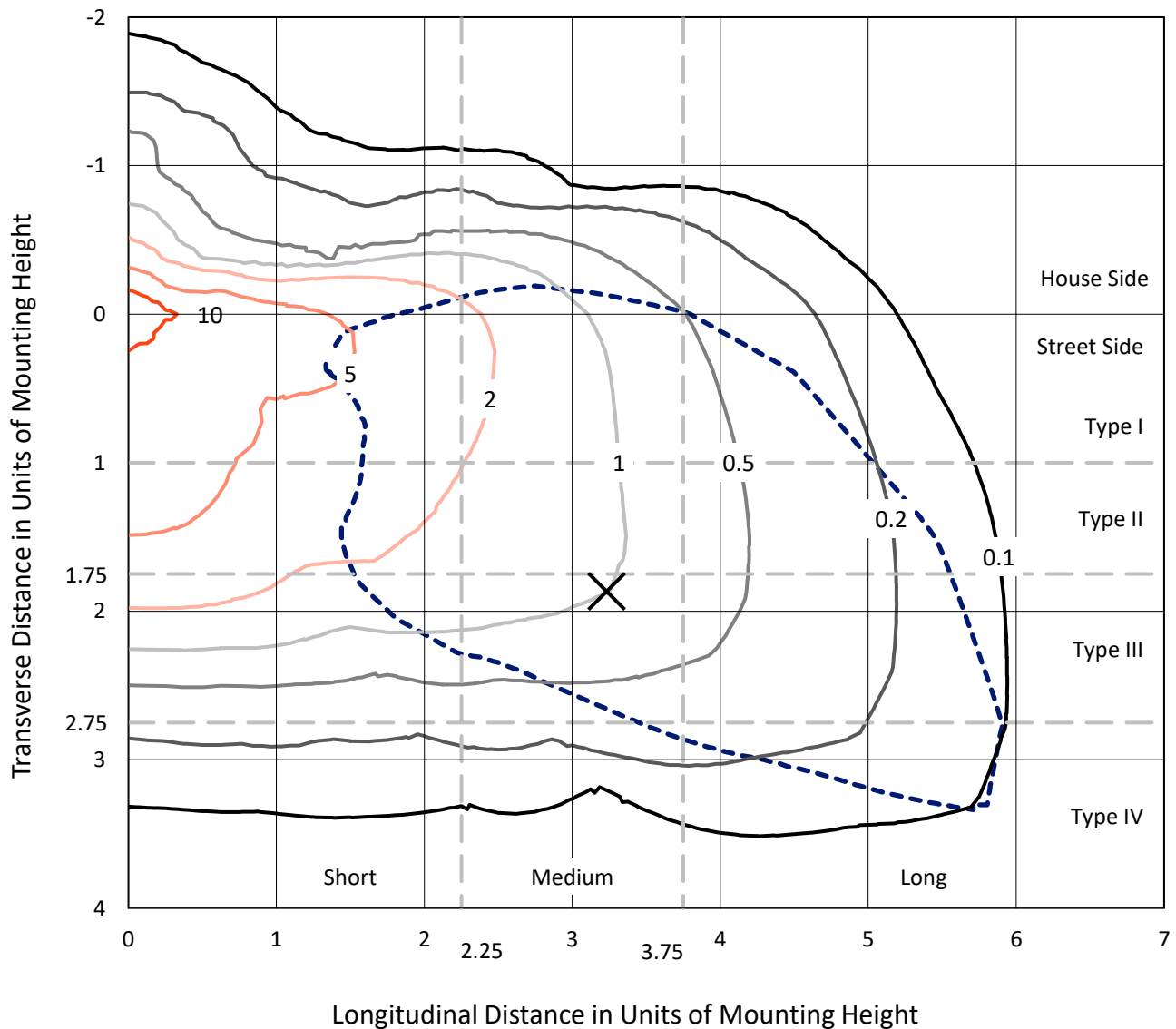


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

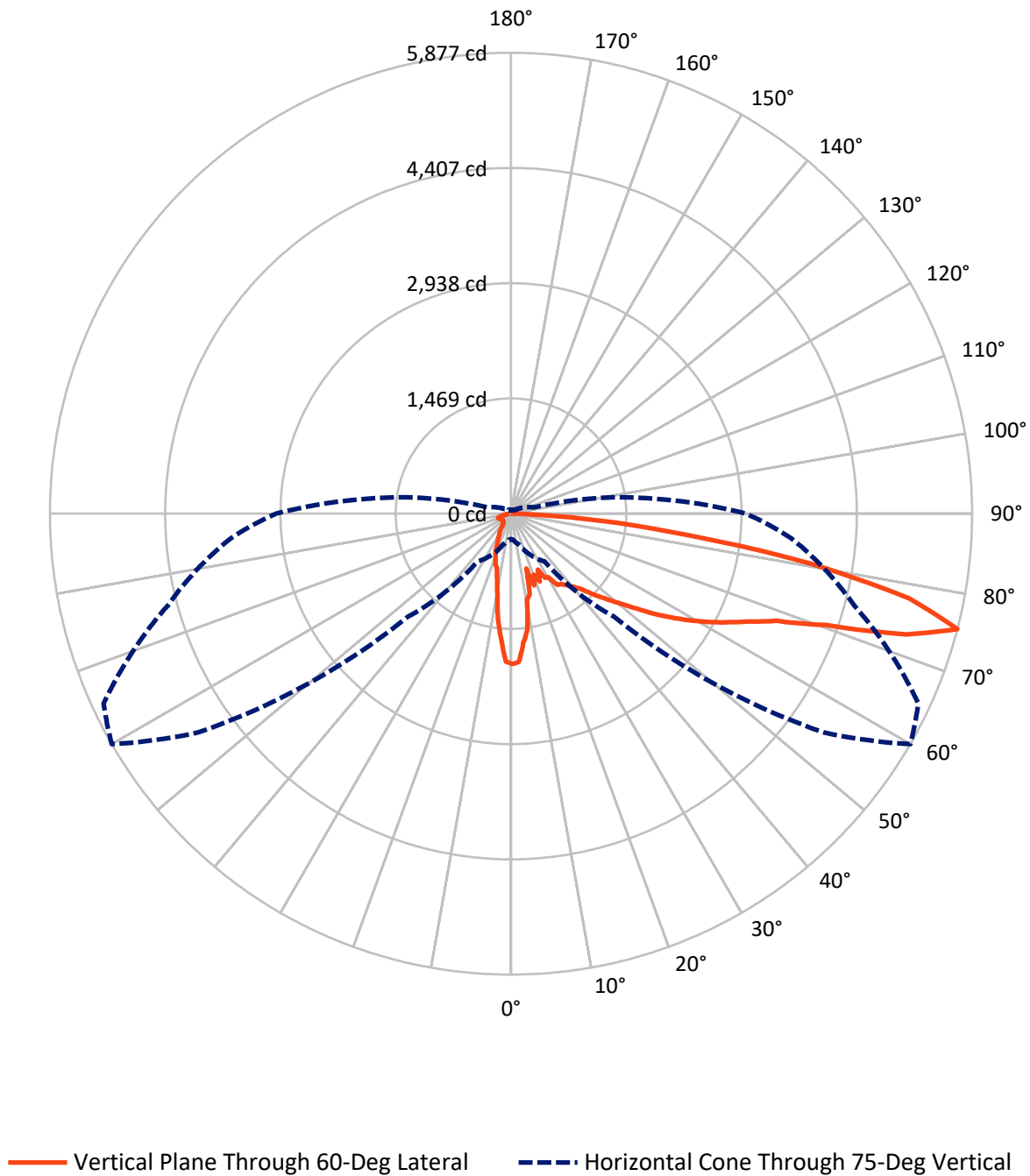


Based on 10 foot mounting height. Maximum calculated value = 19.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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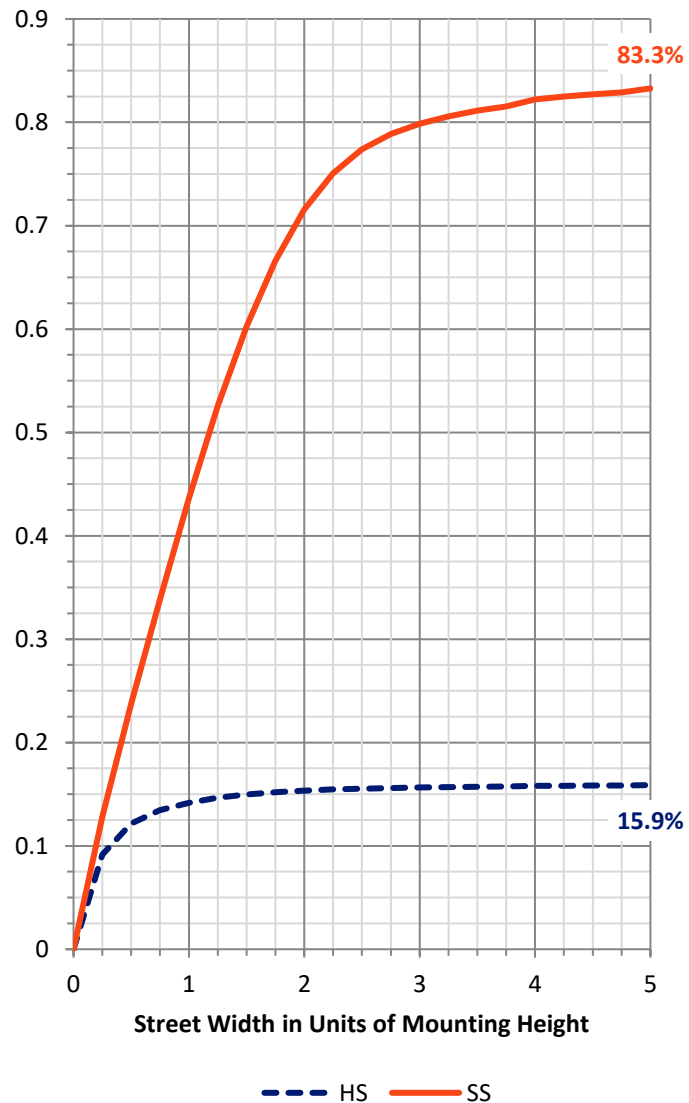
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1079.8	0.0	1079.8
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	5638.1	0.0	5638.1
	% Fixture	83.9	0.0	83.9
Total	Lumens	6718.0	0.0	6718.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.8	2.1
10°-20°	252.2	3.8
20°-30°	330.4	4.9
30°-40°	545.2	8.1
40°-50°	851.4	12.7
50°-60°	1296.2	19.3
60°-70°	1606.0	23.9
70°-80°	1418.8	21.1
80°-90°	278.1	4.1
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°	6718.0	100.0
0°-180°	6718.0	100.0

Coefficient of Utilization



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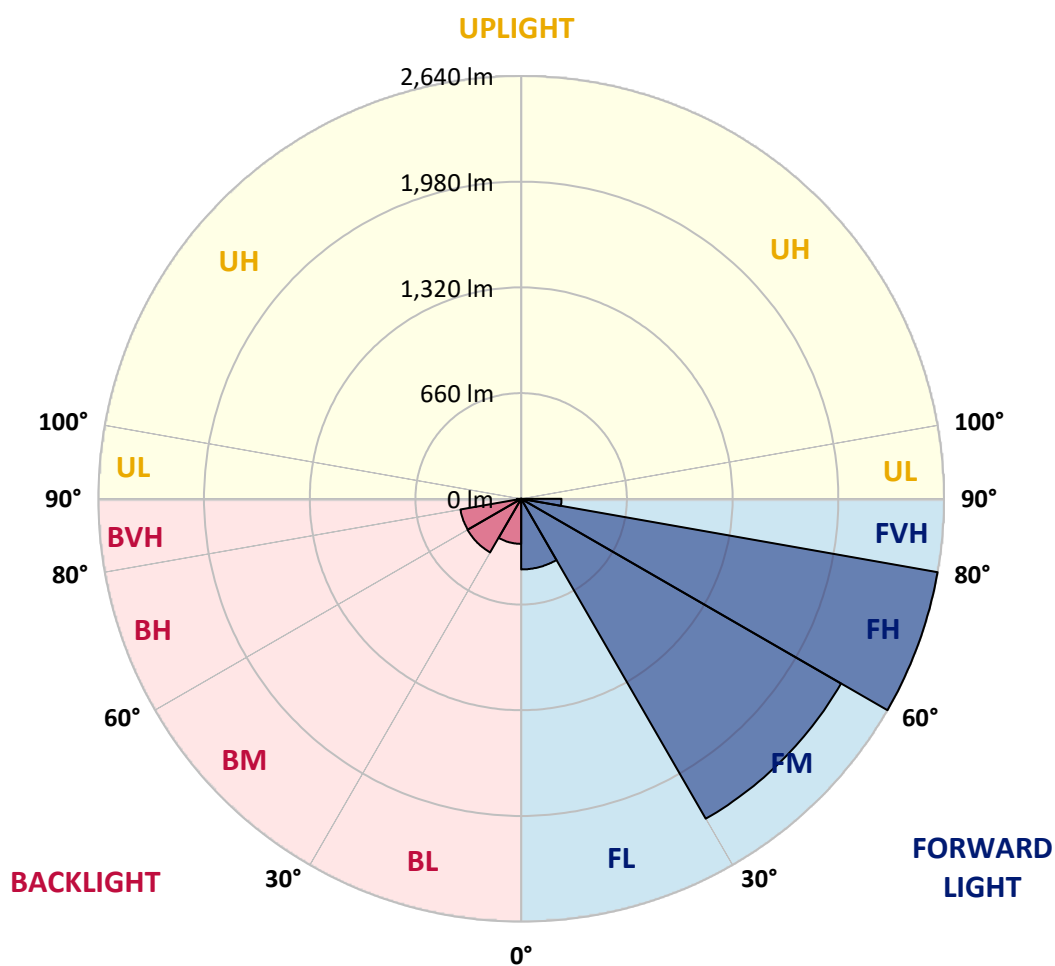
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	441.1	6.6			
FM	(30°-60°)	2305.8	34.3			
FH	(60°-80°)	2639.7	39.3			G2/5000
FVH	(80°-90°)	251.6	3.7			G3/500
BL	(0°-30°)	281.3	4.2	B1/500		
BM	(30°-60°)	386.9	5.8	B1/1000		
BH	(60°-80°)	385.1	5.7	B1/500		G1/500
BVH	(80°-90°)	26.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2
2.5°	1591.5	1771.1	1729.3	1687.5	1751.4	1812.9	1832.6	1849.8	1859.7	1869.5	1879.3
5°	1478.4	1480.8	1483.3	1485.8	1493.1	1498.1	1507.9	1517.7	1527.6	1535.0	1544.8
7.5°	1141.4	1180.7	1244.7	1308.6	1348.0	1384.9	1407.0	1426.7	1441.5	1456.2	1471.0
10°	1269.3	1276.7	1279.1	1279.1	1291.4	1303.7	1210.3	1114.3	1161.1	1207.8	1156.1
12.5°	996.2	1023.3	1104.5	1183.2	1207.8	1229.9	1185.7	1141.4	1072.5	1001.2	996.2
15°	1143.8	1151.2	1153.7	1153.7	1077.4	1001.2	949.5	895.4	937.2	976.6	885.5
17.5°	885.5	892.9	956.9	1020.8	1033.1	1045.4	991.3	937.2	816.7	693.7	809.3
20°	1052.8	1057.7	1057.7	1057.7	929.8	801.9	811.8	819.1	858.5	897.8	865.9
22.5°	848.7	848.7	848.7	848.7	888.0	924.9	846.2	767.5	811.8	856.0	816.7
25°	1067.6	1075.0	1057.7	1038.1	920.0	801.9	838.8	875.7	809.3	742.9	801.9
27.5°	974.1	966.7	932.3	895.4	912.6	929.8	848.7	767.5	819.1	870.8	846.2
30°	1293.9	1271.7	1234.8	1198.0	1057.7	917.5	895.4	873.3	829.0	782.2	833.9
32.5°	1719.4	1662.9	1490.7	1318.5	1232.4	1146.3	1035.6	924.9	915.1	902.8	917.5
35°	1832.6	1795.7	1724.4	1650.6	1503.0	1352.9	1212.7	1070.0	1023.3	974.1	983.9
37.5°	1854.7	1842.4	1827.7	1810.5	1660.4	1510.4	1357.8	1205.3	1156.1	1104.5	1067.6
40°	1872.0	1881.8	1908.9	1933.4	1783.4	1630.9	1493.1	1352.9	1301.3	1247.1	1183.2
42.5°	1950.7	1977.7	2012.2	2044.1	1906.4	1768.6	1648.1	1527.6	1461.2	1394.7	1335.7
45°	2132.7	2147.5	2184.4	2218.8	2088.4	1955.6	1817.8	1677.6	1621.0	1564.5	1505.4
47.5°	2398.4	2423.0	2420.5	2418.0	2272.9	2125.3	1970.3	1812.9	1776.0	1736.7	1680.1
50°	2732.9	2715.7	2668.9	2622.2	2464.8	2304.9	2122.9	1938.4	1921.2	1901.5	1854.7
52.5°	2900.2	2887.9	2823.9	2757.5	2597.6	2437.7	2240.9	2041.7	2063.8	2086.0	2041.7
55°	2910.0	2902.6	2855.9	2809.2	2654.2	2499.2	2324.6	2149.9	2204.0	2258.2	2240.9
57.5°	2838.7	2841.1	2826.4	2809.2	2671.4	2533.7	2388.5	2243.4	2336.9	2427.9	2445.1
60°	2656.6	2693.5	2718.1	2742.7	2656.6	2570.6	2445.1	2319.6	2462.3	2605.0	2651.7
62.5°	2319.6	2351.6	2440.2	2526.3	2543.5	2558.3	2474.6	2388.5	2580.4	2769.8	2846.1
65°	1798.2	1842.4	1975.3	2108.1	2245.9	2383.6	2403.3	2423.0	2747.7	3072.4	3136.3
67.5°	1121.7	1146.3	1286.5	1424.3	1702.2	1977.7	2135.2	2292.6	2853.4	3411.8	3512.7
70°	592.8	629.7	698.6	765.0	1003.6	1242.2	1562.0	1881.8	2693.5	3505.3	3918.6
72.5°	450.2	464.9	501.8	538.7	622.3	706.0	907.7	1109.4	2108.1	3104.3	4056.3
75°	324.7	337.0	376.4	413.3	496.9	578.1	661.7	742.9	1301.3	1859.7	3362.6
77.5°	189.4	194.3	214.0	231.2	361.6	492.0	583.0	671.5	806.8	939.7	2400.8
80°	130.4	132.8	140.2	147.6	204.2	260.7	435.4	610.0	671.5	730.6	1591.5
82.5°	86.1	98.4	103.3	108.2	127.9	147.6	255.8	361.6	531.3	698.6	1087.3
85°	44.3	49.2	59.0	66.4	76.3	83.6	115.6	145.1	440.3	733.0	782.2
87.5°	4.9	7.4	9.8	9.8	12.3	14.8	22.1	29.5	132.8	236.1	201.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2
2.5°	1889.2	1894.1	1891.6	1896.6	1899.0	1901.5	1903.9	1903.9	1901.5	1896.6	1891.6
5°	1554.6	1653.0	1820.3	1837.5	1854.7	1859.7	1864.6	1867.0	1862.1	1854.7	1847.4
7.5°	1483.3	1498.1	1348.0	1468.5	1586.6	1596.4	1603.8	1598.9	1601.4	1535.0	1466.1
10°	1104.5	1116.8	1121.7	1158.6	1193.0	1274.2	1355.4	1343.1	1333.2	1215.2	1094.6
12.5°	991.3	1055.3	1070.0	1008.5	947.0	1030.7	1114.3	1104.5	1087.3	979.0	870.8
15°	794.5	728.1	870.8	1003.6	1134.0	1212.7	1289.0	1266.8	1247.1	1109.4	969.2
17.5°	922.4	961.8	915.1	934.7	954.4	1013.5	1070.0	1035.6	1023.3	927.4	829.0
20°	833.9	831.4	799.5	915.1	1030.7	1146.3	1259.4	1225.0	1166.0	979.0	789.6
22.5°	777.3	937.2	1006.1	991.3	974.1	929.8	883.1	853.6	809.3	767.5	723.2
25°	858.5	792.1	846.2	1023.3	1198.0	1229.9	1261.9	1188.1	1092.2	902.8	713.4
27.5°	821.6	924.9	993.8	1111.9	1227.5	1338.2	1448.9	1350.5	1225.0	988.9	750.3
30°	885.5	942.1	1134.0	1355.4	1576.8	1616.1	1653.0	1517.7	1350.5	1111.9	873.3
32.5°	932.3	1082.3	1252.1	1424.3	1594.0	1623.5	1653.0	1500.5	1308.6	1045.4	782.2
35°	991.3	1102.0	1257.0	1458.7	1660.4	1667.8	1672.7	1495.6	1279.1	981.5	681.4
37.5°	1030.7	1156.1	1323.4	1537.4	1751.4	1736.7	1719.4	1517.7	1269.3	937.2	605.1
40°	1119.2	1227.5	1407.0	1626.0	1844.9	1820.3	1795.7	1564.5	1271.7	892.9	511.7
42.5°	1274.2	1316.0	1510.4	1744.0	1977.7	1950.7	1921.2	1645.6	1301.3	868.3	432.9
45°	1443.9	1463.6	1630.9	1896.6	2162.2	2127.8	2093.3	1771.1	1355.4	856.0	356.7
47.5°	1621.0	1616.1	1771.1	2093.3	2413.1	2339.3	2265.5	1918.7	1456.2	880.6	305.0
50°	1805.5	1798.2	1948.2	2295.0	2641.9	2563.2	2484.5	2095.8	1571.9	924.9	275.5
52.5°	1994.9	2012.2	2122.9	2484.5	2843.6	2772.3	2698.5	2287.7	1685.0	974.1	263.2
55°	2221.3	2275.4	2319.6	2681.2	3042.8	2971.5	2897.7	2484.5	1842.4	1050.4	258.3
57.5°	2459.9	2531.2	2550.9	2880.5	3210.1	3163.4	3114.2	2671.4	2002.3	1138.9	273.0
60°	2698.5	2791.9	2863.3	3128.9	3392.1	3338.0	3283.9	2860.8	2152.4	1237.3	322.2
62.5°	2919.9	3050.2	3165.8	3360.2	3552.0	3488.1	3424.1	3025.6	2322.1	1372.6	420.6
65°	3197.8	3313.4	3438.9	3566.8	3692.2	3630.8	3569.3	3232.3	2548.4	1542.3	533.8
67.5°	3613.5	3648.0	3711.9	3790.6	3866.9	3830.0	3790.6	3485.6	2745.2	1640.7	533.8
70°	4329.4	4253.1	4157.2	4154.7	4149.8	4090.7	4029.3	3628.3	2757.5	1601.4	445.2
72.5°	5005.8	5266.6	4961.5	4740.1	4518.8	4258.0	3994.8	3436.4	2435.3	1394.7	354.2
75°	4863.1	5876.6	5729.0	5128.8	4528.6	4056.3	3584.0	2993.6	2004.8	1153.7	302.6
77.5°	3859.5	5185.4	5325.6	4774.6	4221.1	3581.6	2939.5	2314.7	1389.8	821.6	253.4
80°	2450.0	3876.7	3901.3	3389.7	2875.6	2189.3	1503.0	1008.5	669.1	435.4	201.7
82.5°	1475.9	2295.0	1997.4	1431.6	865.9	600.2	332.1	319.8	246.0	182.0	118.1
85°	831.4	1124.2	806.8	528.9	250.9	179.6	105.8	113.2	108.2	88.6	66.4
87.5°	164.8	194.3	132.8	76.3	19.7	19.7	17.2	17.2	12.3	12.3	9.8
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2
2.5°	1891.6	1891.6	1886.7	1881.8	1879.3	1876.9	1803.1	1729.3	1680.1	1628.4	1616.1
5°	1756.3	1665.3	1596.4	1527.6	1512.8	1498.1	1495.6	1493.1	1485.8	1475.9	1473.5
7.5°	1387.4	1306.2	1362.8	1416.9	1407.0	1394.7	1387.4	1377.5	1360.3	1343.1	1257.0
10°	1067.6	1040.5	1040.5	1038.1	1018.4	998.7	1043.0	1087.3	1136.5	1185.7	1180.7
12.5°	910.1	947.0	851.1	752.7	806.8	858.5	907.7	954.4	979.0	1003.6	927.4
15°	858.5	745.3	713.4	681.4	706.0	730.6	659.2	585.4	642.0	698.6	710.9
17.5°	769.9	710.9	678.9	644.5	551.0	455.1	487.1	519.0	516.6	514.1	501.8
20°	718.3	644.5	587.9	528.9	484.6	440.3	393.6	344.4	322.2	297.6	356.7
22.5°	683.8	644.5	526.4	408.3	373.9	339.5	302.6	263.2	278.0	290.3	300.1
25°	597.7	479.7	413.3	346.8	292.7	236.1	238.6	241.1	228.8	216.5	273.0
27.5°	605.1	457.5	354.2	250.9	231.2	209.1	196.8	182.0	201.7	218.9	223.8
30°	634.6	396.0	300.1	204.2	182.0	159.9	167.3	172.2	172.2	172.2	196.8
32.5°	563.3	344.4	255.8	164.8	152.5	137.8	140.2	140.2	152.5	164.8	177.1
35°	477.2	270.6	209.1	145.1	132.8	120.5	125.5	130.4	142.7	155.0	172.2
37.5°	410.8	214.0	172.2	130.4	123.0	115.6	118.1	120.5	132.8	142.7	157.4
40°	346.8	179.6	152.5	125.5	118.1	110.7	113.2	113.2	123.0	132.8	142.7
42.5°	300.1	164.8	145.1	123.0	115.6	105.8	108.2	108.2	115.6	123.0	130.4
45°	258.3	157.4	140.2	120.5	113.2	103.3	103.3	100.9	108.2	113.2	118.1
47.5°	231.2	155.0	137.8	120.5	110.7	98.4	95.9	93.5	100.9	105.8	113.2
50°	216.5	155.0	137.8	118.1	105.8	93.5	91.0	88.6	98.4	105.8	118.1
52.5°	211.5	157.4	137.8	118.1	103.3	88.6	88.6	88.6	105.8	123.0	127.9
55°	211.5	162.4	140.2	115.6	100.9	86.1	91.0	95.9	100.9	105.8	105.8
57.5°	216.5	159.9	135.3	110.7	100.9	88.6	86.1	83.6	86.1	88.6	88.6
60°	238.6	155.0	130.4	105.8	93.5	81.2	78.7	76.3	81.2	83.6	83.6
62.5°	287.8	152.5	130.4	105.8	91.0	76.3	76.3	73.8	76.3	78.7	81.2
65°	351.8	169.7	137.8	105.8	91.0	76.3	71.3	66.4	71.3	73.8	73.8
67.5°	366.5	199.2	159.9	118.1	95.9	73.8	68.9	64.0	68.9	71.3	71.3
70°	332.1	218.9	172.2	125.5	100.9	73.8	68.9	61.5	64.0	66.4	64.0
72.5°	285.3	214.0	169.7	123.0	98.4	71.3	66.4	59.0	61.5	61.5	59.0
75°	243.5	184.5	145.1	103.3	83.6	61.5	56.6	51.7	54.1	54.1	54.1
77.5°	204.2	152.5	118.1	81.2	66.4	49.2	46.7	44.3	46.7	49.2	46.7
80°	159.9	115.6	88.6	59.0	49.2	36.9	39.4	39.4	41.8	41.8	41.8
82.5°	93.5	68.9	56.6	41.8	34.4	27.1	29.5	32.0	34.4	34.4	34.4
85°	56.6	44.3	36.9	29.5	24.6	17.2	22.1	24.6	24.6	24.6	22.1
87.5°	9.8	9.8	9.8	9.8	7.4	4.9	9.8	12.3	12.3	12.3	9.8
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):

	165°	170°	175°	180°
0°	1916.2	1916.2	1916.2	1916.2
2.5°	1601.4	1601.4	1598.9	1598.9
5°	1471.0	1466.1	1461.2	1466.1
7.5°	1170.9	1136.5	1102.0	1111.9
10°	1173.4	1170.9	1168.4	1166.0
12.5°	848.7	821.6	794.5	777.3
15°	720.7	713.4	703.5	703.5
17.5°	487.1	464.9	442.8	428.0
20°	415.7	428.0	437.9	442.8
22.5°	309.9	319.8	329.6	334.5
25°	327.2	351.8	373.9	376.4
27.5°	226.3	238.6	248.4	243.5
30°	221.4	228.8	236.1	236.1
32.5°	189.4	209.1	228.8	231.2
35°	189.4	199.2	209.1	211.5
37.5°	169.7	177.1	182.0	184.5
40°	152.5	157.4	159.9	159.9
42.5°	135.3	147.6	157.4	157.4
45°	120.5	152.5	184.5	194.3
47.5°	118.1	164.8	211.5	221.4
50°	127.9	172.2	214.0	218.9
52.5°	130.4	155.0	177.1	177.1
55°	103.3	115.6	125.5	123.0
57.5°	88.6	98.4	105.8	105.8
60°	83.6	95.9	105.8	108.2
62.5°	81.2	86.1	91.0	95.9
65°	73.8	73.8	73.8	73.8
67.5°	68.9	68.9	66.4	66.4
70°	61.5	61.5	61.5	61.5
72.5°	56.6	56.6	56.6	54.1
75°	51.7	51.7	49.2	49.2
77.5°	44.3	44.3	44.3	44.3
80°	39.4	39.4	36.9	36.9
82.5°	32.0	32.0	29.5	27.1
85°	19.7	19.7	17.2	14.8
87.5°	7.4	7.4	4.9	2.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)