

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: P560686

Luminaire Tested: **SDL-PA1-60-727-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-14)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-727-U-SL3-HSS
Description: Springdale
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5234.3 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.4
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

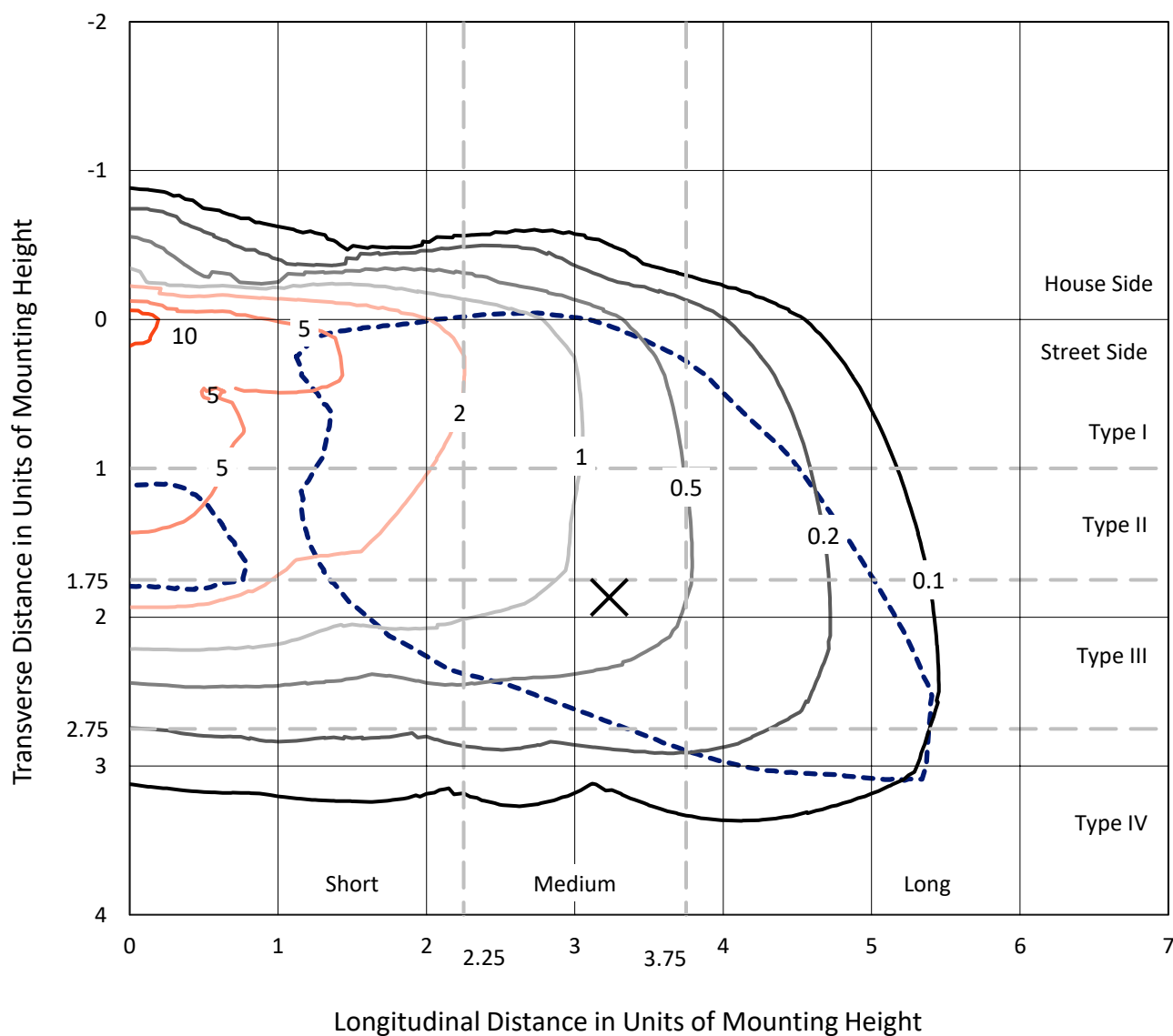


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

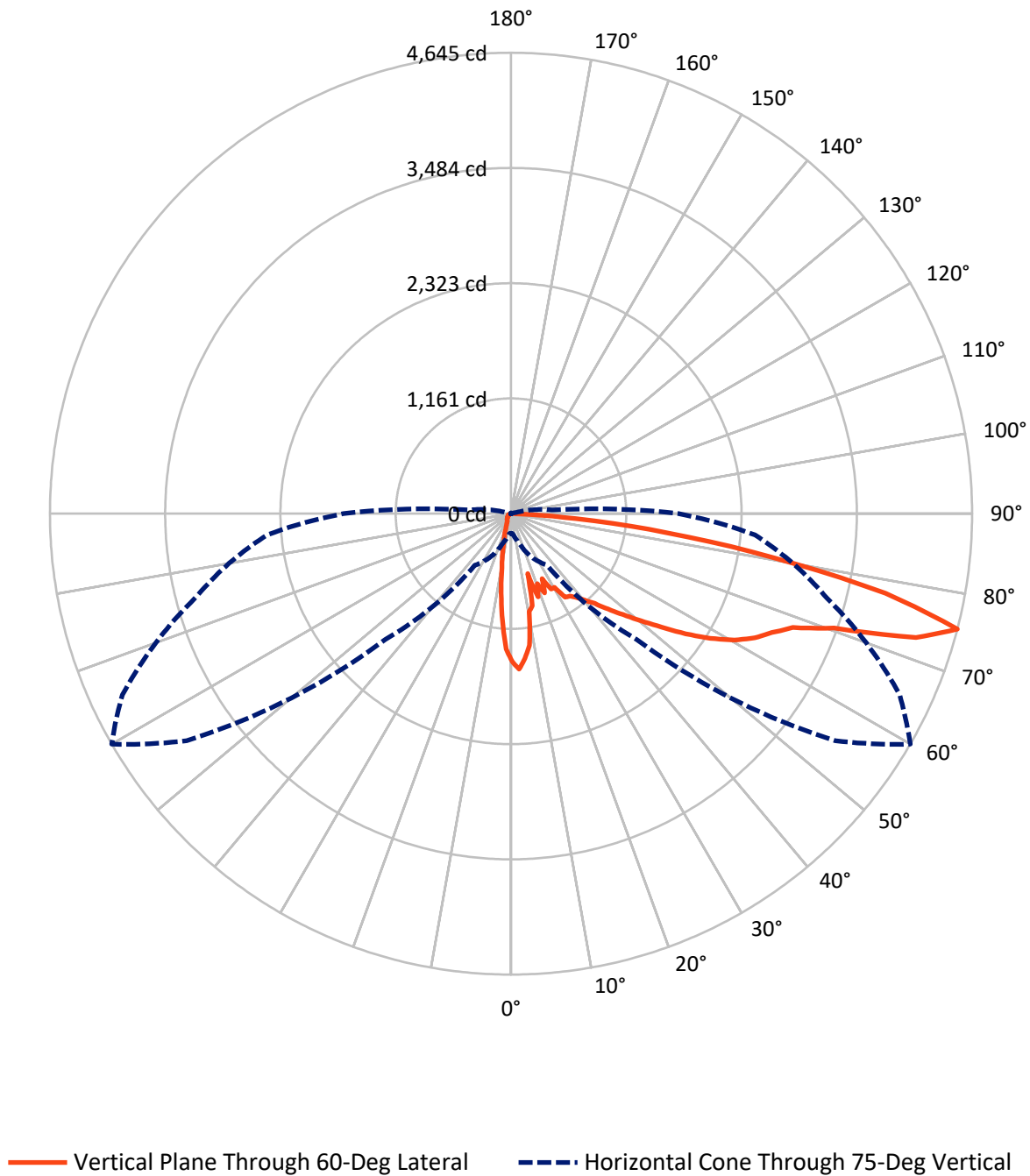


Based on 10 foot mounting height. Maximum calculated value = 14.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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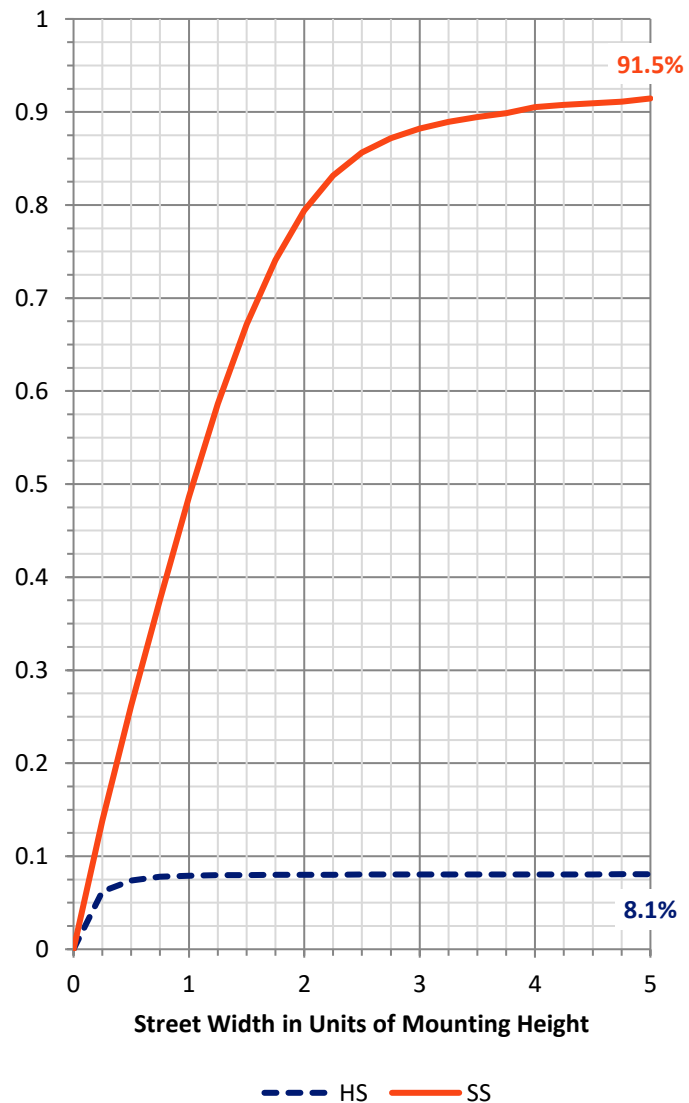
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	426.4	0.0	426.4
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	4807.9	0.0	4807.9
	% Fixture	91.9	0.0	91.9
Total	Lumens	5234.3	0.0	5234.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.2	2.0
10°-20°	171.3	3.3
20°-30°	245.4	4.7
30°-40°	436.9	8.3
40°-50°	719.1	13.7
50°-60°	1108.7	21.2
60°-70°	1292.2	24.7
70°-80°	1001.3	19.1
80°-90°	156.3	3.0
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°	5234.3	100.0
0°-180°	5234.3	100.0

Coefficient of Utilization



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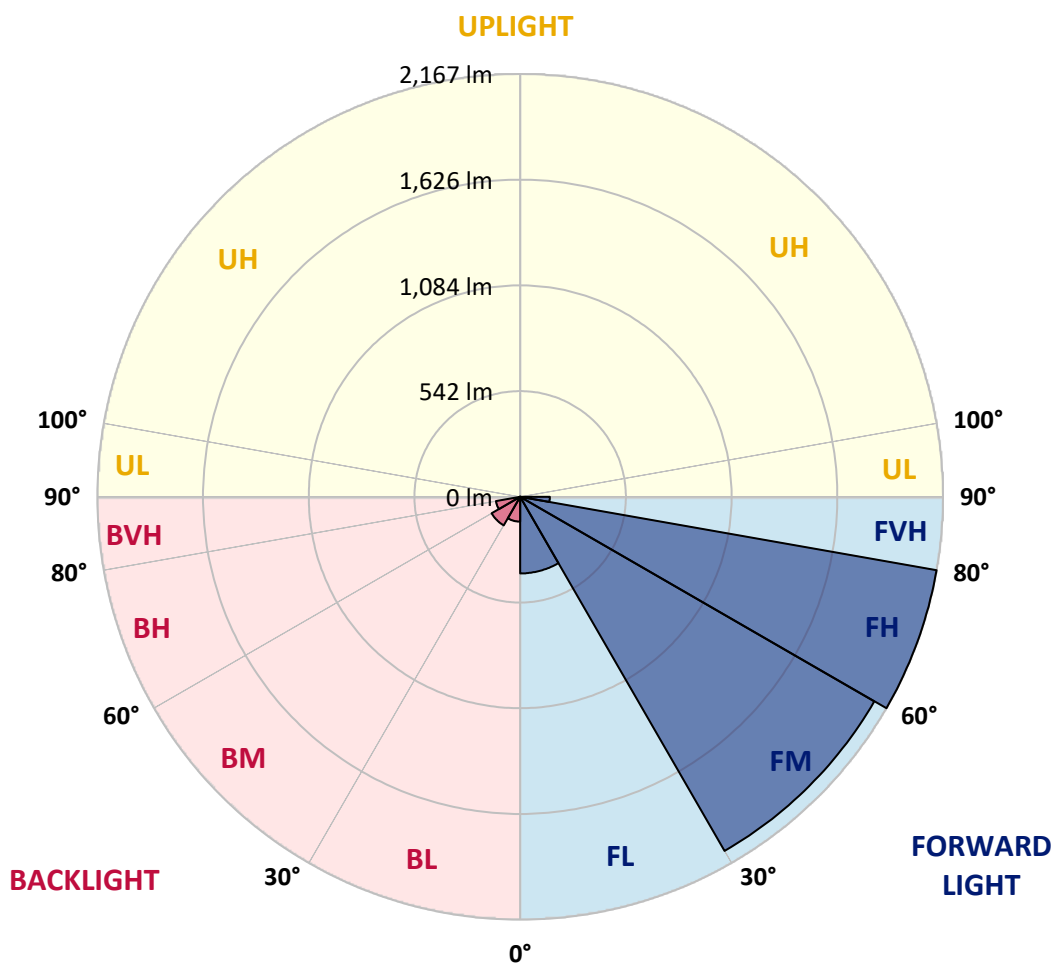
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	392.7	7.5			
FM	(30°-60°)	2095.8	40.0			
FH	(60°-80°)	2167.4	41.4			G2/5000
FVH	(80°-90°)	152.0	2.9			G2/225
BL	(0°-30°)	127.1	2.4	B1/500		
BM	(30°-60°)	168.8	3.2	B0/220		
BH	(60°-80°)	126.1	2.4	B1/500		G1/500
BVH	(80°-90°)	4.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1491.6	1491.6	1491.6	1491.6	1491.6	1491.6	1491.6	1491.6	1491.6	1491.6	1491.6
2.5°	1393.8	1446.1	1477.9	1507.5	1546.1	1584.8	1587.1	1589.3	1589.3	1589.3	1587.1
5°	1346.0	1350.6	1350.6	1350.6	1357.4	1364.2	1368.8	1371.1	1373.3	1373.3	1371.1
7.5°	1052.7	1136.9	1189.2	1239.2	1252.8	1266.5	1284.7	1300.6	1314.2	1325.6	1334.7
10°	1166.4	1175.5	1175.5	1173.2	1184.6	1193.7	1105.0	1014.1	1050.5	1086.8	1041.4
12.5°	900.4	945.9	1002.7	1057.3	1093.7	1130.0	1089.1	1048.2	984.5	918.6	914.0
15°	1052.7	1059.6	1061.8	1064.1	1002.7	939.1	864.0	786.7	839.0	891.3	816.3
17.5°	809.4	816.3	879.9	943.6	950.4	957.2	909.5	859.5	750.3	641.2	743.5
20°	968.6	973.2	973.2	973.2	852.6	732.1	741.2	748.1	782.2	816.3	791.3
22.5°	779.9	770.8	775.3	777.6	814.0	848.1	777.6	704.9	757.2	807.2	764.0
25°	975.4	977.7	964.1	948.1	841.3	732.1	770.8	807.2	745.8	682.1	743.5
27.5°	882.2	873.1	841.3	809.4	825.4	841.3	768.5	693.5	752.6	809.4	782.2
30°	1161.9	1157.3	1116.4	1073.2	945.9	816.3	802.6	786.7	752.6	716.2	764.0
32.5°	1550.7	1496.1	1343.8	1189.2	1109.6	1027.7	927.7	827.6	839.0	848.1	854.9
35°	1637.1	1612.1	1546.1	1480.2	1357.4	1232.4	1095.9	957.2	925.4	893.6	911.8
37.5°	1659.8	1650.7	1641.6	1630.3	1484.7	1339.2	1202.8	1064.1	1039.1	1011.8	991.3
40°	1682.6	1691.7	1718.9	1744.0	1607.5	1471.1	1343.8	1214.2	1184.6	1155.1	1102.8
42.5°	1773.5	1780.3	1821.3	1862.2	1730.3	1596.2	1484.7	1373.3	1330.1	1286.9	1239.2
45°	1966.8	1973.6	1996.3	2019.1	1896.3	1771.2	1648.5	1523.4	1489.3	1452.9	1398.3
47.5°	2235.1	2241.9	2230.5	2219.2	2078.2	1934.9	1789.4	1643.9	1632.5	1621.2	1564.3
50°	2542.0	2532.9	2471.5	2410.2	2255.5	2100.9	1930.4	1757.6	1766.7	1775.8	1734.9
52.5°	2683.0	2678.5	2608.0	2537.5	2378.3	2216.9	2039.5	1859.9	1891.7	1921.3	1898.6
55°	2673.9	2671.6	2623.9	2576.1	2426.1	2276.0	2110.0	1944.0	2016.8	2087.3	2073.6
57.5°	2573.9	2578.4	2571.6	2564.8	2432.9	2301.0	2166.9	2032.7	2141.9	2248.7	2266.9
60°	2417.0	2417.0	2451.1	2482.9	2405.6	2326.0	2214.6	2100.9	2251.0	2401.1	2446.5
62.5°	2089.6	2125.9	2198.7	2271.5	2296.5	2321.5	2230.5	2139.6	2346.5	2553.4	2619.3
65°	1609.8	1625.7	1757.6	1889.5	2012.3	2132.8	2139.6	2146.4	2462.5	2776.2	2799.0
67.5°	934.5	1000.4	1146.0	1289.2	1530.2	1769.0	1891.7	2014.5	2512.5	3008.1	3033.2
70°	491.1	518.4	588.9	657.1	873.1	1086.8	1391.5	1693.9	2396.5	3096.8	3315.1
72.5°	336.5	361.5	400.2	438.8	520.7	600.3	818.5	1034.5	1907.7	2780.8	3458.3
75°	197.8	204.6	252.4	300.1	388.8	477.5	557.1	634.4	1214.2	1791.7	2889.9
77.5°	79.6	86.4	106.9	127.3	252.4	375.2	457.0	538.9	677.6	816.3	1985.0
80°	43.2	43.2	52.3	59.1	113.7	166.0	307.0	447.9	516.1	584.3	1286.9
82.5°	25.0	25.0	31.8	36.4	56.8	77.3	175.1	272.8	402.5	529.8	868.6
85°	9.1	9.1	11.4	13.6	27.3	38.7	63.7	86.4	250.1	411.5	500.2
87.5°	2.3	2.3	4.5	4.5	6.8	9.1	11.4	11.4	9.1	6.8	45.5
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°	1491.6	1491.6	1491.6	1491.6	1491.6	1491.6	1491.6	1491.6	1491.6	1491.6	1491.6
2.5°	1582.5	1568.9	1559.8	1543.9	1527.9	1514.3	1498.4	1477.9	1462.0	1441.5	1421.1
5°	1368.8	1464.3	1562.1	1553.0	1541.6	1509.8	1477.9	1441.5	1407.4	1366.5	1325.6
7.5°	1341.5	1339.2	1246.0	1293.8	1339.2	1302.8	1266.5	1225.5	1180.1	1100.5	1020.9
10°	995.9	1002.7	1000.4	1011.8	1023.2	1052.7	1080.0	1020.9	964.1	839.0	711.7
12.5°	909.5	952.7	964.1	886.8	809.4	841.3	873.1	814.0	757.2	641.2	525.2
15°	739.0	627.6	786.7	891.3	993.6	1009.5	1023.2	945.9	854.9	695.8	534.3
17.5°	843.6	882.2	836.7	839.0	839.0	841.3	843.6	773.1	682.1	561.6	441.1
20°	766.2	754.9	759.4	834.5	909.5	959.5	1007.3	900.4	784.4	598.0	409.3
22.5°	720.8	868.6	932.2	900.4	868.6	789.0	707.1	625.3	529.8	436.6	341.1
25°	802.6	725.3	775.3	898.1	1020.9	1020.9	1020.9	879.9	723.0	523.0	322.9
27.5°	754.9	861.7	911.8	1009.5	1105.0	1146.0	1184.6	1005.0	798.1	550.2	300.1
30°	811.7	861.7	1039.1	1234.6	1430.2	1396.1	1359.7	1130.0	868.6	577.5	286.5
32.5°	861.7	1002.7	1159.6	1307.4	1455.2	1416.5	1375.6	1121.0	827.6	520.7	213.7
35°	930.0	1020.9	1166.4	1346.0	1525.7	1466.6	1405.2	1125.5	795.8	477.5	159.2
37.5°	970.9	1070.9	1227.8	1416.5	1603.0	1530.2	1457.5	1146.0	768.5	445.7	122.8
40°	1048.2	1148.2	1305.1	1502.9	1700.8	1616.6	1530.2	1182.3	752.6	427.5	102.3
42.5°	1191.4	1236.9	1412.0	1621.2	1830.4	1741.7	1650.7	1259.6	748.1	418.4	88.7
45°	1341.5	1371.1	1525.7	1759.9	1991.8	1900.8	1807.6	1355.1	764.0	425.2	84.1
47.5°	1505.2	1521.1	1662.1	1953.1	2244.2	2119.1	1994.1	1487.0	798.1	438.8	79.6
50°	1693.9	1693.9	1830.4	2144.1	2457.9	2328.3	2198.7	1641.6	841.3	459.3	77.3
52.5°	1873.6	1898.6	2003.2	2323.8	2644.4	2523.8	2401.1	1812.2	898.1	486.6	72.8
55°	2057.7	2137.3	2176.0	2503.4	2830.8	2692.1	2553.4	1937.2	932.2	500.2	68.2
57.5°	2285.1	2369.2	2389.7	2667.1	2944.5	2810.3	2673.9	2044.1	957.2	511.6	65.9
60°	2492.0	2587.5	2628.4	2833.1	3035.4	2896.7	2758.0	2137.3	980.0	520.7	59.1
62.5°	2683.0	2755.8	2819.4	2951.3	3083.2	2953.6	2821.7	2219.2	993.6	523.0	52.3
65°	2821.7	2887.6	2978.6	3053.6	3128.7	3030.9	2933.1	2360.1	1032.3	536.6	38.7
67.5°	3055.9	3062.7	3115.0	3176.4	3237.8	3185.5	3133.2	2555.7	1077.7	554.8	29.6
70°	3531.1	3453.8	3385.6	3447.0	3506.1	3433.3	3360.6	2612.5	973.2	497.9	22.7
72.5°	4135.9	4265.5	3935.8	3808.5	3678.9	3410.6	3140.0	2248.7	691.2	354.7	18.2
75°	3988.1	4645.2	4320.1	3808.5	3296.9	2883.1	2467.0	1687.1	425.2	220.6	13.6
77.5°	3151.4	3856.2	3740.3	3212.8	2683.0	2173.7	1664.4	1036.8	150.1	81.9	13.6
80°	1989.5	2667.1	2567.0	2087.3	1605.3	1141.4	677.6	316.0	56.8	36.4	15.9
82.5°	1207.4	1589.3	1248.3	782.2	316.0	222.8	129.6	68.2	18.2	15.9	13.6
85°	586.6	657.1	429.7	247.8	63.7	59.1	52.3	34.1	9.1	9.1	6.8
87.5°	81.9	59.1	36.4	25.0	11.4	11.4	11.4	6.8	6.8	6.8	4.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1491.6	1491.6	1491.6	1491.6	1491.6	1491.6	1491.6	1491.6	1491.6	1491.6	1491.6
2.5°	1405.2	1387.0	1366.5	1346.0	1323.3	1300.6	1234.6	1166.4	1130.0	1091.4	1082.3
5°	1250.6	1175.5	1082.3	986.8	945.9	904.9	884.5	861.7	848.1	832.2	818.5
7.5°	916.3	809.4	809.4	807.2	773.1	739.0	700.3	659.4	634.4	609.4	543.4
10°	654.8	595.7	554.8	513.9	497.9	482.0	432.0	379.7	384.3	386.5	372.9
12.5°	507.0	486.6	411.5	336.5	311.5	286.5	270.6	254.7	231.9	209.2	193.3
15°	434.3	334.2	277.4	220.6	195.5	168.3	145.5	120.5	113.7	104.6	116.0
17.5°	357.0	270.6	216.0	161.4	125.1	88.7	93.2	97.8	106.9	116.0	120.5
20°	307.0	204.6	156.9	109.1	97.8	86.4	90.9	93.2	90.9	86.4	100.0
22.5°	250.1	159.2	120.5	79.6	81.9	84.1	77.3	70.5	84.1	97.8	97.8
25°	213.7	104.6	93.2	81.9	75.0	68.2	77.3	84.1	79.6	75.0	86.4
27.5°	195.5	90.9	79.6	68.2	70.5	72.8	70.5	65.9	72.8	79.6	77.3
30°	186.4	84.1	77.3	68.2	65.9	61.4	63.7	63.7	61.4	59.1	65.9
32.5°	150.1	86.4	75.0	61.4	59.1	54.6	52.3	50.0	52.3	54.6	56.8
35°	120.5	79.6	70.5	59.1	54.6	50.0	47.7	43.2	43.2	43.2	45.5
37.5°	97.8	72.8	63.7	52.3	47.7	43.2	40.9	36.4	36.4	36.4	36.4
40°	86.4	68.2	59.1	47.7	43.2	36.4	34.1	29.6	29.6	27.3	27.3
42.5°	75.0	61.4	52.3	40.9	36.4	31.8	27.3	22.7	22.7	20.5	20.5
45°	70.5	56.8	47.7	38.7	31.8	25.0	22.7	18.2	18.2	15.9	15.9
47.5°	68.2	54.6	45.5	34.1	27.3	20.5	18.2	13.6	13.6	13.6	13.6
50°	63.7	50.0	40.9	29.6	25.0	18.2	15.9	11.4	11.4	11.4	11.4
52.5°	61.4	47.7	36.4	25.0	20.5	13.6	11.4	9.1	9.1	9.1	9.1
55°	59.1	50.0	36.4	22.7	18.2	11.4	9.1	6.8	6.8	6.8	6.8
57.5°	56.8	47.7	34.1	18.2	13.6	9.1	6.8	4.5	4.5	4.5	4.5
60°	50.0	40.9	27.3	13.6	11.4	6.8	4.5	2.3	4.5	4.5	4.5
62.5°	43.2	31.8	22.7	11.4	9.1	4.5	4.5	2.3	4.5	4.5	4.5
65°	31.8	25.0	18.2	9.1	6.8	2.3	2.3	2.3	4.5	4.5	4.5
67.5°	25.0	18.2	13.6	6.8	4.5	2.3	2.3	2.3	4.5	4.5	4.5
70°	18.2	13.6	9.1	4.5	4.5	2.3	2.3	2.3	4.5	4.5	4.5
72.5°	13.6	9.1	6.8	4.5	4.5	2.3	4.5	4.5	4.5	4.5	4.5
75°	11.4	9.1	6.8	4.5	4.5	2.3	4.5	4.5	6.8	6.8	6.8
77.5°	11.4	6.8	6.8	4.5	4.5	2.3	4.5	6.8	6.8	6.8	6.8
80°	11.4	6.8	6.8	4.5	4.5	2.3	4.5	6.8	6.8	6.8	6.8
82.5°	11.4	6.8	6.8	4.5	4.5	2.3	4.5	6.8	6.8	6.8	6.8
85°	6.8	6.8	6.8	6.8	4.5	2.3	6.8	9.1	9.1	6.8	6.8
87.5°	4.5	4.5	6.8	6.8	4.5	2.3	6.8	9.1	9.1	6.8	6.8
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°	1491.6	1491.6	1491.6	1491.6
2.5°	1070.9	1059.6	1045.9	1073.2
5°	804.9	795.8	786.7	802.6
7.5°	477.5	479.8	479.8	454.7
10°	357.0	336.5	313.8	313.8
12.5°	177.4	163.7	150.1	147.8
15°	127.3	129.6	131.9	131.9
17.5°	125.1	120.5	113.7	109.1
20°	111.4	116.0	118.2	118.2
22.5°	97.8	95.5	90.9	90.9
25°	97.8	100.0	102.3	102.3
27.5°	75.0	75.0	72.8	72.8
30°	72.8	72.8	72.8	72.8
32.5°	56.8	59.1	59.1	59.1
35°	47.7	47.7	47.7	47.7
37.5°	36.4	36.4	36.4	34.1
40°	27.3	27.3	27.3	27.3
42.5°	20.5	20.5	20.5	20.5
45°	15.9	15.9	15.9	15.9
47.5°	13.6	13.6	11.4	11.4
50°	9.1	9.1	9.1	9.1
52.5°	6.8	6.8	6.8	6.8
55°	4.5	4.5	4.5	4.5
57.5°	4.5	4.5	4.5	4.5
60°	2.3	2.3	2.3	2.3
62.5°	2.3	2.3	2.3	2.3
65°	2.3	2.3	2.3	2.3
67.5°	2.3	2.3	2.3	2.3
70°	2.3	2.3	2.3	2.3
72.5°	4.5	4.5	2.3	2.3
75°	4.5	4.5	2.3	2.3
77.5°	4.5	4.5	2.3	2.3
80°	4.5	4.5	2.3	2.3
82.5°	4.5	4.5	2.3	2.3
85°	4.5	4.5	4.5	2.3
87.5°	4.5	4.5	4.5	2.3
90°	0.0	0.0	0.0	0.0

(END OF REPORT)