

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: P561193

Luminaire Tested: **SDL-PA1-90-722-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561193
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-PA1-90-722-U-SL3
Description: Springdale
(1) 70 CRI, 2200K, 1180mA 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: 7476.7 lumens
Efficiency: N/A
Efficacy: 80.9 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): 92.4
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

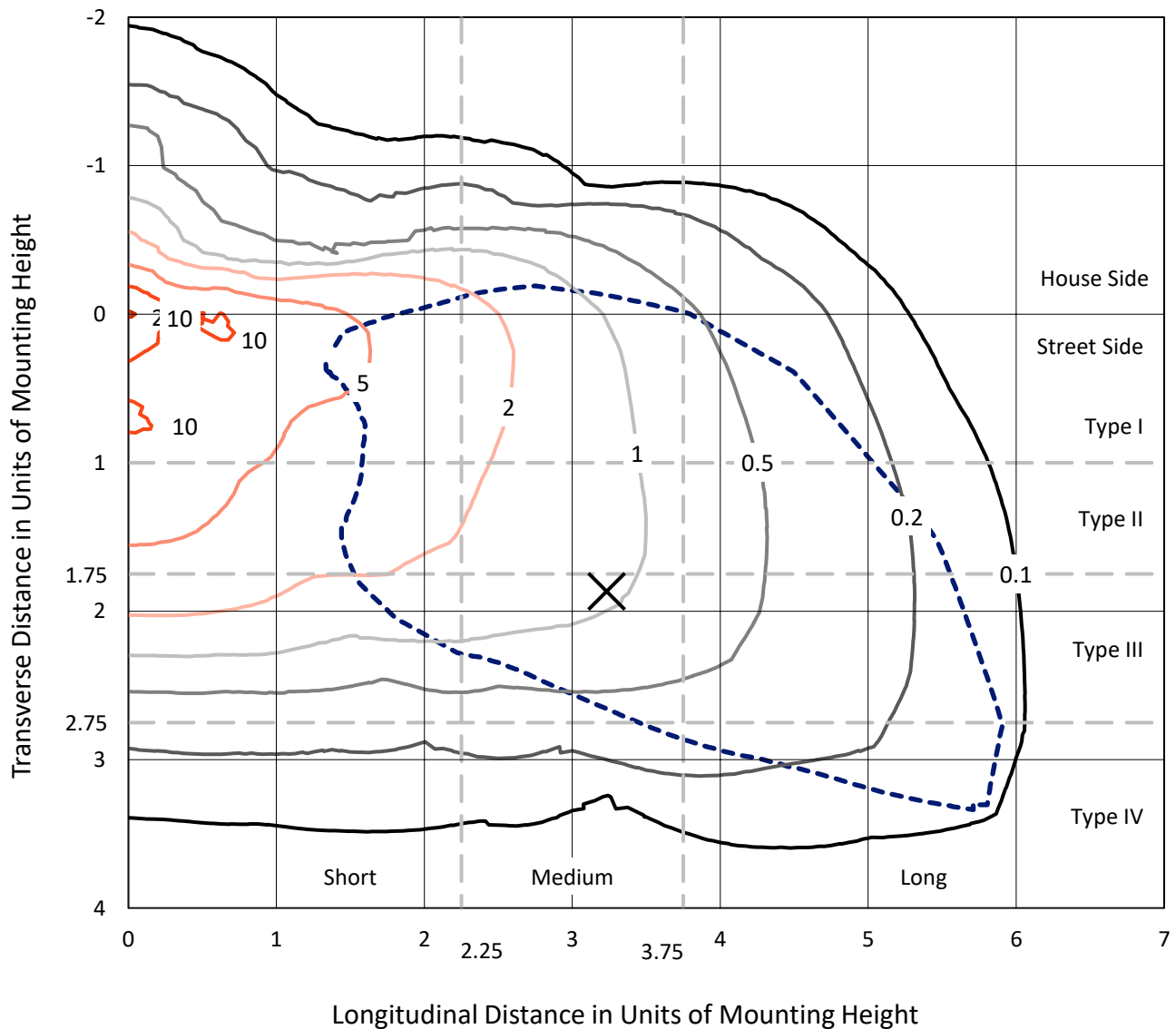


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

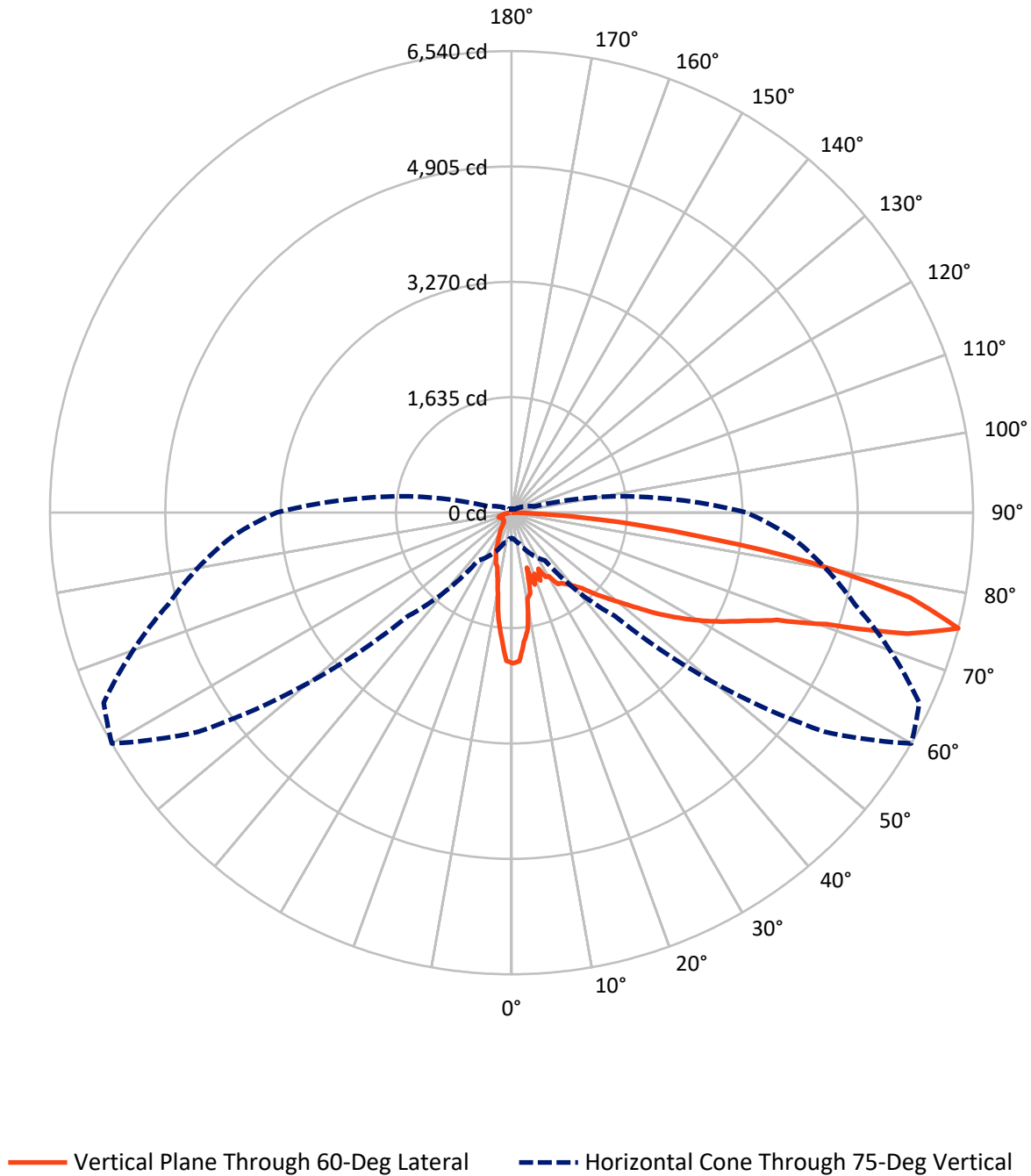


Based on 10 foot mounting height. Maximum calculated value = 21.3 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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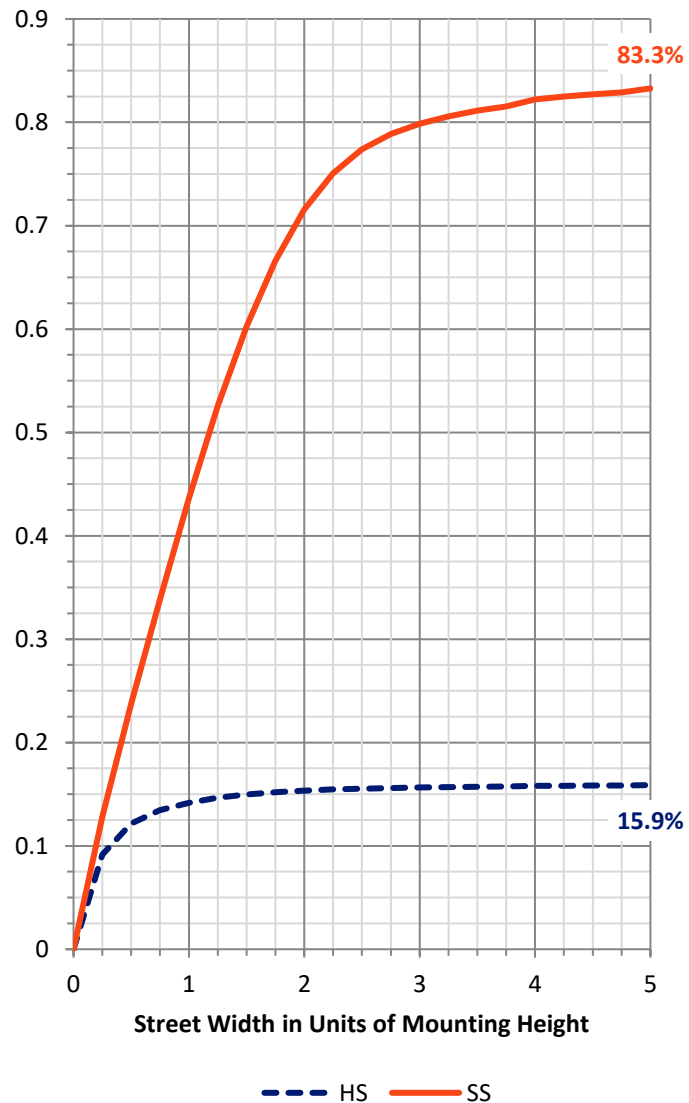
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1201.8	0.0	1201.8
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	6274.9	0.0	6274.9
	% Fixture	83.9	0.0	83.9
Total	Lumens	7476.7	0.0	7476.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.6	2.1
10°-20°	280.7	3.8
20°-30°	367.7	4.9
30°-40°	606.7	8.1
40°-50°	947.5	12.7
50°-60°	1442.5	19.3
60°-70°	1787.4	23.9
70°-80°	1579.0	21.1
80°-90°	309.5	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°	7476.7	100.0
0°-180°	7476.7	100.0

Coefficient of Utilization



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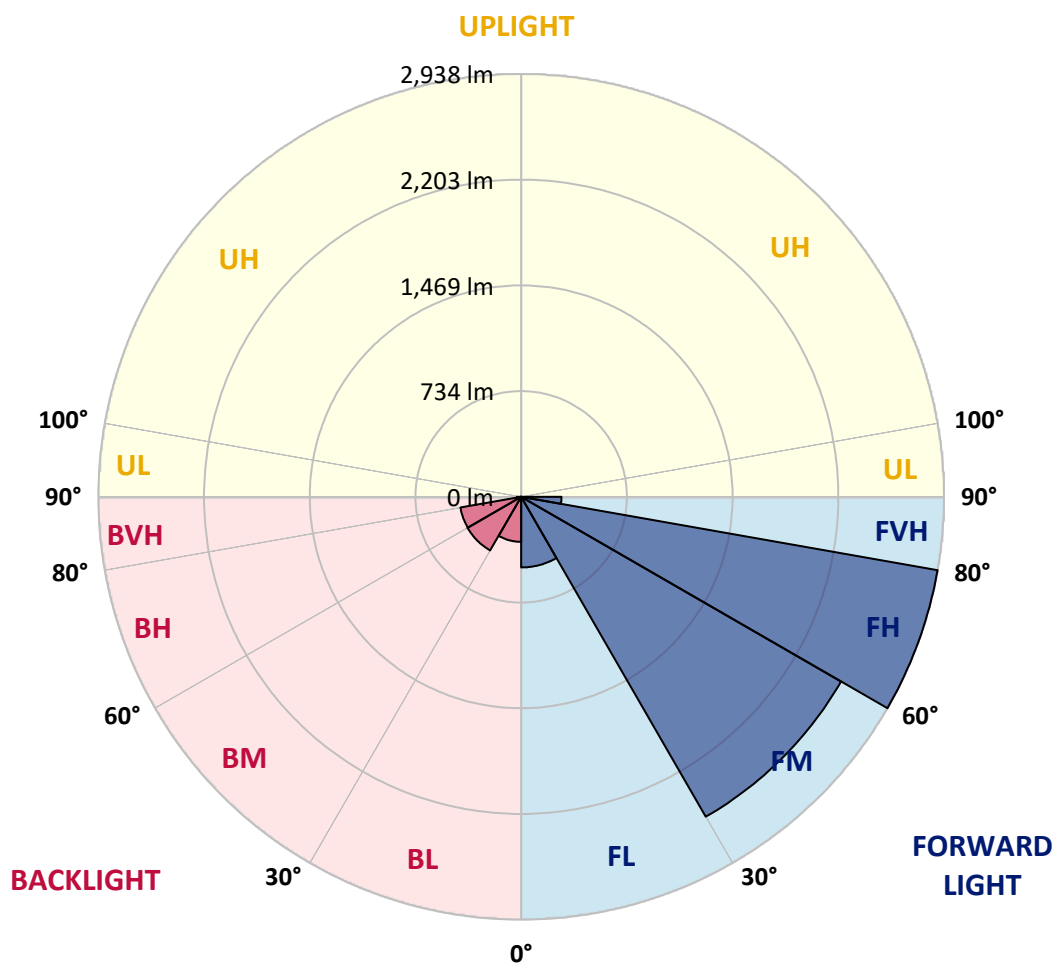
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	490.9	6.6			
FM	(30°-60°)	2566.2	34.3			
FH	(60°-80°)	2937.8	39.3			G2/5000
FVH	(80°-90°)	280.0	3.7			G3/500
BL	(0°-30°)	313.1	4.2	B1/500		
BM	(30°-60°)	430.6	5.8	B1/1000		
BH	(60°-80°)	428.6	5.7	B1/500		G1/500
BVH	(80°-90°)	29.5	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°	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6
2.5°	1771.3	1971.1	1924.6	1878.0	1949.2	2017.7	2039.6	2058.7	2069.7	2080.6	2091.6
5°	1645.3	1648.1	1650.8	1653.6	1661.8	1667.2	1678.2	1689.1	1700.1	1708.3	1719.3
7.5°	1270.3	1314.1	1385.3	1456.4	1500.2	1541.3	1565.9	1587.8	1604.3	1620.7	1637.1
10°	1412.6	1420.8	1423.6	1423.6	1437.3	1451.0	1346.9	1240.2	1292.2	1344.2	1286.7
12.5°	1108.8	1138.9	1229.2	1316.8	1344.2	1368.8	1319.6	1270.3	1193.6	1114.2	1108.8
15°	1273.0	1281.2	1284.0	1284.0	1199.1	1114.2	1056.7	996.5	1043.1	1086.9	985.6
17.5°	985.6	993.8	1065.0	1136.1	1149.8	1163.5	1103.3	1043.1	908.9	772.0	900.7
20°	1171.7	1177.2	1177.2	1177.2	1034.8	892.5	903.4	911.6	955.4	999.2	963.7
22.5°	944.5	944.5	944.5	944.5	988.3	1029.4	941.8	854.2	903.4	952.7	908.9
25°	1188.1	1196.4	1177.2	1155.3	1023.9	892.5	933.5	974.6	900.7	826.8	892.5
27.5°	1084.1	1075.9	1037.6	996.5	1015.7	1034.8	944.5	854.2	911.6	969.1	941.8
30°	1440.0	1415.4	1374.3	1333.2	1177.2	1021.1	996.5	971.9	922.6	870.6	928.1
32.5°	1913.6	1850.7	1659.0	1467.4	1371.6	1275.8	1152.6	1029.4	1018.4	1004.7	1021.1
35°	2039.6	1998.5	1919.1	1837.0	1672.7	1505.7	1349.7	1190.9	1138.9	1084.1	1095.1
37.5°	2064.2	2050.5	2034.1	2014.9	1847.9	1680.9	1511.2	1341.5	1286.7	1229.2	1188.1
40°	2083.4	2094.3	2124.4	2151.8	1984.8	1815.1	1661.8	1505.7	1448.2	1388.0	1316.8
42.5°	2171.0	2201.1	2239.4	2275.0	2121.7	1968.4	1834.2	1700.1	1626.2	1552.3	1486.6
45°	2373.6	2390.0	2431.0	2469.4	2324.3	2176.4	2023.1	1867.1	1804.1	1741.2	1675.5
47.5°	2669.2	2696.6	2693.9	2691.1	2529.6	2365.3	2192.9	2017.7	1976.6	1932.8	1869.8
50°	3041.5	3022.4	2970.4	2918.4	2743.1	2565.2	2362.6	2157.3	2138.1	2116.2	2064.2
52.5°	3227.7	3214.0	3142.8	3068.9	2891.0	2713.0	2494.0	2272.3	2296.9	2321.5	2272.3
55°	3238.7	3230.4	3178.4	3126.4	2953.9	2781.5	2587.1	2392.7	2452.9	2513.2	2494.0
57.5°	3159.3	3162.0	3145.6	3126.4	2973.1	2819.8	2658.3	2496.8	2600.8	2702.1	2721.2
60°	2956.7	2997.7	3025.1	3052.5	2956.7	2860.9	2721.2	2581.6	2740.4	2899.2	2951.2
62.5°	2581.6	2617.2	2715.8	2811.6	2830.7	2847.2	2754.1	2658.3	2871.8	3082.6	3167.5
65°	2001.2	2050.5	2198.3	2346.2	2499.5	2652.8	2674.7	2696.6	3058.0	3419.3	3490.5
67.5°	1248.4	1275.8	1431.8	1585.1	1894.5	2201.1	2376.3	2551.5	3175.7	3797.1	3909.4
70°	659.8	700.8	777.5	851.4	1117.0	1382.5	1738.4	2094.3	2997.7	3901.2	4361.1
72.5°	501.0	517.4	558.5	599.5	692.6	785.7	1010.2	1234.7	2346.2	3454.9	4514.4
75°	361.4	375.1	418.9	459.9	553.0	643.4	736.4	826.8	1448.2	2069.7	3742.4
77.5°	210.8	216.3	238.2	257.3	402.4	547.5	648.8	747.4	898.0	1045.8	2672.0
80°	145.1	147.8	156.0	164.3	227.2	290.2	484.6	678.9	747.4	813.1	1771.3
82.5°	95.8	109.5	115.0	120.5	142.4	164.3	284.7	402.4	591.3	777.5	1210.0
85°	49.3	54.8	65.7	73.9	84.9	93.1	128.7	161.5	490.0	815.8	870.6
87.5°	5.5	8.2	11.0	11.0	13.7	16.4	24.6	32.9	147.8	262.8	224.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6
2.5°	2102.5	2108.0	2105.3	2110.7	2113.5	2116.2	2119.0	2119.0	2116.2	2110.7	2105.3
5°	1730.2	1839.7	2025.9	2045.0	2064.2	2069.7	2075.2	2077.9	2072.4	2064.2	2056.0
7.5°	1650.8	1667.2	1500.2	1634.4	1765.8	1776.7	1785.0	1779.5	1782.2	1708.3	1631.6
10°	1229.2	1242.9	1248.4	1289.4	1327.8	1418.1	1508.5	1494.8	1483.8	1352.4	1218.3
12.5°	1103.3	1174.5	1190.9	1122.4	1054.0	1147.1	1240.2	1229.2	1210.0	1089.6	969.1
15°	884.3	810.3	969.1	1117.0	1262.1	1349.7	1434.5	1409.9	1388.0	1234.7	1078.6
17.5°	1026.6	1070.4	1018.4	1040.3	1062.2	1127.9	1190.9	1152.6	1138.9	1032.1	922.6
20°	928.1	925.3	889.7	1018.4	1147.1	1275.8	1401.7	1363.4	1297.7	1089.6	878.8
22.5°	865.1	1043.1	1119.7	1103.3	1084.1	1034.8	982.8	950.0	900.7	854.2	804.9
25°	955.4	881.5	941.8	1138.9	1333.2	1368.8	1404.4	1322.3	1215.5	1004.7	793.9
27.5°	914.4	1029.4	1106.0	1237.4	1366.1	1489.3	1612.5	1503.0	1363.4	1100.5	835.0
30°	985.6	1048.5	1262.1	1508.5	1754.8	1798.6	1839.7	1689.1	1503.0	1237.4	971.9
32.5°	1037.6	1204.6	1393.5	1585.1	1774.0	1806.9	1839.7	1670.0	1456.4	1163.5	870.6
35°	1103.3	1226.5	1398.9	1623.4	1847.9	1856.1	1861.6	1664.5	1423.6	1092.3	758.3
37.5°	1147.1	1286.7	1472.9	1711.0	1949.2	1932.8	1913.6	1689.1	1412.6	1043.1	673.5
40°	1245.6	1366.1	1565.9	1809.6	2053.2	2025.9	1998.5	1741.2	1415.4	993.8	569.4
42.5°	1418.1	1464.7	1680.9	1941.0	2201.1	2171.0	2138.1	1831.5	1448.2	966.4	481.8
45°	1607.0	1628.9	1815.1	2110.7	2406.4	2368.1	2329.8	1971.1	1508.5	952.7	397.0
47.5°	1804.1	1798.6	1971.1	2329.8	2685.7	2603.5	2521.4	2135.4	1620.7	980.1	339.5
50°	2009.4	2001.2	2168.2	2554.2	2940.3	2852.6	2765.0	2332.5	1749.4	1029.4	306.6
52.5°	2220.2	2239.4	2362.6	2765.0	3164.7	3085.3	3003.2	2546.0	1875.3	1084.1	292.9
55°	2472.1	2532.3	2581.6	2984.1	3386.5	3307.1	3225.0	2765.0	2050.5	1169.0	287.5
57.5°	2737.7	2817.1	2839.0	3205.8	3572.7	3520.6	3465.9	2973.1	2228.5	1267.5	303.9
60°	3003.2	3107.3	3186.6	3482.3	3775.2	3715.0	3654.8	3183.9	2395.5	1377.0	358.6
62.5°	3249.6	3394.7	3523.4	3739.7	3953.2	3882.0	3810.8	3367.3	2584.4	1527.6	468.1
65°	3559.0	3687.6	3827.3	3969.6	4109.2	4040.8	3972.4	3597.3	2836.2	1716.5	594.1
67.5°	4021.6	4060.0	4131.1	4218.7	4303.6	4262.5	4218.7	3879.3	3055.2	1826.0	594.1
70°	4818.3	4733.4	4626.7	4623.9	4618.4	4552.7	4484.3	4038.1	3068.9	1782.2	495.5
72.5°	5571.2	5861.3	5521.9	5275.5	5029.1	4738.9	4446.0	3824.5	2710.3	1552.3	394.2
75°	5412.4	6540.3	6376.0	5708.0	5040.0	4514.4	3988.8	3331.7	2231.2	1284.0	336.7
77.5°	4295.4	5771.0	5927.0	5313.8	4697.8	3986.0	3271.5	2576.1	1546.8	914.4	282.0
80°	2726.7	4314.6	4341.9	3772.5	3200.3	2436.5	1672.7	1122.4	744.6	484.6	224.5
82.5°	1642.6	2554.2	2223.0	1593.3	963.7	668.0	369.6	355.9	273.8	202.6	131.4
85°	925.3	1251.1	898.0	588.6	279.2	199.8	117.7	125.9	120.5	98.6	73.9
87.5°	183.4	216.3	147.8	84.9	21.9	21.9	19.2	19.2	13.7	13.7	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6	2132.6
2.5°	2105.3	2105.3	2099.8	2094.3	2091.6	2088.8	2006.7	1924.6	1869.8	1812.3	1798.6
5°	1954.7	1853.4	1776.7	1700.1	1683.7	1667.2	1664.5	1661.8	1653.6	1642.6	1639.9
7.5°	1544.0	1453.7	1516.7	1576.9	1565.9	1552.3	1544.0	1533.1	1513.9	1494.8	1398.9
10°	1188.1	1158.0	1158.0	1155.3	1133.4	1111.5	1160.8	1210.0	1264.8	1319.6	1314.1
12.5°	1012.9	1054.0	947.2	837.7	898.0	955.4	1010.2	1062.2	1089.6	1117.0	1032.1
15°	955.4	829.5	793.9	758.3	785.7	813.1	733.7	651.6	714.5	777.5	791.2
17.5°	856.9	791.2	755.6	717.3	613.2	506.5	542.1	577.6	574.9	572.2	558.5
20°	799.4	717.3	654.3	588.6	539.3	490.0	438.0	383.3	358.6	331.3	397.0
22.5°	761.1	717.3	585.9	454.5	416.1	377.8	336.7	292.9	309.4	323.0	334.0
25°	665.3	533.8	459.9	386.0	325.8	262.8	265.6	268.3	254.6	240.9	303.9
27.5°	673.5	509.2	394.2	279.2	257.3	232.7	219.0	202.6	224.5	243.7	249.1
30°	706.3	440.8	334.0	227.2	202.6	177.9	186.2	191.6	191.6	191.6	219.0
32.5°	626.9	383.3	284.7	183.4	169.7	153.3	156.0	156.0	169.7	183.4	197.1
35°	531.1	301.1	232.7	161.5	147.8	134.1	139.6	145.1	158.8	172.5	191.6
37.5°	457.2	238.2	191.6	145.1	136.9	128.7	131.4	134.1	147.8	158.8	175.2
40°	386.0	199.8	169.7	139.6	131.4	123.2	125.9	125.9	136.9	147.8	158.8
42.5°	334.0	183.4	161.5	136.9	128.7	117.7	120.5	120.5	128.7	136.9	145.1
45°	287.5	175.2	156.0	134.1	125.9	115.0	115.0	112.2	120.5	125.9	131.4
47.5°	257.3	172.5	153.3	134.1	123.2	109.5	106.8	104.0	112.2	117.7	125.9
50°	240.9	172.5	153.3	131.4	117.7	104.0	101.3	98.6	109.5	117.7	131.4
52.5°	235.4	175.2	153.3	131.4	115.0	98.6	98.6	98.6	117.7	136.9	142.4
55°	235.4	180.7	156.0	128.7	112.2	95.8	101.3	106.8	112.2	117.7	117.7
57.5°	240.9	177.9	150.6	123.2	112.2	98.6	95.8	93.1	95.8	98.6	98.6
60°	265.6	172.5	145.1	117.7	104.0	90.3	87.6	84.9	90.3	93.1	93.1
62.5°	320.3	169.7	145.1	117.7	101.3	84.9	84.9	82.1	84.9	87.6	90.3
65°	391.5	188.9	153.3	117.7	101.3	84.9	79.4	73.9	79.4	82.1	82.1
67.5°	407.9	221.8	177.9	131.4	106.8	82.1	76.7	71.2	76.7	79.4	79.4
70°	369.6	243.7	191.6	139.6	112.2	82.1	76.7	68.4	71.2	73.9	71.2
72.5°	317.6	238.2	188.9	136.9	109.5	79.4	73.9	65.7	68.4	68.4	65.7
75°	271.0	205.3	161.5	115.0	93.1	68.4	63.0	57.5	60.2	60.2	60.2
77.5°	227.2	169.7	131.4	90.3	73.9	54.8	52.0	49.3	52.0	54.8	52.0
80°	177.9	128.7	98.6	65.7	54.8	41.1	43.8	43.8	46.5	46.5	46.5
82.5°	104.0	76.7	63.0	46.5	38.3	30.1	32.9	35.6	38.3	38.3	38.3
85°	63.0	49.3	41.1	32.9	27.4	19.2	24.6	27.4	27.4	27.4	24.6
87.5°	11.0	11.0	11.0	11.0	8.2	5.5	11.0	13.7	13.7	13.7	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):

	165°	170°	175°	180°
0°	2132.6	2132.6	2132.6	2132.6
2.5°	1782.2	1782.2	1779.5	1779.5
5°	1637.1	1631.6	1626.2	1631.6
7.5°	1303.1	1264.8	1226.5	1237.4
10°	1305.9	1303.1	1300.4	1297.7
12.5°	944.5	914.4	884.3	865.1
15°	802.1	793.9	783.0	783.0
17.5°	542.1	517.4	492.8	476.4
20°	462.7	476.4	487.3	492.8
22.5°	344.9	355.9	366.8	372.3
25°	364.1	391.5	416.1	418.9
27.5°	251.9	265.6	276.5	271.0
30°	246.4	254.6	262.8	262.8
32.5°	210.8	232.7	254.6	257.3
35°	210.8	221.8	232.7	235.4
37.5°	188.9	197.1	202.6	205.3
40°	169.7	175.2	177.9	177.9
42.5°	150.6	164.3	175.2	175.2
45°	134.1	169.7	205.3	216.3
47.5°	131.4	183.4	235.4	246.4
50°	142.4	191.6	238.2	243.7
52.5°	145.1	172.5	197.1	197.1
55°	115.0	128.7	139.6	136.9
57.5°	98.6	109.5	117.7	117.7
60°	93.1	106.8	117.7	120.5
62.5°	90.3	95.8	101.3	106.8
65°	82.1	82.1	82.1	82.1
67.5°	76.7	76.7	73.9	73.9
70°	68.4	68.4	68.4	68.4
72.5°	63.0	63.0	63.0	60.2
75°	57.5	57.5	54.8	54.8
77.5°	49.3	49.3	49.3	49.3
80°	43.8	43.8	41.1	41.1
82.5°	35.6	35.6	32.9	30.1
85°	21.9	21.9	19.2	16.4
87.5°	8.2	8.2	5.5	2.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)