

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: P561016

Luminaire Tested: **SDL-PA1-80-722-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561016
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-PA1-80-722-U-SL3-HSS
Description: Springdale
(1) 70 CRI, 2200K, 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: 5727.9 lumens
Efficiency: N/A
Efficacy: 69.9 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): 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

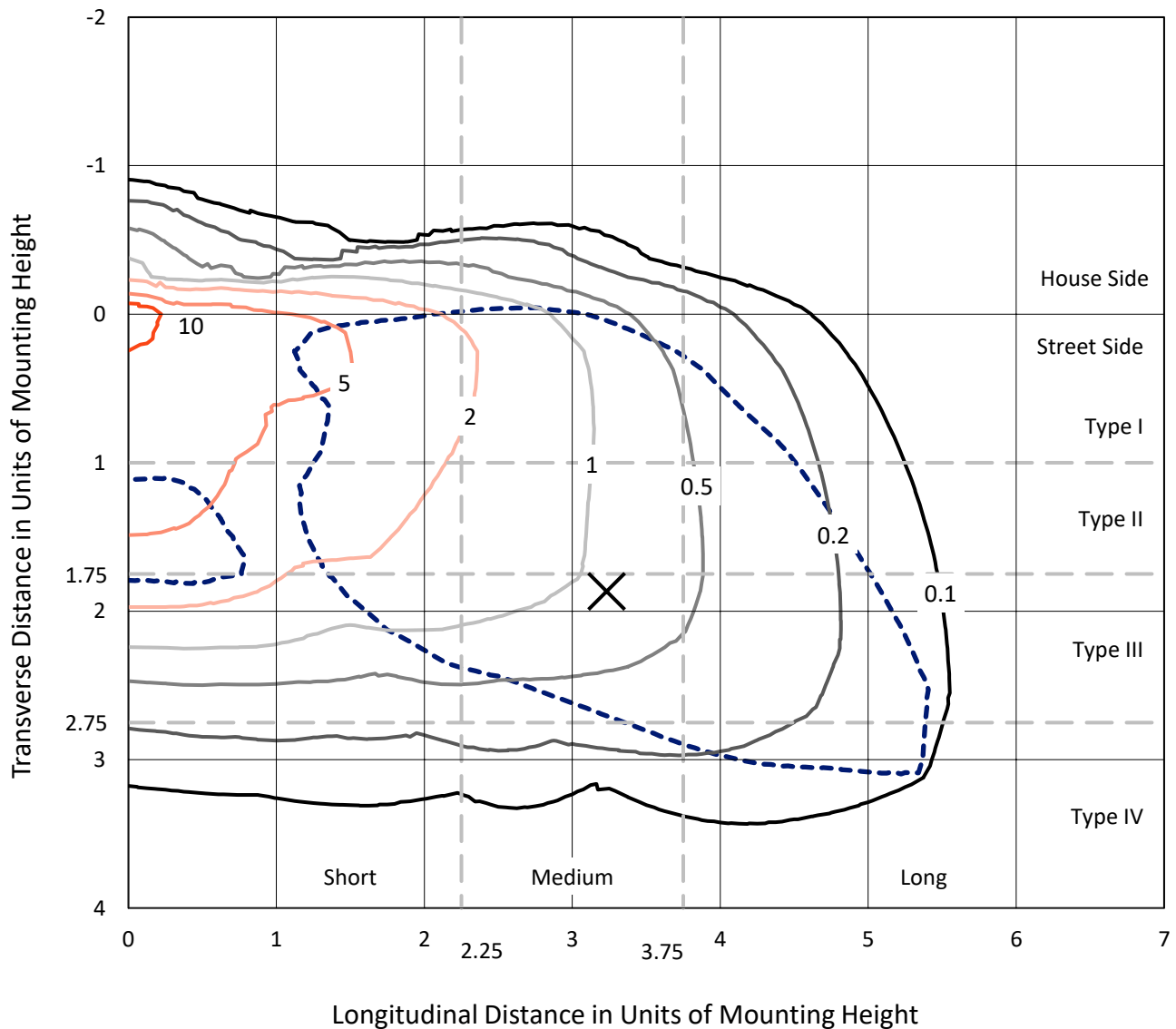


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

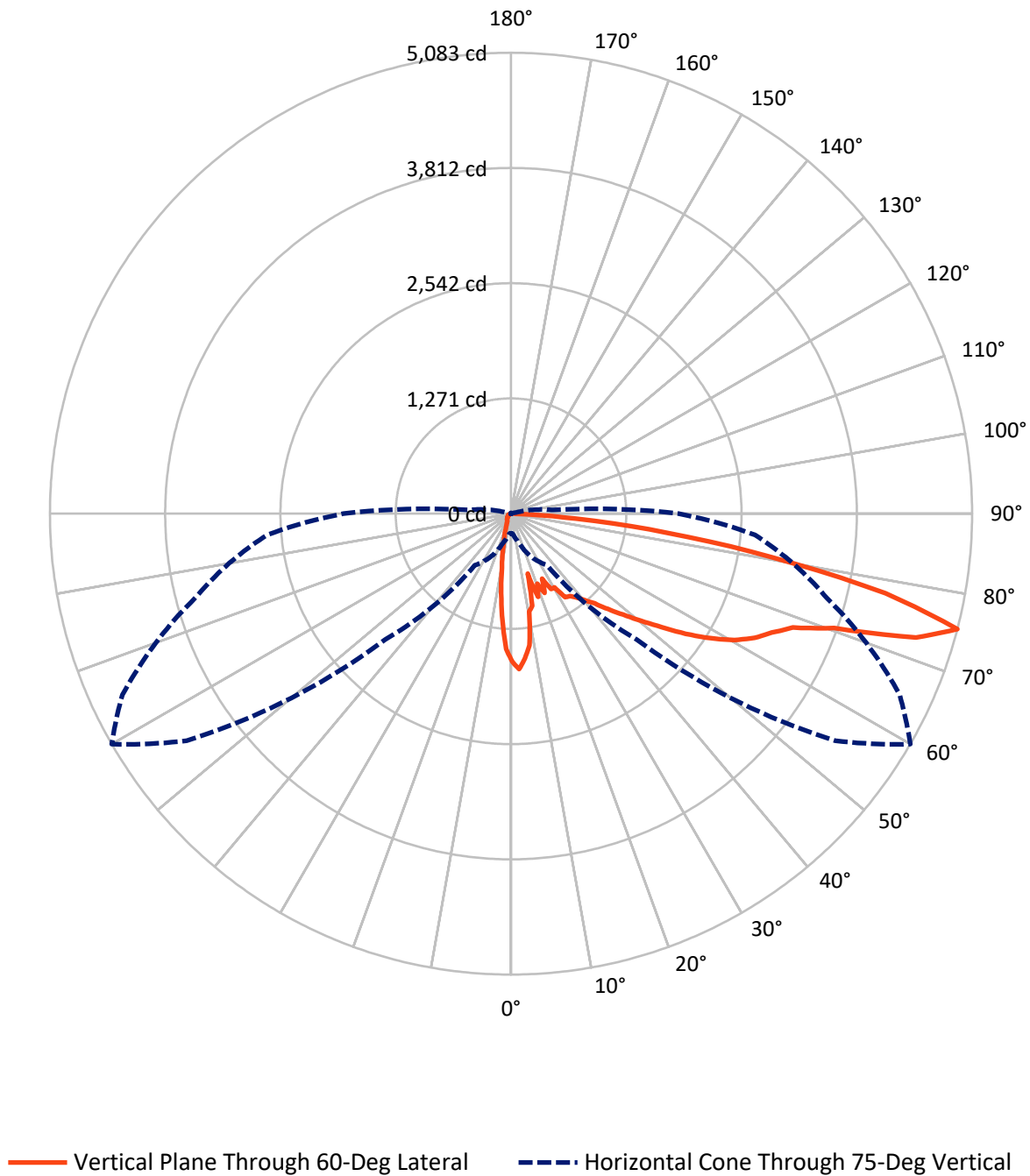


Based on 10 foot mounting height. Maximum calculated value = 16.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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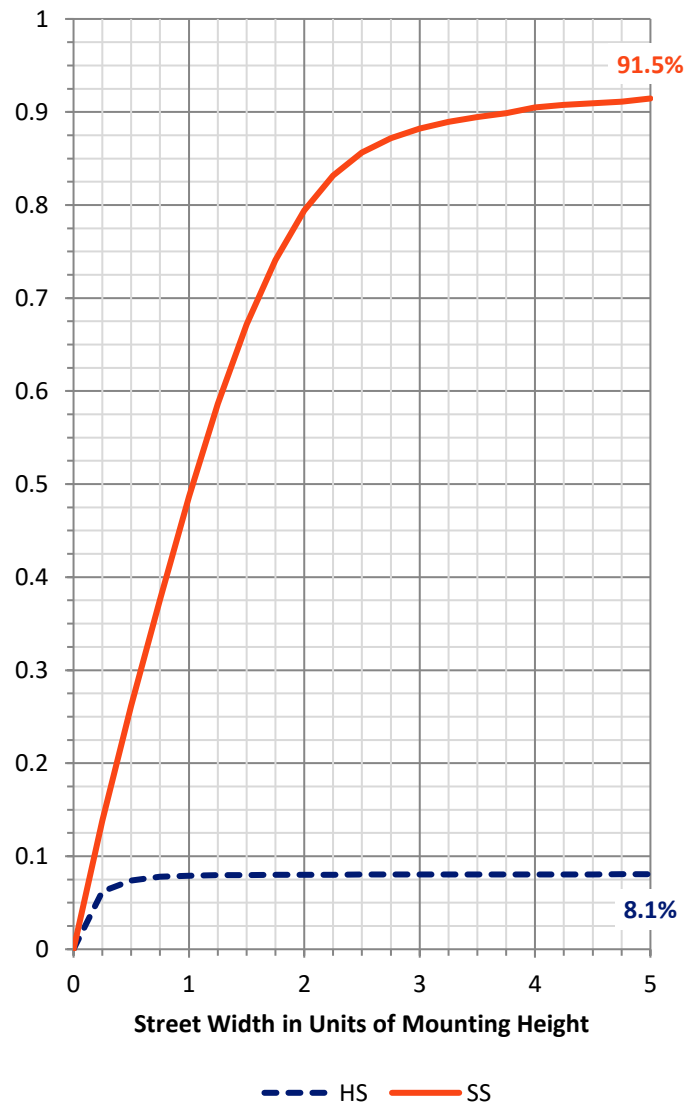
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	466.7	0.0	466.7
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	5261.3	0.0	5261.3
	% Fixture	91.9	0.0	91.9
Total	Lumens	5727.9	0.0	5727.9
	% 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°	478.1	8.3
40°-50°	786.9	13.7
50°-60°	1213.3	21.2
60°-70°	1414.0	24.7
70°-80°	1095.8	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°	5727.9	100.0
0°-180°	5727.9	100.0

Coefficient of Utilization



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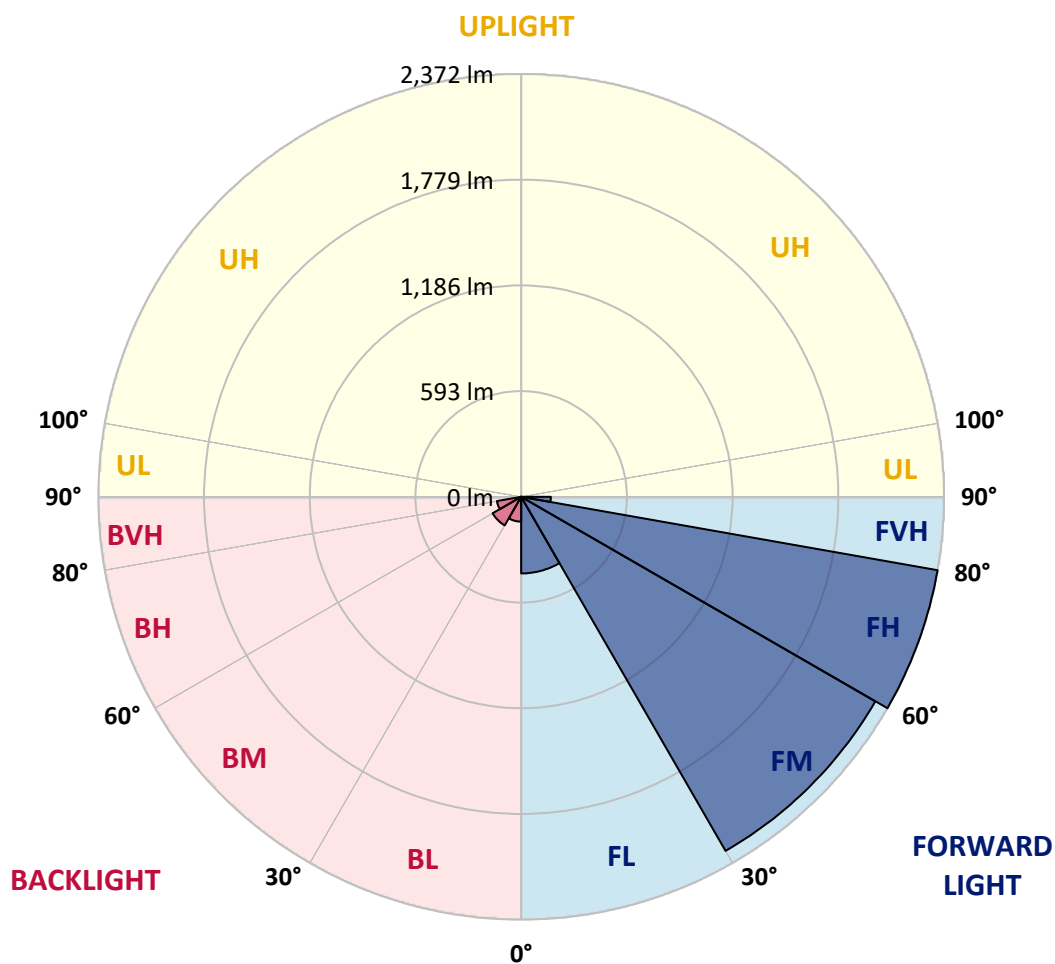
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	429.7	7.5			
FM	(30°-60°)	2293.5	40.0			
FH	(60°-80°)	2371.7	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°)	184.8	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°	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2
2.5°	1525.2	1582.5	1617.3	1649.6	1691.9	1734.2	1736.7	1739.2	1739.2	1739.2	1736.7
5°	1473.0	1478.0	1478.0	1478.0	1485.4	1492.9	1497.9	1500.3	1502.8	1502.8	1500.3
7.5°	1152.0	1244.1	1301.3	1356.0	1371.0	1385.9	1405.8	1423.2	1438.1	1450.6	1460.5
10°	1276.4	1286.4	1286.4	1283.9	1296.3	1306.3	1209.2	1109.7	1149.5	1189.3	1139.6
12.5°	985.3	1035.1	1097.3	1157.0	1196.8	1236.6	1191.8	1147.0	1077.4	1005.2	1000.2
15°	1152.0	1159.5	1162.0	1164.4	1097.3	1027.6	945.5	860.9	918.1	975.4	893.2
17.5°	885.8	893.2	962.9	1032.6	1040.0	1047.5	995.3	940.5	821.1	701.7	813.6
20°	1059.9	1064.9	1064.9	1064.9	933.1	801.2	811.1	818.6	855.9	893.2	865.9
22.5°	853.4	843.5	848.5	850.9	890.8	928.1	850.9	771.3	828.6	883.3	836.0
25°	1067.4	1069.9	1055.0	1037.6	920.6	801.2	843.5	883.3	816.1	746.4	813.6
27.5°	965.4	955.4	920.6	885.8	903.2	920.6	841.0	758.9	823.6	885.8	855.9
30°	1271.4	1266.5	1221.7	1174.4	1035.1	893.2	878.3	860.9	823.6	783.8	836.0
32.5°	1696.9	1637.2	1470.5	1301.3	1214.2	1124.6	1015.2	905.7	918.1	928.1	935.5
35°	1791.5	1764.1	1691.9	1619.8	1485.4	1348.6	1199.3	1047.5	1012.7	977.8	997.7
37.5°	1816.3	1806.4	1796.4	1784.0	1624.8	1465.5	1316.2	1164.4	1137.1	1107.2	1084.8
40°	1841.2	1851.2	1881.0	1908.4	1759.1	1609.8	1470.5	1328.7	1296.3	1264.0	1206.7
42.5°	1940.7	1948.2	1993.0	2037.8	1893.5	1746.7	1624.8	1502.8	1455.6	1408.3	1356.0
45°	2152.2	2159.7	2184.6	2209.5	2075.1	1938.3	1803.9	1667.1	1629.7	1589.9	1530.2
47.5°	2445.8	2453.3	2440.9	2428.4	2274.2	2117.4	1958.2	1798.9	1786.5	1774.0	1711.8
50°	2781.7	2771.8	2704.6	2637.4	2468.2	2299.0	2112.4	1923.3	1933.3	1943.2	1898.5
52.5°	2936.0	2931.0	2853.9	2776.8	2602.6	2425.9	2231.9	2035.3	2070.1	2102.5	2077.6
55°	2926.1	2923.6	2871.3	2819.1	2654.8	2490.6	2309.0	2127.4	2207.0	2284.1	2269.2
57.5°	2816.6	2821.6	2814.1	2806.6	2662.3	2518.0	2371.2	2224.4	2343.8	2460.8	2480.7
60°	2644.9	2644.9	2682.2	2717.0	2632.5	2545.4	2423.4	2299.0	2463.3	2627.5	2677.2
62.5°	2286.6	2326.4	2406.0	2485.7	2513.0	2540.4	2440.9	2341.3	2567.8	2794.2	2866.3
65°	1761.6	1779.0	1923.3	2067.6	2202.0	2333.9	2341.3	2348.8	2694.7	3038.0	3062.9
67.5°	1022.6	1094.8	1254.0	1410.8	1674.5	1935.8	2070.1	2204.5	2749.4	3291.8	3319.2
70°	537.4	567.3	644.4	719.1	955.4	1189.3	1522.7	1853.7	2622.5	3388.8	3627.7
72.5°	368.2	395.6	437.9	480.2	569.8	656.9	895.7	1132.1	2087.5	3043.0	3784.5
75°	216.5	223.9	276.2	328.4	425.5	522.5	609.6	694.2	1328.7	1960.7	3162.4
77.5°	87.1	94.5	116.9	139.3	276.2	410.5	500.1	589.7	741.5	893.2	2172.1
80°	47.3	47.3	57.2	64.7	124.4	181.6	335.9	490.2	564.8	639.5	1408.3
82.5°	27.4	27.4	34.8	39.8	62.2	84.6	191.6	298.6	440.4	579.7	950.5
85°	10.0	10.0	12.4	14.9	29.9	42.3	69.7	94.5	273.7	450.4	547.4
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°	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2
2.5°	1731.7	1716.8	1706.9	1689.4	1672.0	1657.1	1639.7	1617.3	1599.9	1577.5	1555.1
5°	1497.9	1602.4	1709.4	1699.4	1687.0	1652.1	1617.3	1577.5	1540.2	1495.4	1450.6
7.5°	1468.0	1465.5	1363.5	1415.8	1465.5	1425.7	1385.9	1341.1	1291.3	1204.3	1117.2
10°	1089.8	1097.3	1094.8	1107.2	1119.7	1152.0	1181.9	1117.2	1055.0	918.1	778.8
12.5°	995.3	1042.5	1055.0	970.4	885.8	920.6	955.4	890.8	828.6	701.7	574.8
15°	808.6	686.7	860.9	975.4	1087.3	1104.7	1119.7	1035.1	935.5	761.4	584.7
17.5°	923.1	965.4	915.6	918.1	918.1	920.6	923.1	846.0	746.4	614.6	482.7
20°	838.5	826.1	831.0	913.1	995.3	1050.0	1102.2	985.3	858.4	654.4	447.9
22.5°	788.7	950.5	1020.1	985.3	950.5	863.4	773.8	684.2	579.7	477.7	373.2
25°	878.3	793.7	848.5	982.8	1117.2	1117.2	1117.2	962.9	791.2	572.3	353.3
27.5°	826.1	943.0	997.7	1104.7	1209.2	1254.0	1296.3	1099.8	873.3	602.1	328.4
30°	888.3	943.0	1137.1	1351.1	1565.0	1527.7	1487.9	1236.6	950.5	632.0	313.5
32.5°	943.0	1097.3	1269.0	1430.7	1592.4	1550.1	1505.3	1226.7	905.7	569.8	233.9
35°	1017.6	1117.2	1276.4	1473.0	1669.5	1604.9	1537.7	1231.6	870.8	522.5	174.2
37.5°	1062.4	1171.9	1343.6	1550.1	1754.1	1674.5	1594.9	1254.0	841.0	487.7	134.4
40°	1147.0	1256.5	1428.2	1644.7	1861.1	1769.1	1674.5	1293.8	823.6	467.8	112.0
42.5°	1303.8	1353.5	1545.1	1774.0	2003.0	1905.9	1806.4	1378.4	818.6	457.8	97.0
45°	1468.0	1500.3	1669.5	1925.8	2179.6	2080.1	1978.1	1482.9	836.0	465.3	92.1
47.5°	1647.1	1664.6	1818.8	2137.3	2455.8	2318.9	2182.1	1627.2	873.3	480.2	87.1
50°	1853.7	1853.7	2003.0	2346.3	2689.7	2547.9	2406.0	1796.4	920.6	502.6	84.6
52.5°	2050.2	2077.6	2192.1	2542.9	2893.7	2761.8	2627.5	1983.0	982.8	532.5	79.6
55°	2251.8	2338.9	2381.1	2739.4	3097.7	2946.0	2794.2	2119.9	1020.1	547.4	74.6
57.5°	2500.6	2592.6	2615.0	2918.6	3222.1	3075.3	2926.1	2236.8	1047.5	559.8	72.2
60°	2727.0	2831.5	2876.3	3100.2	3321.7	3169.9	3018.1	2338.9	1072.4	569.8	64.7
62.5°	2936.0	3015.6	3085.3	3229.6	3373.9	3232.1	3087.8	2428.4	1087.3	572.3	57.2
65°	3087.8	3159.9	3259.5	3341.6	3423.7	3316.7	3209.7	2582.7	1129.6	587.2	42.3
67.5°	3344.1	3351.5	3408.8	3475.9	3543.1	3485.9	3428.7	2796.7	1179.4	607.1	32.3
70°	3864.1	3779.5	3704.8	3772.0	3836.7	3757.1	3677.5	2858.9	1064.9	544.9	24.9
72.5°	4525.9	4667.8	4307.0	4167.6	4025.8	3732.2	3436.1	2460.8	756.4	388.1	19.9
75°	4364.2	5083.3	4727.5	4167.6	3607.8	3155.0	2699.6	1846.2	465.3	241.3	14.9
77.5°	3448.6	4219.9	4093.0	3515.7	2936.0	2378.7	1821.3	1134.6	164.2	89.6	14.9
80°	2177.1	2918.6	2809.1	2284.1	1756.6	1249.0	741.5	345.9	62.2	39.8	17.4
82.5°	1321.2	1739.2	1366.0	855.9	345.9	243.8	141.8	74.6	19.9	17.4	14.9
85°	641.9	719.1	470.3	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°	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2
2.5°	1537.7	1517.8	1495.4	1473.0	1448.1	1423.2	1351.1	1276.4	1236.6	1194.3	1184.4
5°	1368.5	1286.4	1184.4	1079.9	1035.1	990.3	967.9	943.0	928.1	910.7	895.7
7.5°	1002.7	885.8	885.8	883.3	846.0	808.6	766.3	721.6	694.2	666.8	594.7
10°	716.6	651.9	607.1	562.3	544.9	527.5	472.7	415.5	420.5	423.0	408.1
12.5°	554.9	532.5	450.4	368.2	340.9	313.5	296.1	278.7	253.8	228.9	211.5
15°	475.2	365.8	303.6	241.3	214.0	184.1	159.2	131.9	124.4	114.5	126.9
17.5°	390.6	296.1	236.4	176.7	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	114.5	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	52.3	47.3	47.3	47.3	49.8
37.5°	107.0	79.6	69.7	57.2	52.3	47.3	44.8	39.8	39.8	39.8	39.8
40°	94.5	74.6	64.7	52.3	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	52.3	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	52.3	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	52.3	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°	1632.2	1632.2	1632.2	1632.2
2.5°	1171.9	1159.5	1144.5	1174.4
5°	880.8	870.8	860.9	878.3
7.5°	522.5	525.0	525.0	497.6
10°	390.6	368.2	343.4	343.4
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°	52.3	52.3	52.3	52.3
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)