

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: P560972

Luminaire Tested: **SDL-PA1-70-827-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560972
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-PA1-70-827-U-SL3-HSS
Description: Springdale
(1) 80 CRI, 2700K, 930mA 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: 5217.1 lumens
Efficiency: N/A
Efficacy: 72.3 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): 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

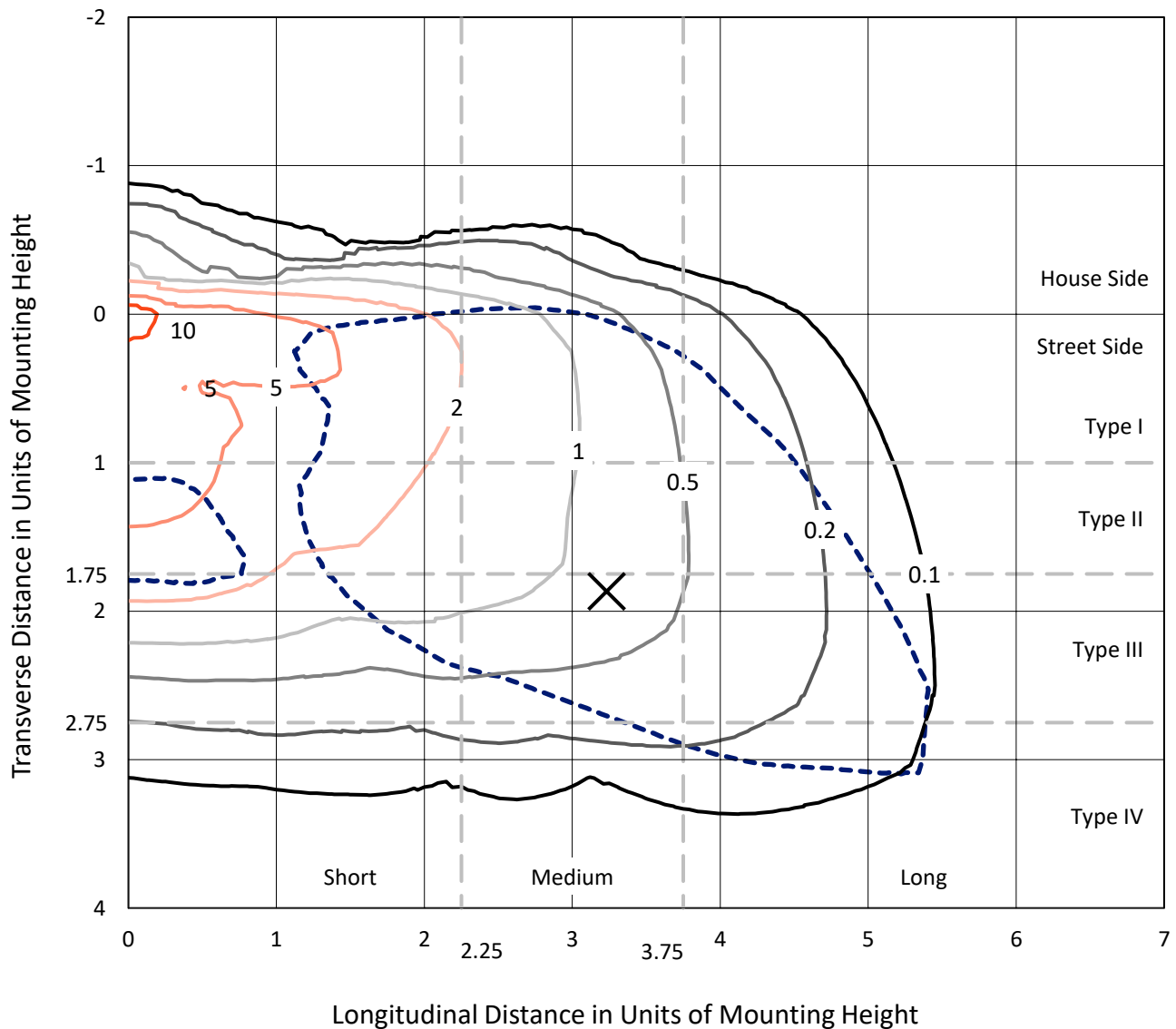


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

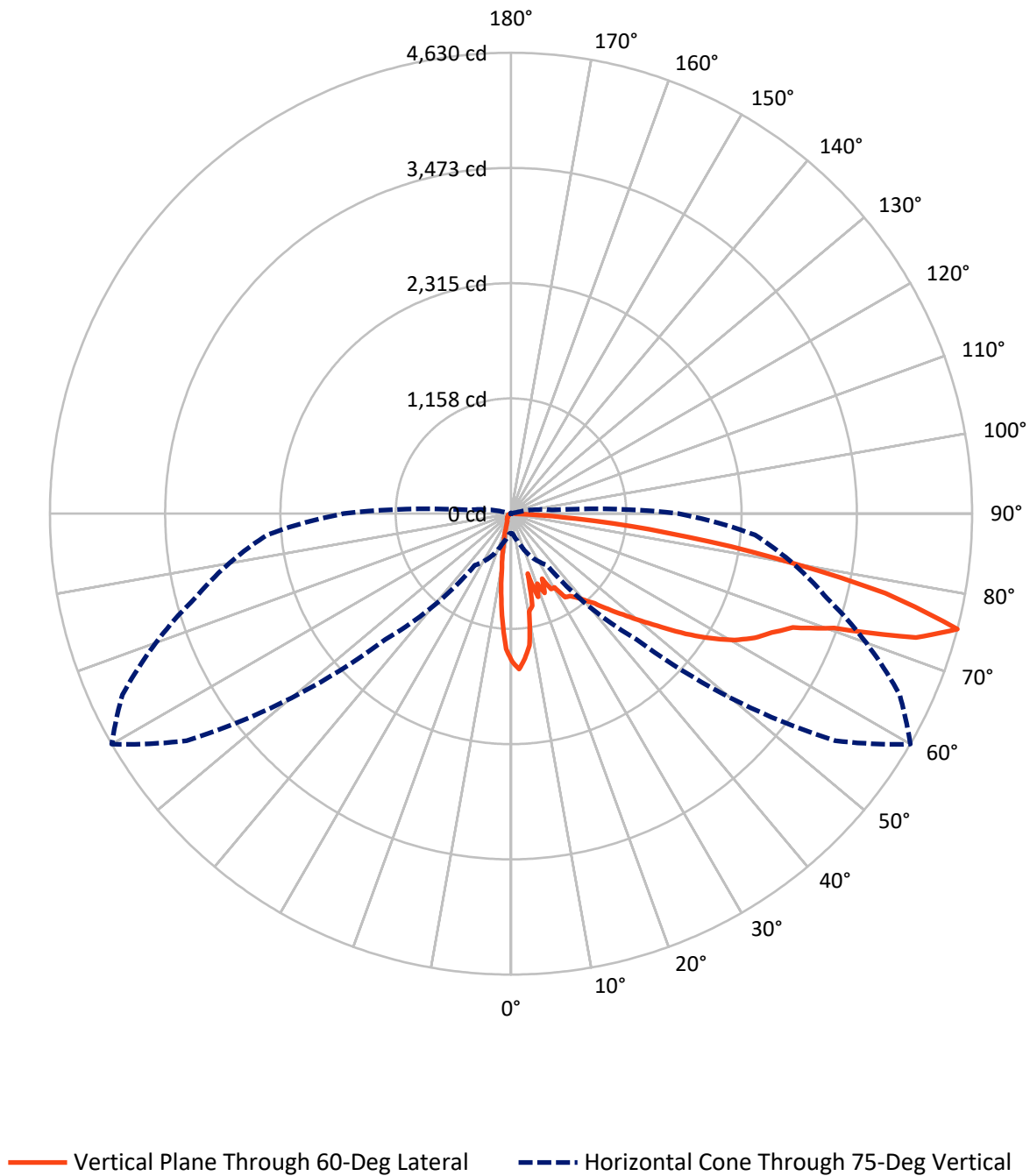


Based on 10 foot mounting height. Maximum calculated value = 14.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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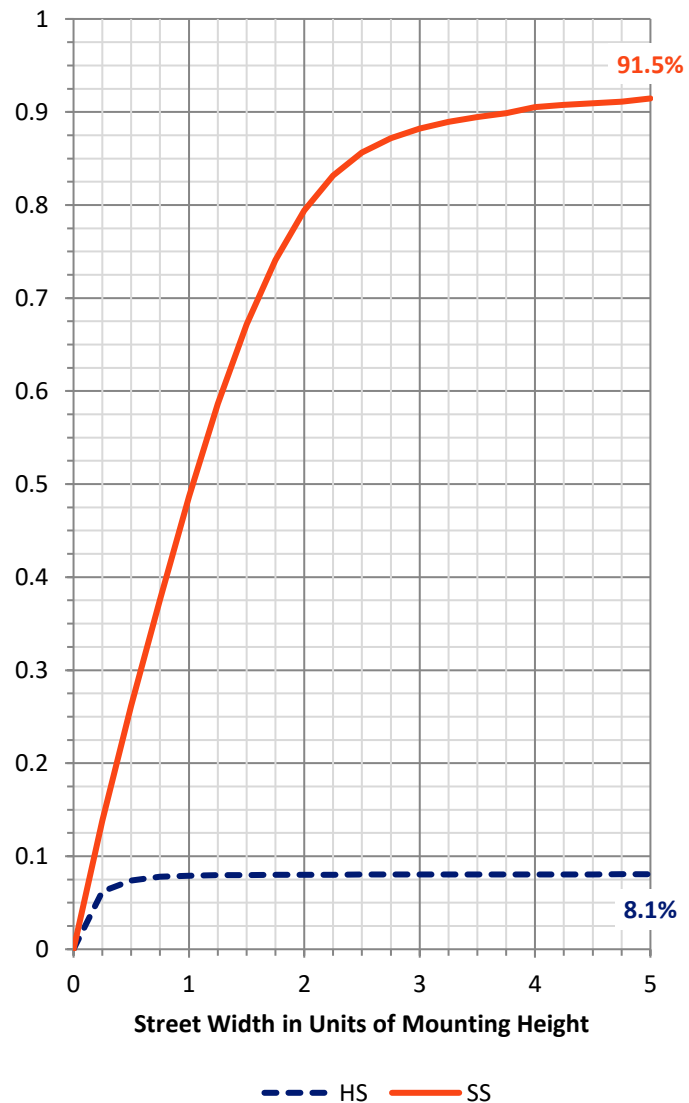
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	425.0	0.0	425.0
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	4792.1	0.0	4792.1
	% Fixture	91.9	0.0	91.9
Total	Lumens	5217.1	0.0	5217.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	2.0
10°-20°	170.7	3.3
20°-30°	244.6	4.7
30°-40°	435.4	8.3
40°-50°	716.7	13.7
50°-60°	1105.1	21.2
60°-70°	1287.9	24.7
70°-80°	998.1	19.1
80°-90°	155.8	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°	5217.1	100.0
0°-180°	5217.1	100.0

Coefficient of Utilization



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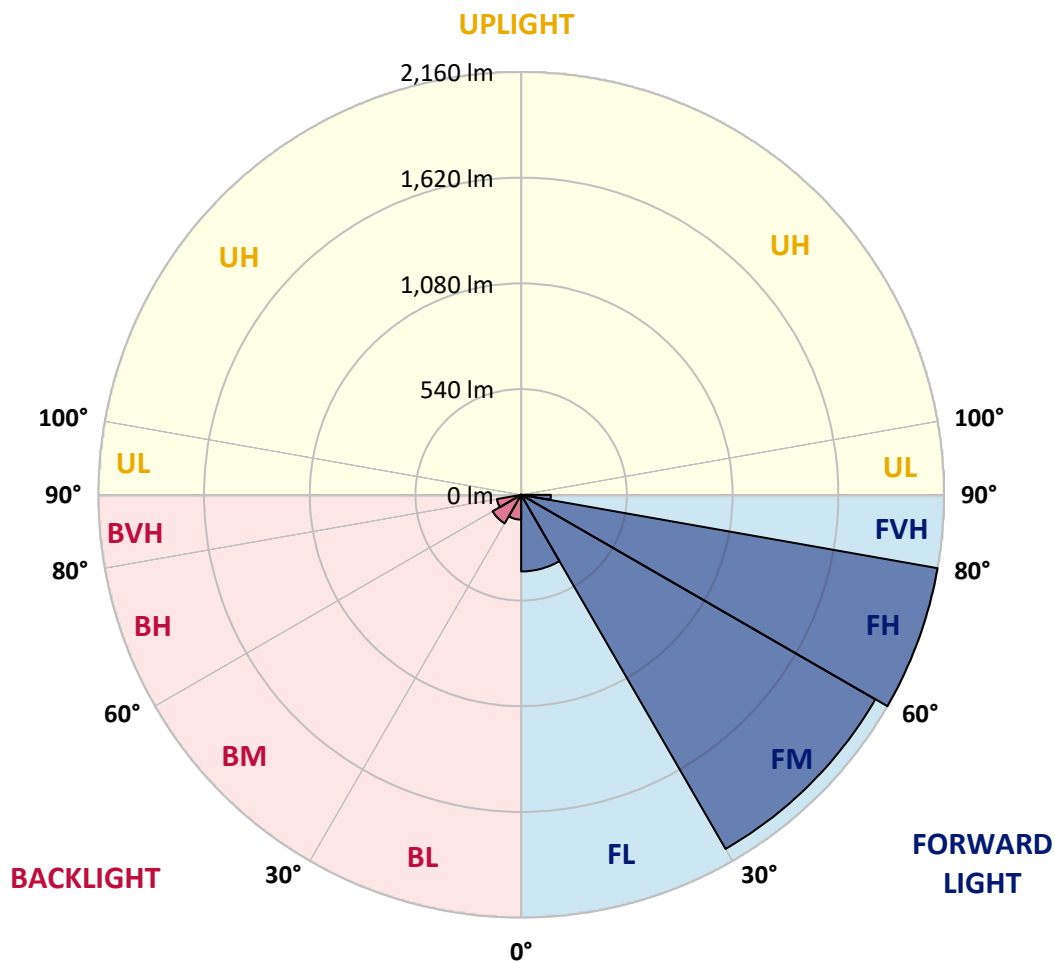
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	391.4	7.5			
FM	(30°-60°)	2088.9	40.0			
FH	(60°-80°)	2160.2	41.4			G2/5000
FVH	(80°-90°)	151.5	2.9			G2/225
BL	(0°-30°)	126.7	2.4	B1/500		
BM	(30°-60°)	168.3	3.2	B0/220		
BH	(60°-80°)	125.7	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°	1486.7	1486.7	1486.7	1486.7	1486.7	1486.7	1486.7	1486.7	1486.7	1486.7	1486.7
2.5°	1389.2	1441.3	1473.1	1502.5	1541.1	1579.6	1581.8	1584.1	1584.1	1584.1	1581.8
5°	1341.6	1346.2	1346.2	1346.2	1353.0	1359.8	1364.3	1366.6	1368.8	1368.8	1366.6
7.5°	1049.3	1133.1	1185.3	1235.1	1248.7	1262.3	1280.4	1296.3	1309.9	1321.2	1330.3
10°	1162.6	1171.7	1171.7	1169.4	1180.7	1189.8	1101.4	1010.7	1047.0	1083.3	1037.9
12.5°	897.4	942.8	999.4	1053.8	1090.1	1126.3	1085.5	1044.7	981.3	915.6	911.0
15°	1049.3	1056.1	1058.3	1060.6	999.4	936.0	861.2	784.1	836.2	888.4	813.6
17.5°	806.8	813.6	877.0	940.5	947.3	954.1	906.5	856.6	747.9	639.1	741.1
20°	965.4	970.0	970.0	970.0	849.8	729.7	738.8	745.6	779.6	813.6	788.7
22.5°	777.3	768.3	772.8	775.1	811.3	845.3	775.1	702.5	754.7	804.5	761.5
25°	972.2	974.5	960.9	945.0	838.5	729.7	768.3	804.5	743.3	679.9	741.1
27.5°	879.3	870.2	838.5	806.8	822.7	838.5	766.0	691.2	750.1	806.8	779.6
30°	1158.1	1153.5	1112.7	1069.7	942.8	813.6	800.0	784.1	750.1	713.9	761.5
32.5°	1545.6	1491.2	1339.4	1185.3	1105.9	1024.3	924.6	824.9	836.2	845.3	852.1
35°	1631.7	1606.8	1541.1	1475.3	1353.0	1228.3	1092.3	954.1	922.4	890.6	908.8
37.5°	1654.4	1645.3	1636.2	1624.9	1479.9	1334.8	1198.8	1060.6	1035.7	1008.5	988.1
40°	1677.0	1686.1	1713.3	1738.2	1602.2	1466.3	1339.4	1210.2	1180.7	1151.3	1099.1
42.5°	1767.7	1774.5	1815.3	1856.1	1724.6	1590.9	1479.9	1368.8	1325.8	1282.7	1235.1
45°	1960.3	1967.1	1989.8	2012.4	1890.1	1765.4	1643.0	1518.4	1484.4	1448.1	1393.7
47.5°	2227.7	2234.5	2223.2	2211.9	2071.4	1928.6	1783.5	1638.5	1627.2	1615.8	1559.2
50°	2533.7	2524.6	2463.4	2402.2	2248.1	2094.0	1924.0	1751.8	1760.9	1769.9	1729.2
52.5°	2674.2	2669.6	2599.4	2529.1	2370.5	2209.6	2032.8	1853.8	1885.5	1915.0	1892.3
55°	2665.1	2662.8	2615.3	2567.7	2418.1	2268.5	2103.1	1937.6	2010.2	2080.4	2066.8
57.5°	2565.4	2569.9	2563.1	2556.3	2424.9	2293.4	2159.7	2026.0	2134.8	2241.3	2259.5
60°	2409.0	2409.0	2443.0	2474.7	2397.7	2318.4	2207.3	2094.0	2243.6	2393.2	2438.5
62.5°	2082.7	2118.9	2191.5	2264.0	2288.9	2313.8	2223.2	2132.5	2338.8	2545.0	2610.7
65°	1604.5	1620.4	1751.8	1883.3	2005.6	2125.7	2132.5	2139.3	2454.4	2767.1	2789.8
67.5°	931.4	997.2	1142.2	1285.0	1525.2	1763.1	1885.5	2007.9	2504.2	2998.3	3023.2
70°	489.5	516.7	587.0	654.9	870.2	1083.3	1386.9	1688.4	2388.6	3086.6	3304.2
72.5°	335.4	360.3	398.9	437.4	519.0	598.3	815.9	1031.1	1901.4	2771.6	3447.0
75°	197.2	204.0	251.6	299.1	387.5	475.9	555.2	632.3	1210.2	1785.8	2880.4
77.5°	79.3	86.1	106.5	126.9	251.6	373.9	455.5	537.1	675.3	813.6	1978.4
80°	43.1	43.1	52.1	58.9	113.3	165.4	305.9	446.5	514.4	582.4	1282.7
82.5°	24.9	24.9	31.7	36.3	56.7	77.1	174.5	272.0	401.1	528.0	865.7
85°	9.1	9.1	11.3	13.6	27.2	38.5	63.5	86.1	249.3	410.2	498.6
87.5°	2.3	2.3	4.5	4.5	6.8	9.1	11.3	11.3	9.1	6.8	45.3
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°	1486.7	1486.7	1486.7	1486.7	1486.7	1486.7	1486.7	1486.7	1486.7	1486.7	1486.7
2.5°	1577.3	1563.7	1554.7	1538.8	1522.9	1509.3	1493.5	1473.1	1457.2	1436.8	1416.4
5°	1364.3	1459.5	1556.9	1547.9	1536.5	1504.8	1473.1	1436.8	1402.8	1362.0	1321.2
7.5°	1337.1	1334.8	1241.9	1289.5	1334.8	1298.6	1262.3	1221.5	1176.2	1096.9	1017.5
10°	992.6	999.4	997.2	1008.5	1019.8	1049.3	1076.5	1017.5	960.9	836.2	709.3
12.5°	906.5	949.6	960.9	883.8	806.8	838.5	870.2	811.3	754.7	639.1	523.5
15°	736.5	625.5	784.1	888.4	990.4	1006.2	1019.8	942.8	852.1	693.5	532.6
17.5°	840.8	879.3	834.0	836.2	836.2	838.5	840.8	770.5	679.9	559.8	439.7
20°	763.7	752.4	756.9	831.7	906.5	956.4	1004.0	897.4	781.9	596.0	407.9
22.5°	718.4	865.7	929.2	897.4	865.7	786.4	704.8	623.2	528.0	435.1	339.9
25°	800.0	722.9	772.8	895.2	1017.5	1017.5	1017.5	877.0	720.7	521.2	321.8
27.5°	752.4	858.9	908.8	1006.2	1101.4	1142.2	1180.7	1001.7	795.5	548.4	299.1
30°	809.1	858.9	1035.7	1230.6	1425.5	1391.5	1355.2	1126.3	865.7	575.6	285.5
32.5°	858.9	999.4	1155.8	1303.1	1450.4	1411.9	1371.1	1117.3	824.9	519.0	213.0
35°	926.9	1017.5	1162.6	1341.6	1520.7	1461.7	1400.5	1121.8	793.2	475.9	158.6
37.5°	967.7	1067.4	1223.8	1411.9	1597.7	1525.2	1452.7	1142.2	766.0	444.2	122.4
40°	1044.7	1144.5	1300.8	1498.0	1695.2	1611.3	1525.2	1178.5	750.1	426.1	102.0
42.5°	1187.5	1232.8	1407.3	1615.8	1824.3	1736.0	1645.3	1255.5	745.6	417.0	88.4
45°	1337.1	1366.6	1520.7	1754.1	1985.2	1894.6	1801.7	1350.7	761.5	423.8	83.9
47.5°	1500.3	1516.1	1656.6	1946.7	2236.8	2112.1	1987.5	1482.1	795.5	437.4	79.3
50°	1688.4	1688.4	1824.3	2137.1	2449.8	2320.6	2191.5	1636.2	838.5	457.8	77.1
52.5°	1867.4	1892.3	1996.6	2316.1	2635.7	2515.5	2393.2	1806.2	895.2	485.0	72.5
55°	2051.0	2130.3	2168.8	2495.1	2821.5	2683.2	2545.0	1930.8	929.2	498.6	68.0
57.5°	2277.6	2361.4	2381.8	2658.3	2934.8	2801.1	2665.1	2037.4	954.1	509.9	65.7
60°	2483.8	2579.0	2619.8	2823.8	3025.4	2887.2	2749.0	2130.3	976.8	519.0	58.9
62.5°	2674.2	2746.7	2810.2	2941.6	3073.0	2943.9	2812.4	2211.9	990.4	521.2	52.1
65°	2812.4	2878.1	2968.8	3043.6	3118.4	3020.9	2923.5	2352.4	1028.9	534.8	38.5
67.5°	3045.8	3052.6	3104.8	3166.0	3227.1	3175.0	3122.9	2547.3	1074.2	553.0	29.5
70°	3519.5	3442.4	3374.5	3435.6	3494.6	3422.0	3349.5	2603.9	970.0	496.3	22.7
72.5°	4122.3	4251.5	3922.9	3796.0	3666.8	3399.4	3129.7	2241.3	688.9	353.5	18.1
75°	3975.0	4630.0	4305.9	3796.0	3286.1	2873.6	2458.9	1681.6	423.8	219.8	13.6
77.5°	3141.0	3843.6	3728.0	3202.2	2674.2	2166.5	1658.9	1033.4	149.6	81.6	13.6
80°	1983.0	2658.3	2558.6	2080.4	1600.0	1137.7	675.3	315.0	56.7	36.3	15.9
82.5°	1203.4	1584.1	1244.2	779.6	315.0	222.1	129.2	68.0	18.1	15.9	13.6
85°	584.7	654.9	428.3	247.0	63.5	58.9	52.1	34.0	9.1	9.1	6.8
87.5°	81.6	58.9	36.3	24.9	11.3	11.3	11.3	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°	1486.7	1486.7	1486.7	1486.7	1486.7	1486.7	1486.7	1486.7	1486.7	1486.7	1486.7
2.5°	1400.5	1382.4	1362.0	1341.6	1319.0	1296.3	1230.6	1162.6	1126.3	1087.8	1078.7
5°	1246.4	1171.7	1078.7	983.6	942.8	902.0	881.6	858.9	845.3	829.4	815.9
7.5°	913.3	806.8	806.8	804.5	770.5	736.5	698.0	657.2	632.3	607.4	541.6
10°	652.7	593.8	553.0	512.2	496.3	480.4	430.6	378.5	383.0	385.3	371.7
12.5°	505.4	485.0	410.2	335.4	310.5	285.5	269.7	253.8	231.2	208.5	192.6
15°	432.9	333.1	276.5	219.8	194.9	167.7	145.0	120.1	113.3	104.2	115.6
17.5°	355.8	269.7	215.3	160.9	124.6	88.4	92.9	97.4	106.5	115.6	120.1
20°	305.9	204.0	156.4	108.8	97.4	86.1	90.7	92.9	90.7	86.1	99.7
22.5°	249.3	158.6	120.1	79.3	81.6	83.9	77.1	70.3	83.9	97.4	97.4
25°	213.0	104.2	92.9	81.6	74.8	68.0	77.1	83.9	79.3	74.8	86.1
27.5°	194.9	90.7	79.3	68.0	70.3	72.5	70.3	65.7	72.5	79.3	77.1
30°	185.8	83.9	77.1	68.0	65.7	61.2	63.5	63.5	61.2	58.9	65.7
32.5°	149.6	86.1	74.8	61.2	58.9	54.4	52.1	49.9	52.1	54.4	56.7
35°	120.1	79.3	70.3	58.9	54.4	49.9	47.6	43.1	43.1	43.1	45.3
37.5°	97.4	72.5	63.5	52.1	47.6	43.1	40.8	36.3	36.3	36.3	36.3
40°	86.1	68.0	58.9	47.6	43.1	36.3	34.0	29.5	29.5	27.2	27.2
42.5°	74.8	61.2	52.1	40.8	36.3	31.7	27.2	22.7	22.7	20.4	20.4
45°	70.3	56.7	47.6	38.5	31.7	24.9	22.7	18.1	18.1	15.9	15.9
47.5°	68.0	54.4	45.3	34.0	27.2	20.4	18.1	13.6	13.6	13.6	13.6
50°	63.5	49.9	40.8	29.5	24.9	18.1	15.9	11.3	11.3	11.3	11.3
52.5°	61.2	47.6	36.3	24.9	20.4	13.6	11.3	9.1	9.1	9.1	9.1
55°	58.9	49.9	36.3	22.7	18.1	11.3	9.1	6.8	6.8	6.8	6.8
57.5°	56.7	47.6	34.0	18.1	13.6	9.1	6.8	4.5	4.5	4.5	4.5
60°	49.9	40.8	27.2	13.6	11.3	6.8	4.5	2.3	4.5	4.5	4.5
62.5°	43.1	31.7	22.7	11.3	9.1	4.5	4.5	2.3	4.5	4.5	4.5
65°	31.7	24.9	18.1	9.1	6.8	2.3	2.3	2.3	4.5	4.5	4.5
67.5°	24.9	18.1	13.6	6.8	4.5	2.3	2.3	2.3	4.5	4.5	4.5
70°	18.1	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°	11.3	6.8	6.8	4.5	4.5	2.3	4.5	4.5	6.8	6.8	6.8
77.5°	11.3	6.8	6.8	4.5	4.5	2.3	4.5	6.8	6.8	6.8	6.8
80°	11.3	6.8	6.8	4.5	4.5	2.3	4.5	6.8	6.8	6.8	6.8
82.5°	11.3	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°	1486.7	1486.7	1486.7	1486.7
2.5°	1067.4	1056.1	1042.5	1069.7
5°	802.3	793.2	784.1	800.0
7.5°	475.9	478.2	478.2	453.3
10°	355.8	335.4	312.7	312.7
12.5°	176.8	163.2	149.6	147.3
15°	126.9	129.2	131.4	131.4
17.5°	124.6	120.1	113.3	108.8
20°	111.0	115.6	117.8	117.8
22.5°	97.4	95.2	90.7	90.7
25°	97.4	99.7	102.0	102.0
27.5°	74.8	74.8	72.5	72.5
30°	72.5	72.5	72.5	72.5
32.5°	56.7	58.9	58.9	58.9
35°	47.6	47.6	47.6	47.6
37.5°	36.3	36.3	36.3	34.0
40°	27.2	27.2	27.2	27.2
42.5°	20.4	20.4	20.4	20.4
45°	15.9	15.9	15.9	15.9
47.5°	13.6	13.6	11.3	11.3
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)