

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: P561148

Luminaire Tested: **SDL-PA1-80-827-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561148
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-PA1-80-827-U-SL3-HSS
Description: Springdale
(1) 80 CRI, 2700K, 1050mA 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: 5727.5 lumens
Efficiency: N/A
Efficacy: 69.8 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

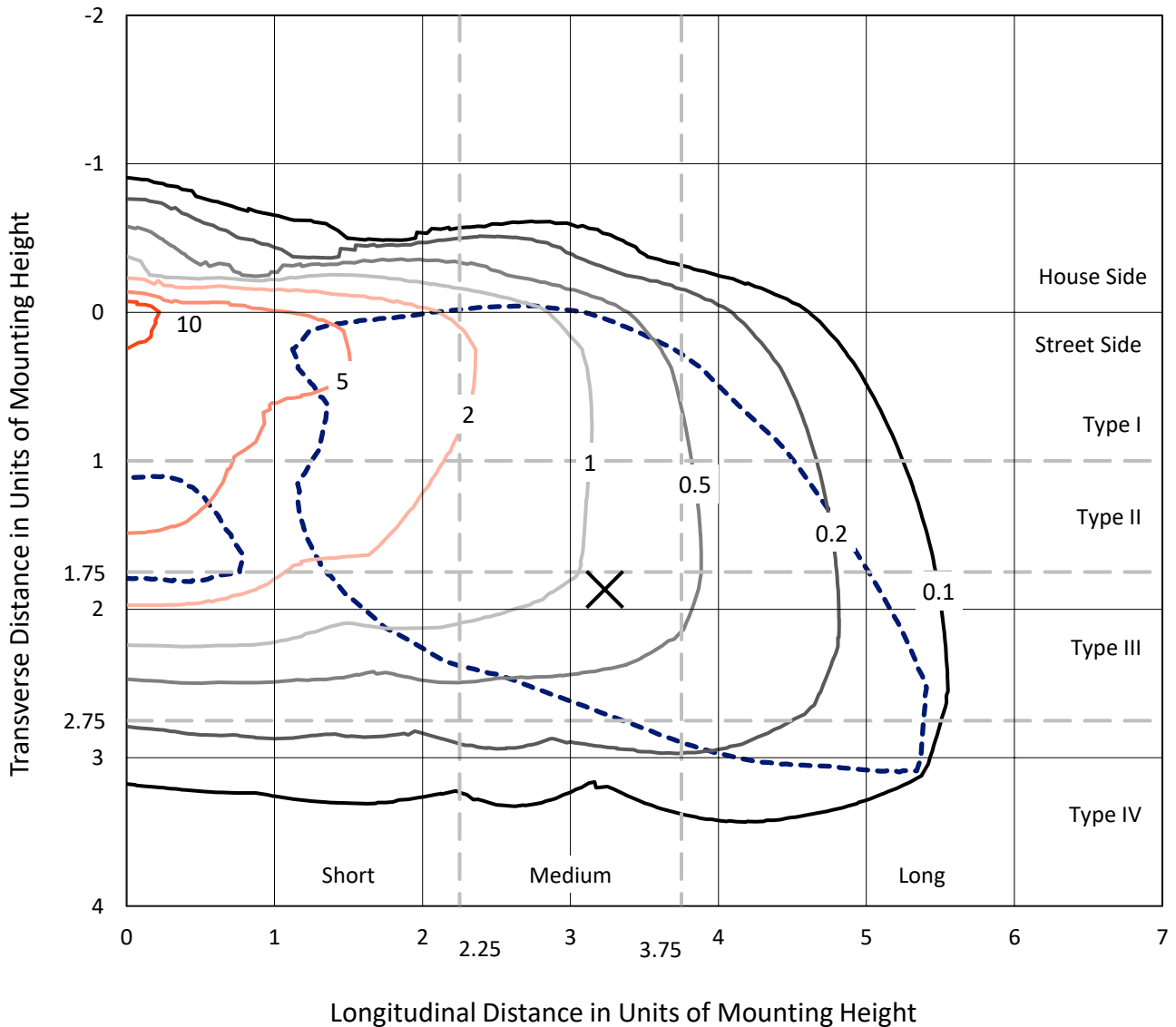
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

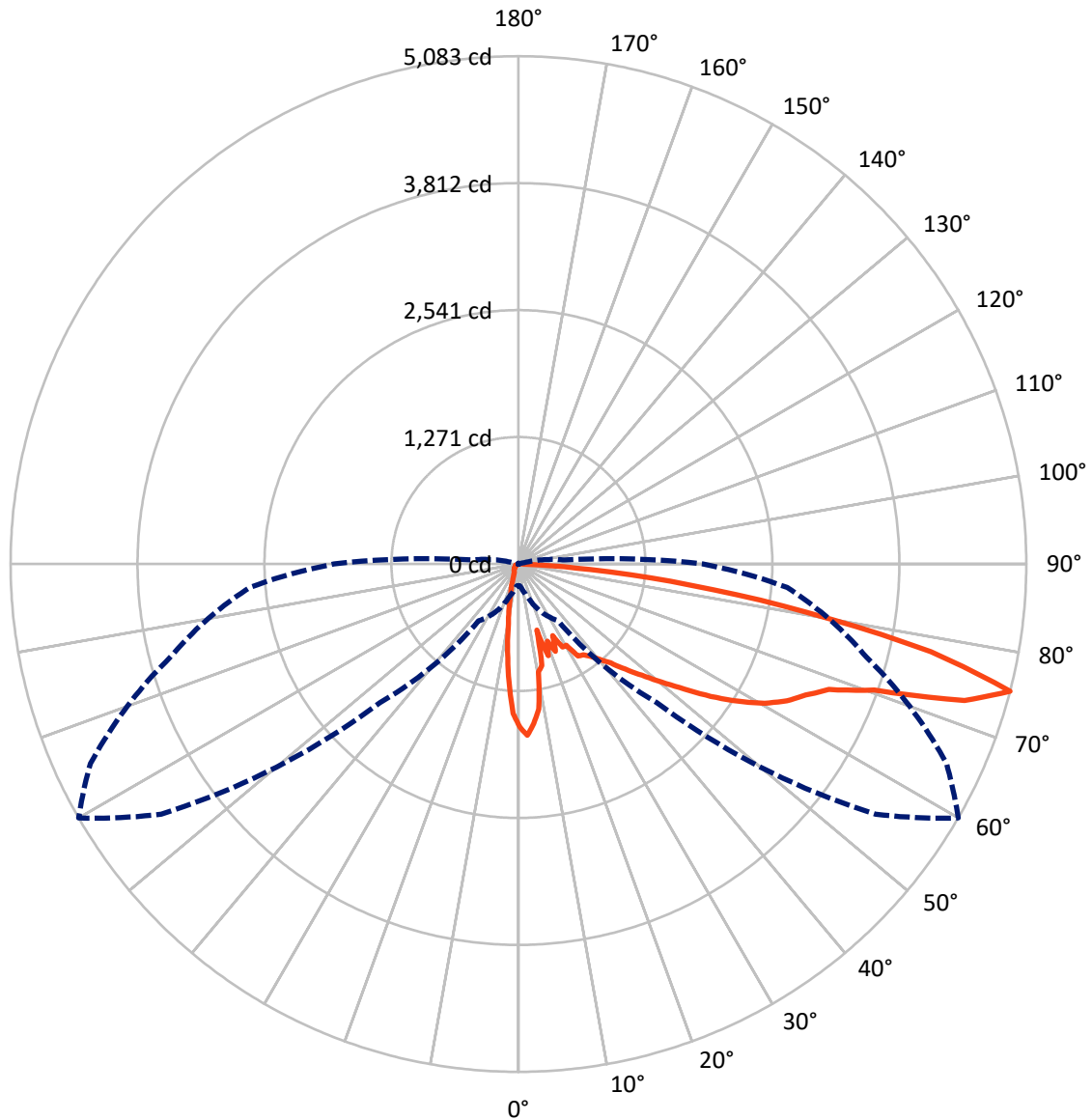
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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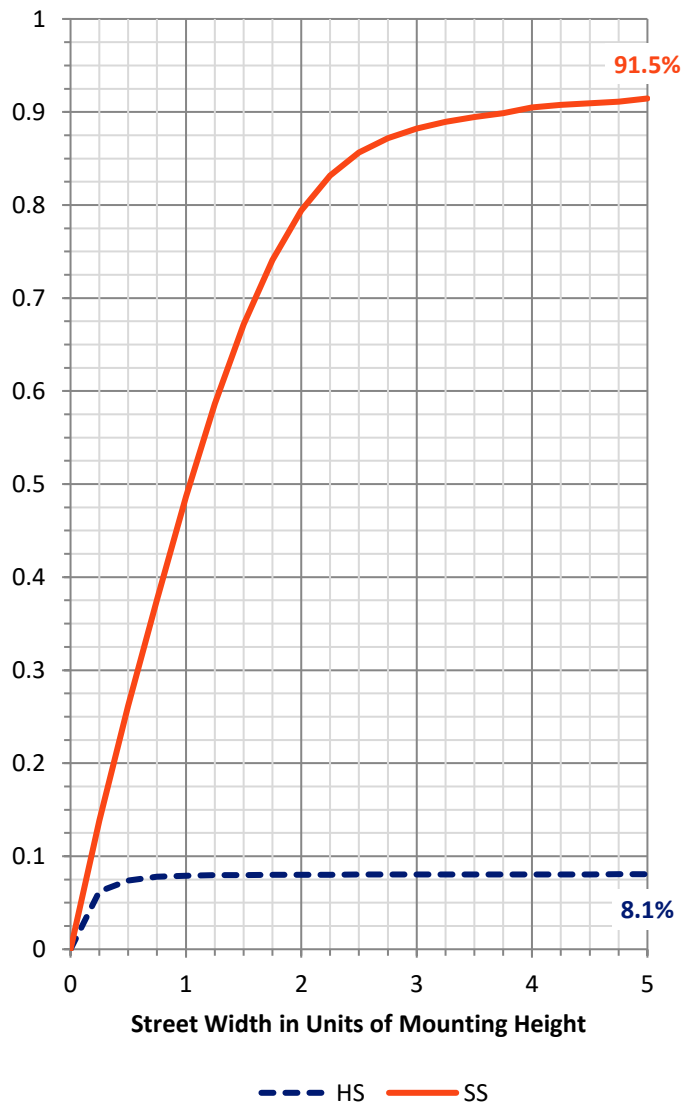
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	466.6	0.0	466.6
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	5260.9	0.0	5260.9
	% Fixture	91.9	0.0	91.9
Total	Lumens	5727.5	0.0	5727.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.9	2.0
10°-20°	187.4	3.3
20°-30°	268.5	4.7
30°-40°	478.0	8.3
40°-50°	786.8	13.7
50°-60°	1213.2	21.2
60°-70°	1413.9	24.7
70°-80°	1095.7	19.1
80°-90°	171.1	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°	5727.5	100.0
0°-180°	5727.5	100.0

Coefficient of Utilization



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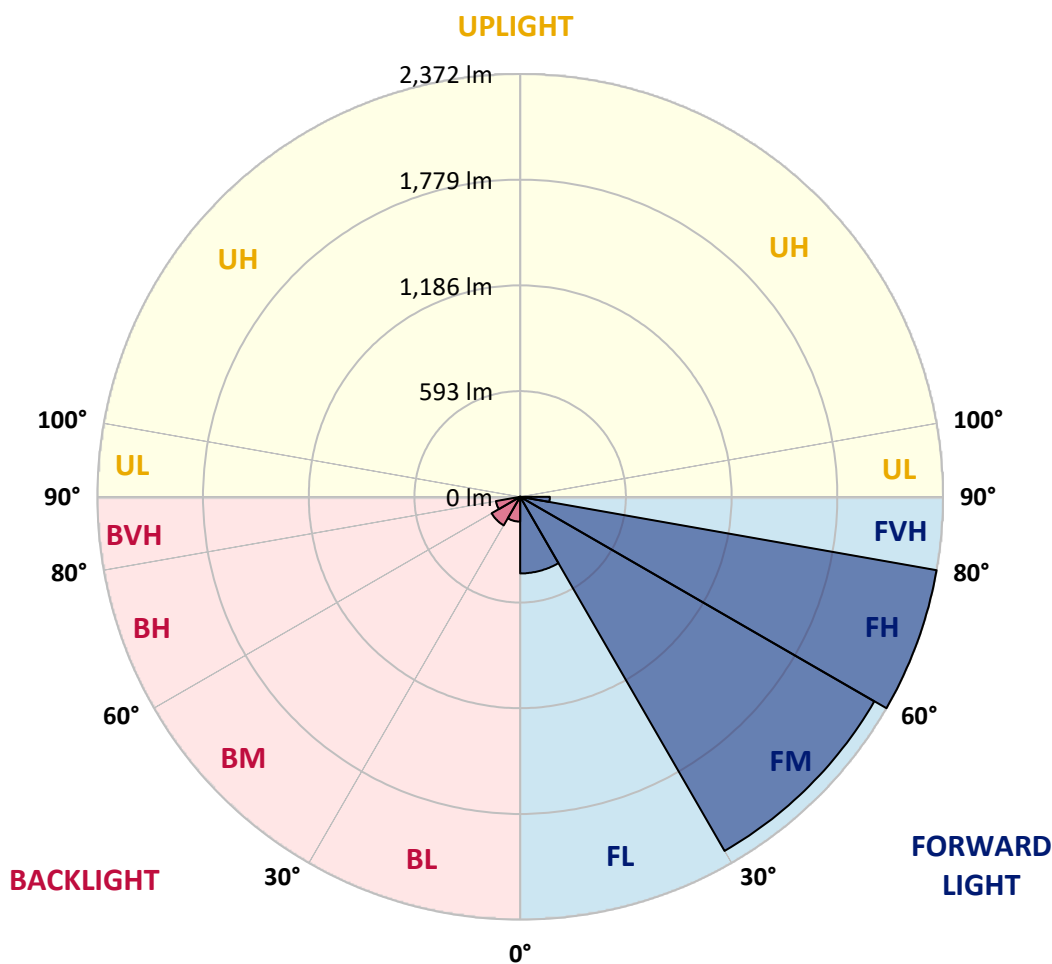
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	429.7	7.5			
FM (30°-60°)	2293.3	40.0			
FH (60°-80°)	2371.6	41.4			G2/5000
FVH (80°-90°)	166.4	2.9			G2/225
BL (0°-30°)	139.1	2.4	B1/500		
BM (30°-60°)	184.7	3.2	B0/220		
BH (60°-80°)	138.1	2.4	B1/500		G1/500
BVH (80°-90°)	4.7	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°	1632.1	1632.1	1632.1	1632.1	1632.1	1632.1	1632.1	1632.1	1632.1	1632.1	1632.1
2.5°	1525.1	1582.3	1617.2	1649.5	1691.8	1734.1	1736.6	1739.1	1739.1	1739.1	1736.6
5°	1472.9	1477.8	1477.8	1477.8	1485.3	1492.8	1497.7	1500.2	1502.7	1502.7	1500.2
7.5°	1151.9	1244.0	1301.2	1355.9	1370.9	1385.8	1405.7	1423.1	1438.0	1450.5	1460.4
10°	1276.3	1286.3	1286.3	1283.8	1296.2	1306.2	1209.1	1109.6	1149.4	1189.2	1139.5
12.5°	985.2	1035.0	1097.2	1156.9	1196.7	1236.5	1191.7	1146.9	1077.3	1005.1	1000.2
15°	1151.9	1159.4	1161.9	1164.4	1097.2	1027.5	945.4	860.8	918.1	975.3	893.2
17.5°	885.7	893.2	962.8	1032.5	1040.0	1047.4	995.2	940.4	821.0	701.6	813.6
20°	1059.9	1064.8	1064.8	1064.8	933.0	801.1	811.1	818.5	855.9	893.2	865.8
22.5°	853.4	843.4	848.4	850.9	890.7	928.0	850.9	771.3	828.5	883.2	836.0
25°	1067.3	1069.8	1054.9	1037.5	920.5	801.1	843.4	883.2	816.0	746.4	813.6
27.5°	965.3	955.4	920.5	885.7	903.1	920.5	840.9	758.8	823.5	885.7	855.9
30°	1271.3	1266.4	1221.6	1174.3	1035.0	893.2	878.2	860.8	823.5	783.7	836.0
32.5°	1696.8	1637.1	1470.4	1301.2	1214.1	1124.6	1015.1	905.6	918.1	928.0	935.5
35°	1791.3	1764.0	1691.8	1619.7	1485.3	1348.5	1199.2	1047.4	1012.6	977.8	997.7
37.5°	1816.2	1806.3	1796.3	1783.9	1624.6	1465.4	1316.1	1164.4	1137.0	1107.1	1084.7
40°	1841.1	1851.0	1880.9	1908.3	1759.0	1609.7	1470.4	1328.6	1296.2	1263.9	1206.7
42.5°	1940.6	1948.1	1992.8	2037.6	1893.3	1746.5	1624.6	1502.7	1455.5	1408.2	1355.9
45°	2152.1	2159.5	2184.4	2209.3	2075.0	1938.1	1803.8	1666.9	1629.6	1589.8	1530.1
47.5°	2445.7	2453.1	2440.7	2428.2	2274.0	2117.2	1958.0	1798.8	1786.3	1773.9	1711.7
50°	2781.5	2771.6	2704.4	2637.2	2468.0	2298.9	2112.3	1923.2	1933.1	1943.1	1898.3
52.5°	2935.8	2930.8	2853.7	2776.6	2602.4	2425.8	2231.7	2035.1	2070.0	2102.3	2077.4
55°	2925.8	2923.3	2871.1	2818.8	2654.6	2490.4	2308.8	2127.2	2206.8	2283.9	2269.0
57.5°	2816.4	2821.3	2813.9	2806.4	2662.1	2517.8	2371.0	2224.2	2343.6	2460.6	2480.5
60°	2644.7	2644.7	2682.0	2716.8	2632.3	2545.2	2423.3	2298.9	2463.1	2627.3	2677.0
62.5°	2286.4	2326.2	2405.8	2485.5	2512.8	2540.2	2440.7	2341.2	2567.6	2794.0	2866.1
65°	1761.5	1778.9	1923.2	2067.5	2201.8	2333.7	2341.2	2348.6	2694.4	3037.8	3062.7
67.5°	1022.5	1094.7	1253.9	1410.7	1674.4	1935.6	2070.0	2204.3	2749.2	3291.6	3318.9
70°	537.4	567.3	644.4	719.0	955.4	1189.2	1522.6	1853.5	2622.3	3388.6	3627.4
72.5°	368.2	395.6	437.9	480.2	569.7	656.8	895.7	1132.0	2087.4	3042.8	3784.2
75°	216.5	223.9	276.2	328.4	425.4	522.5	609.5	694.1	1328.6	1960.5	3162.2
77.5°	87.1	94.5	116.9	139.3	276.2	410.5	500.1	589.6	741.4	893.2	2172.0
80°	47.3	47.3	57.2	64.7	124.4	181.6	335.9	490.1	564.8	639.4	1408.2
82.5°	27.4	27.4	34.8	39.8	62.2	84.6	191.6	298.6	440.4	579.7	950.4
85°	10.0	10.0	12.4	14.9	29.9	42.3	69.7	94.5	273.7	450.3	547.3
87.5°	2.5	2.5	5.0	5.0	7.5	10.0	12.4	12.4	10.0	7.5	49.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1632.1	1632.1	1632.1	1632.1	1632.1	1632.1	1632.1	1632.1	1632.1	1632.1	1632.1
2.5°	1731.6	1716.7	1706.7	1689.3	1671.9	1657.0	1639.6	1617.2	1599.8	1577.4	1555.0
5°	1497.7	1602.2	1709.2	1699.3	1686.8	1652.0	1617.2	1577.4	1540.0	1495.3	1450.5
7.5°	1467.9	1465.4	1363.4	1415.6	1465.4	1425.6	1385.8	1341.0	1291.2	1204.2	1117.1
10°	1089.7	1097.2	1094.7	1107.1	1119.6	1151.9	1181.8	1117.1	1054.9	918.1	778.7
12.5°	995.2	1042.5	1054.9	970.3	885.7	920.5	955.4	890.7	828.5	701.6	574.7
15°	808.6	686.7	860.8	975.3	1087.2	1104.6	1119.6	1035.0	935.5	761.3	584.7
17.5°	923.0	965.3	915.6	918.1	918.1	920.5	923.0	845.9	746.4	614.5	482.7
20°	838.4	826.0	831.0	913.1	995.2	1049.9	1102.2	985.2	858.3	654.3	447.8
22.5°	788.7	950.4	1020.1	985.2	950.4	863.3	773.8	684.2	579.7	477.7	373.2
25°	878.2	793.7	848.4	982.7	1117.1	1117.1	1117.1	962.8	791.2	572.2	353.3
27.5°	826.0	942.9	997.7	1104.6	1209.1	1253.9	1296.2	1099.7	873.3	602.1	328.4
30°	888.2	942.9	1137.0	1351.0	1564.9	1527.6	1487.8	1236.5	950.4	631.9	313.5
32.5°	942.9	1097.2	1268.9	1430.6	1592.3	1550.0	1505.2	1226.6	905.6	569.7	233.9
35°	1017.6	1117.1	1276.3	1472.9	1669.4	1604.7	1537.6	1231.5	870.8	522.5	174.2
37.5°	1062.4	1171.8	1343.5	1550.0	1754.0	1674.4	1594.8	1253.9	840.9	487.6	134.3
40°	1146.9	1256.4	1428.1	1644.5	1861.0	1768.9	1674.4	1293.7	823.5	467.7	112.0
42.5°	1303.7	1353.4	1545.0	1773.9	2002.8	1905.8	1806.3	1378.3	818.5	457.8	97.0
45°	1467.9	1500.2	1669.4	1925.7	2179.4	2079.9	1977.9	1482.8	836.0	465.2	92.1
47.5°	1647.0	1664.4	1818.7	2137.1	2455.6	2318.8	2181.9	1627.1	873.3	480.2	87.1
50°	1853.5	1853.5	2002.8	2346.1	2689.5	2547.7	2405.8	1796.3	920.5	502.6	84.6
52.5°	2050.1	2077.4	2191.9	2542.7	2893.5	2761.6	2627.3	1982.9	982.7	532.4	79.6
55°	2251.6	2338.7	2381.0	2739.2	3097.5	2945.7	2794.0	2119.7	1020.1	547.3	74.6
57.5°	2500.4	2592.4	2614.8	2918.4	3221.9	3075.1	2925.8	2236.7	1047.4	559.8	72.2
60°	2726.8	2831.3	2876.1	3100.0	3321.4	3169.6	3017.9	2338.7	1072.3	569.7	64.7
62.5°	2935.8	3015.4	3085.1	3229.4	3373.7	3231.8	3087.5	2428.2	1087.2	572.2	57.2
65°	3087.5	3159.7	3259.2	3341.3	3423.4	3316.4	3209.5	2582.5	1129.5	587.2	42.3
67.5°	3343.8	3351.3	3408.5	3475.7	3542.8	3485.6	3428.4	2796.5	1179.3	607.1	32.3
70°	3863.8	3779.2	3704.6	3771.7	3836.4	3756.8	3677.2	2858.7	1064.8	544.9	24.9
72.5°	4525.6	4667.4	4306.6	4167.3	4025.5	3731.9	3435.9	2460.6	756.3	388.1	19.9
75°	4363.9	5082.9	4727.1	4167.3	3607.5	3154.7	2699.4	1846.1	465.2	241.3	14.9
77.5°	3448.3	4219.6	4092.7	3515.5	2935.8	2378.5	1821.2	1134.5	164.2	89.6	14.9
80°	2177.0	2918.4	2808.9	2283.9	1756.5	1249.0	741.4	345.8	62.2	39.8	17.4
82.5°	1321.1	1739.1	1365.9	855.9	345.8	243.8	141.8	74.6	19.9	17.4	14.9
85°	641.9	719.0	470.2	271.2	69.7	64.7	57.2	37.3	10.0	10.0	7.5
87.5°	89.6	64.7	39.8	27.4	12.4	12.4	12.4	7.5	7.5	7.5	5.0
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°	1632.1	1632.1	1632.1	1632.1	1632.1	1632.1	1632.1	1632.1	1632.1	1632.1	1632.1
2.5°	1537.6	1517.6	1495.3	1472.9	1448.0	1423.1	1351.0	1276.3	1236.5	1194.2	1184.3
5°	1368.4	1286.3	1184.3	1079.8	1035.0	990.2	967.8	942.9	928.0	910.6	895.7
7.5°	1002.6	885.7	885.7	883.2	845.9	808.6	766.3	721.5	694.1	666.8	594.6
10°	716.5	651.8	607.1	562.3	544.9	527.4	472.7	415.5	420.5	423.0	408.0
12.5°	554.8	532.4	450.3	368.2	340.8	313.5	296.1	278.7	253.8	228.9	211.5
15°	475.2	365.7	303.5	241.3	214.0	184.1	159.2	131.9	124.4	114.4	126.9
17.5°	390.6	296.1	236.4	176.6	136.8	97.0	102.0	107.0	116.9	126.9	131.9
20°	335.9	223.9	171.7	119.4	107.0	94.5	99.5	102.0	99.5	94.5	109.5
22.5°	273.7	174.2	131.9	87.1	89.6	92.1	84.6	77.1	92.1	107.0	107.0
25°	233.9	114.4	102.0	89.6	82.1	74.6	84.6	92.1	87.1	82.1	94.5
27.5°	214.0	99.5	87.1	74.6	77.1	79.6	77.1	72.2	79.6	87.1	84.6
30°	204.0	92.1	84.6	74.6	72.2	67.2	69.7	69.7	67.2	64.7	72.2
32.5°	164.2	94.5	82.1	67.2	64.7	59.7	57.2	54.7	57.2	59.7	62.2
35°	131.9	87.1	77.1	64.7	59.7	54.7	52.2	47.3	47.3	47.3	49.8
37.5°	107.0	79.6	69.7	57.2	52.2	47.3	44.8	39.8	39.8	39.8	39.8
40°	94.5	74.6	64.7	52.2	47.3	39.8	37.3	32.3	32.3	29.9	29.9
42.5°	82.1	67.2	57.2	44.8	39.8	34.8	29.9	24.9	24.9	22.4	22.4
45°	77.1	62.2	52.2	42.3	34.8	27.4	24.9	19.9	19.9	17.4	17.4
47.5°	74.6	59.7	49.8	37.3	29.9	22.4	19.9	14.9	14.9	14.9	14.9
50°	69.7	54.7	44.8	32.3	27.4	19.9	17.4	12.4	12.4	12.4	12.4
52.5°	67.2	52.2	39.8	27.4	22.4	14.9	12.4	10.0	10.0	10.0	10.0
55°	64.7	54.7	39.8	24.9	19.9	12.4	10.0	7.5	7.5	7.5	7.5
57.5°	62.2	52.2	37.3	19.9	14.9	10.0	7.5	5.0	5.0	5.0	5.0
60°	54.7	44.8	29.9	14.9	12.4	7.5	5.0	2.5	5.0	5.0	5.0
62.5°	47.3	34.8	24.9	12.4	10.0	5.0	5.0	2.5	5.0	5.0	5.0
65°	34.8	27.4	19.9	10.0	7.5	2.5	2.5	2.5	5.0	5.0	5.0
67.5°	27.4	19.9	14.9	7.5	5.0	2.5	2.5	2.5	5.0	5.0	5.0
70°	19.9	14.9	10.0	5.0	5.0	2.5	2.5	2.5	5.0	5.0	5.0
72.5°	14.9	10.0	7.5	5.0	5.0	2.5	5.0	5.0	5.0	5.0	5.0
75°	12.4	10.0	7.5	5.0	5.0	2.5	5.0	5.0	7.5	7.5	7.5
77.5°	12.4	7.5	7.5	5.0	5.0	2.5	5.0	7.5	7.5	7.5	7.5
80°	12.4	7.5	7.5	5.0	5.0	2.5	5.0	7.5	7.5	7.5	7.5
82.5°	12.4	7.5	7.5	5.0	5.0	2.5	5.0	7.5	7.5	7.5	7.5
85°	7.5	7.5	7.5	7.5	5.0	2.5	7.5	10.0	10.0	7.5	7.5
87.5°	5.0	5.0	7.5	7.5	5.0	2.5	7.5	10.0	10.0	7.5	7.5
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):

	165°	170°	175°	180°
0°	1632.1	1632.1	1632.1	1632.1
2.5°	1171.8	1159.4	1144.5	1174.3
5°	880.7	870.8	860.8	878.2
7.5°	522.5	525.0	525.0	497.6
10°	390.6	368.2	343.3	343.3
12.5°	194.1	179.1	164.2	161.7
15°	139.3	141.8	144.3	144.3
17.5°	136.8	131.9	124.4	119.4
20°	121.9	126.9	129.4	129.4
22.5°	107.0	104.5	99.5	99.5
25°	107.0	109.5	112.0	112.0
27.5°	82.1	82.1	79.6	79.6
30°	79.6	79.6	79.6	79.6
32.5°	62.2	64.7	64.7	64.7
35°	52.2	52.2	52.2	52.2
37.5°	39.8	39.8	39.8	37.3
40°	29.9	29.9	29.9	29.9
42.5°	22.4	22.4	22.4	22.4
45°	17.4	17.4	17.4	17.4
47.5°	14.9	14.9	12.4	12.4
50°	10.0	10.0	10.0	10.0
52.5°	7.5	7.5	7.5	7.5
55°	5.0	5.0	5.0	5.0
57.5°	5.0	5.0	5.0	5.0
60°	2.5	2.5	2.5	2.5
62.5°	2.5	2.5	2.5	2.5
65°	2.5	2.5	2.5	2.5
67.5°	2.5	2.5	2.5	2.5
70°	2.5	2.5	2.5	2.5
72.5°	5.0	5.0	2.5	2.5
75°	5.0	5.0	2.5	2.5
77.5°	5.0	5.0	2.5	2.5
80°	5.0	5.0	2.5	2.5
82.5°	5.0	5.0	2.5	2.5
85°	5.0	5.0	5.0	2.5
87.5°	5.0	5.0	5.0	2.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)