

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: P560445

Luminaire Tested: **SDL-PA1-40-827-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560445
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-PA1-40-827-U-SL3
Description: Springdale
(1) 80 CRI, 2700K, 500mA 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: 3625.8 lumens
Efficiency: N/A
Efficacy: 92.0 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 - G2

Input Watts (W): 39.4
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



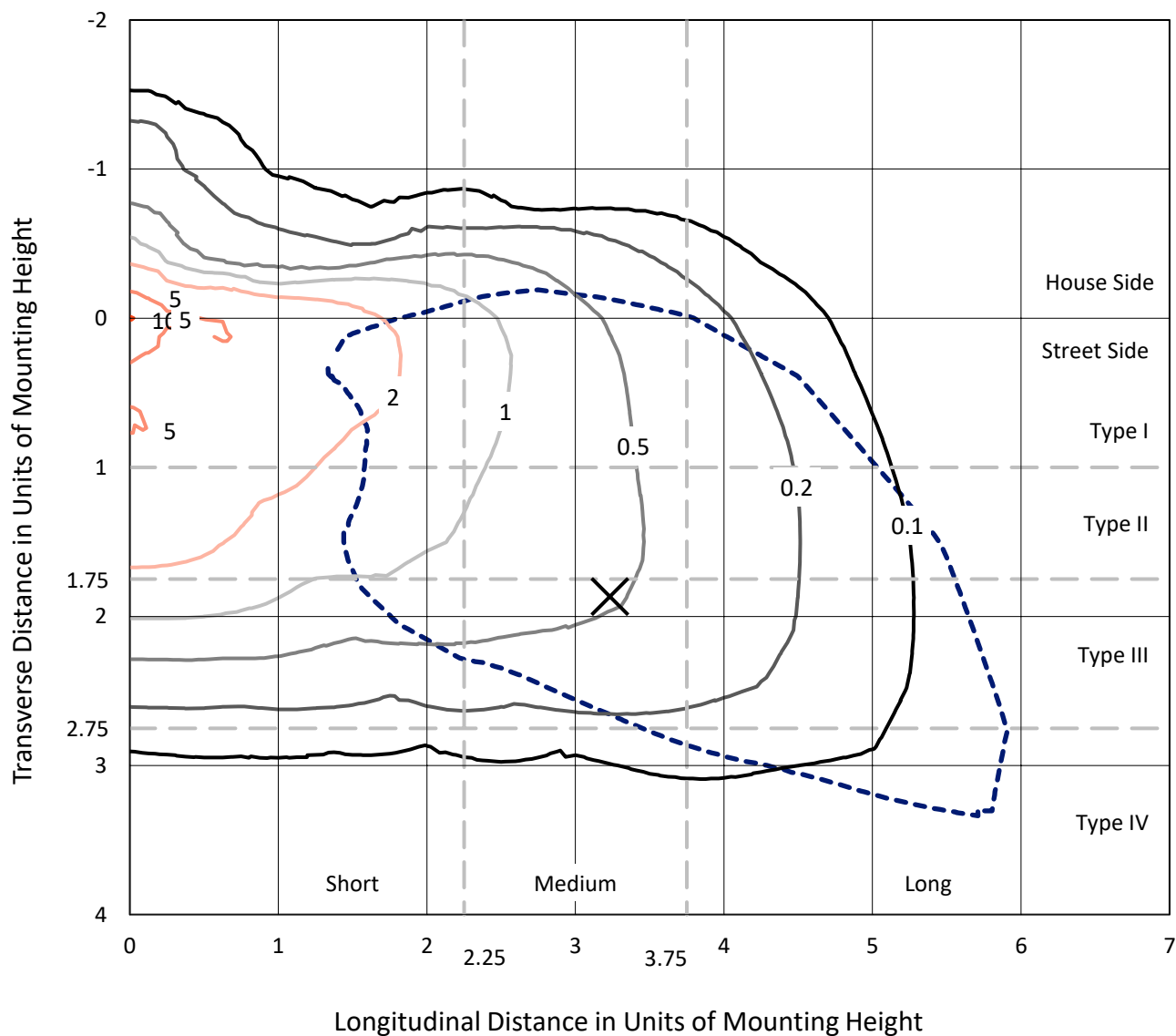
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

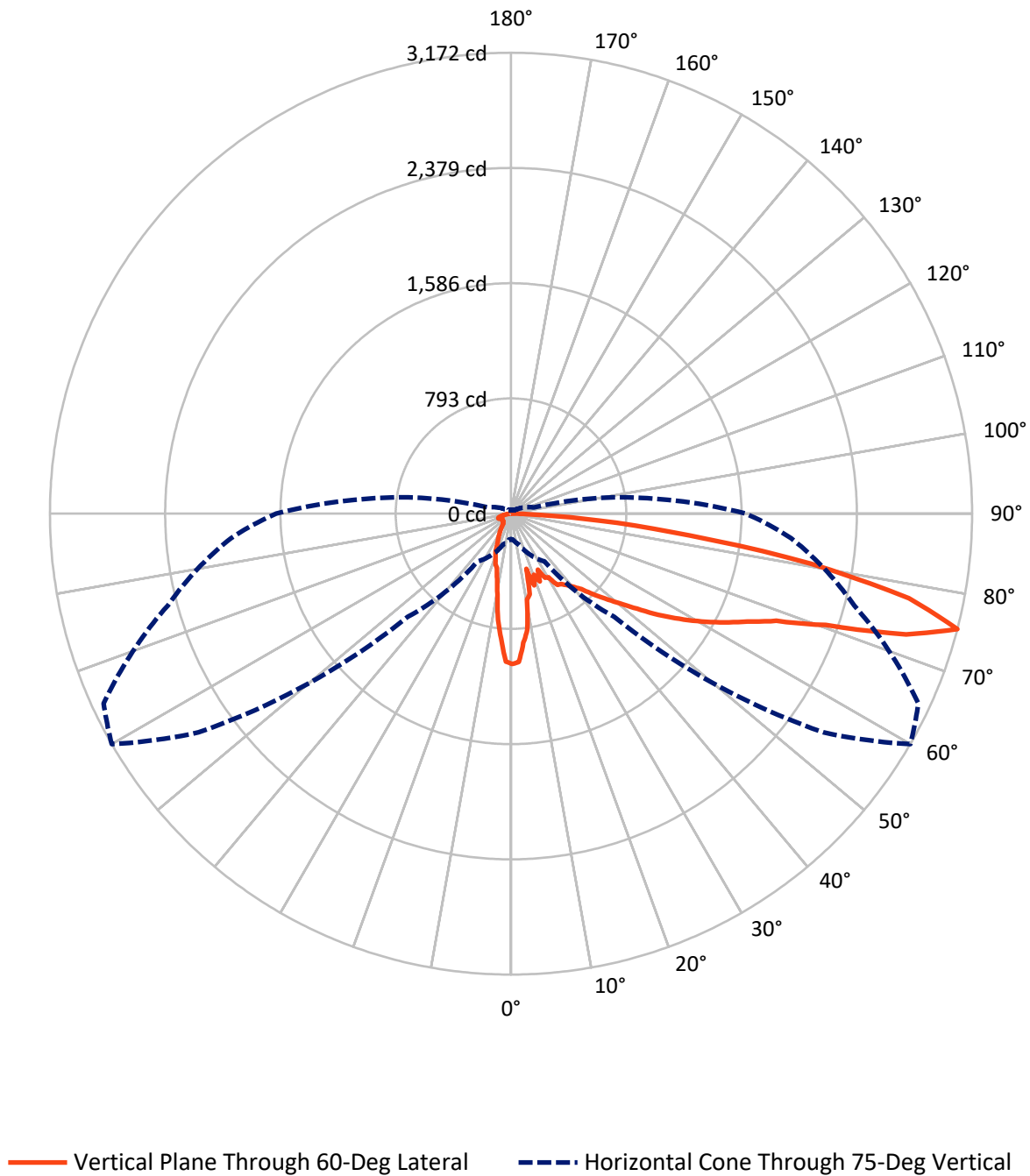


Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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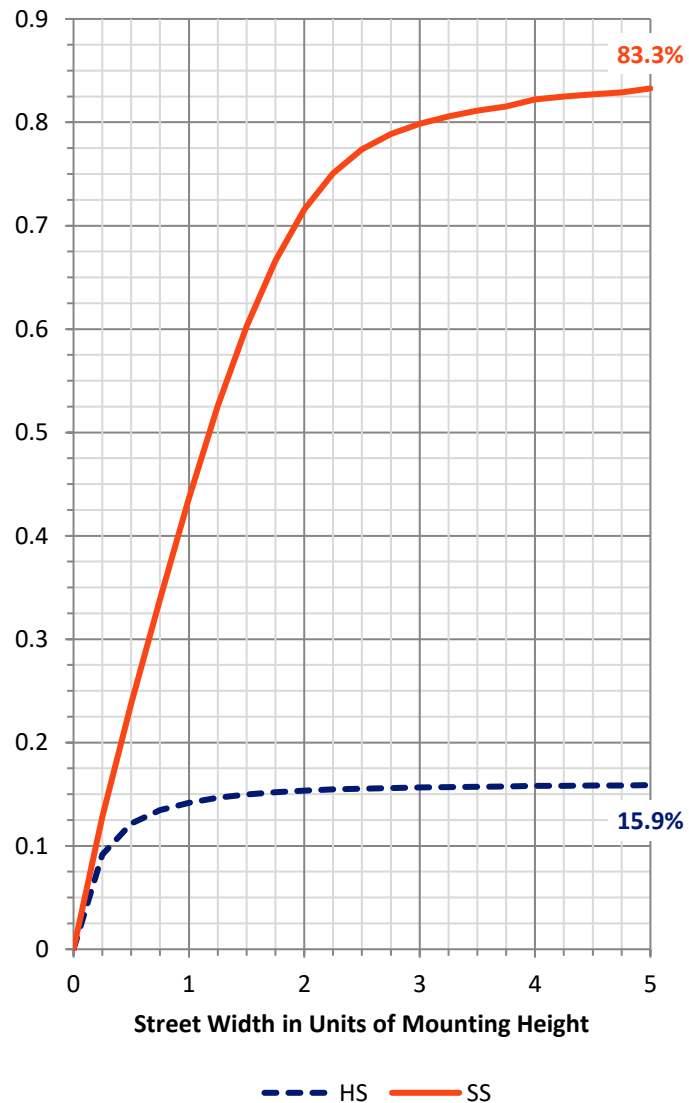
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	582.8	0.0	582.8
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	3043.0	0.0	3043.0
	% Fixture	83.9	0.0	83.9
Total	Lumens	3625.8	0.0	3625.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.4	2.1
10°-20°	136.1	3.8
20°-30°	178.3	4.9
30°-40°	294.2	8.1
40°-50°	459.5	12.7
50°-60°	699.6	19.3
60°-70°	866.8	23.9
70°-80°	765.7	21.1
80°-90°	150.1	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°	3625.8	100.0
0°-180°	3625.8	100.0

Coefficient of Utilization



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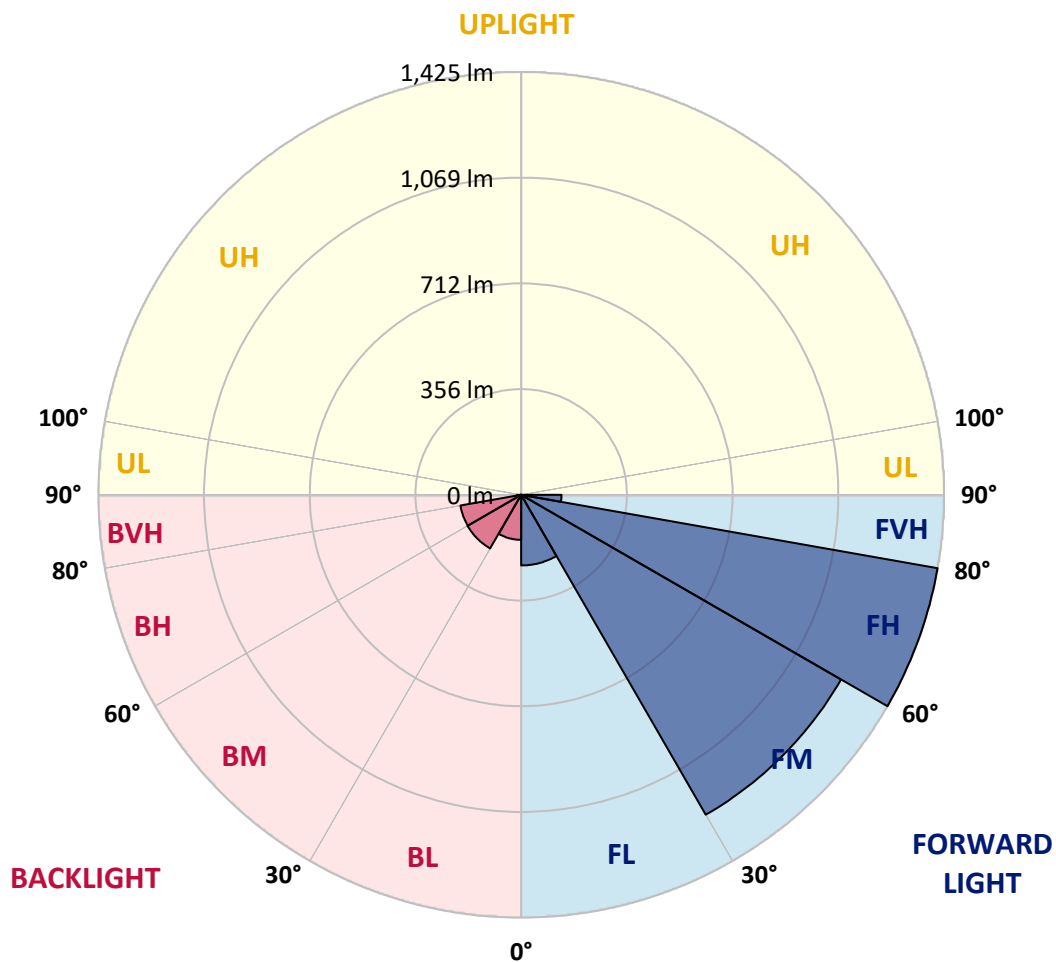
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	238.0	6.6			
FM	(30°-60°)	1244.5	34.3			
FH	(60°-80°)	1424.7	39.3			G1/1800
FVH	(80°-90°)	135.8	3.7			G2/225
BL	(0°-30°)	151.8	4.2	B1/500		
BM	(30°-60°)	208.8	5.8	B0/220		
BH	(60°-80°)	207.8	5.7	B1/500		G1/500
BVH	(80°-90°)	14.3	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-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1034.2	1034.2	1034.2	1034.2	1034.2	1034.2	1034.2	1034.2	1034.2	1034.2	1034.2
2.5°	859.0	955.9	933.3	910.8	945.3	978.5	989.1	998.4	1003.7	1009.0	1014.3
5°	797.9	799.2	800.6	801.9	805.9	808.5	813.8	819.1	824.5	828.4	833.8
7.5°	616.0	637.3	671.8	706.3	727.5	747.5	759.4	770.0	778.0	786.0	793.9
10°	685.1	689.0	690.4	690.4	697.0	703.6	653.2	601.4	626.6	651.9	624.0
12.5°	537.7	552.3	596.1	638.6	651.9	663.8	639.9	616.0	578.8	540.3	537.7
15°	617.3	621.3	622.7	622.7	581.5	540.3	512.5	483.3	505.8	527.1	477.9
17.5°	477.9	481.9	516.4	551.0	557.6	564.2	535.0	505.8	440.8	374.4	436.8
20°	568.2	570.9	570.9	570.9	501.8	432.8	438.1	442.1	463.3	484.6	467.3
22.5°	458.0	458.0	458.0	458.0	479.3	499.2	456.7	414.2	438.1	462.0	440.8
25°	576.2	580.2	570.9	560.3	496.5	432.8	452.7	472.6	436.8	400.9	432.8
27.5°	525.7	521.8	503.2	483.3	492.5	501.8	458.0	414.2	442.1	470.0	456.7
30°	698.3	686.4	666.5	646.6	570.9	495.2	483.3	471.3	447.4	422.2	450.1
32.5°	928.0	897.5	804.5	711.6	665.1	618.7	558.9	499.2	493.9	487.2	495.2
35°	989.1	969.2	930.7	890.8	811.2	730.2	654.5	577.5	552.3	525.7	531.1
37.5°	1001.0	994.4	986.4	977.1	896.1	815.2	732.9	650.5	624.0	596.1	576.2
40°	1010.3	1015.6	1030.2	1043.5	962.5	880.2	805.9	730.2	702.3	673.1	638.6
42.5°	1052.8	1067.4	1086.0	1103.3	1028.9	954.6	889.5	824.5	788.6	752.8	720.9
45°	1151.1	1159.0	1178.9	1197.5	1127.2	1055.5	981.1	905.4	874.9	844.4	812.5
47.5°	1294.4	1307.7	1306.4	1305.1	1226.7	1147.1	1063.4	978.5	958.5	937.3	906.8
50°	1475.0	1465.7	1440.5	1415.3	1330.3	1244.0	1145.7	1046.2	1036.9	1026.3	1001.0
52.5°	1565.3	1558.6	1524.1	1488.3	1402.0	1315.7	1209.5	1101.9	1113.9	1125.8	1101.9
55°	1570.6	1566.6	1541.4	1516.2	1432.5	1348.9	1254.6	1160.3	1189.6	1218.8	1209.5
57.5°	1532.1	1533.4	1525.4	1516.2	1441.8	1367.5	1289.1	1210.8	1261.2	1310.4	1319.7
60°	1433.8	1453.8	1467.0	1480.3	1433.8	1387.4	1319.7	1252.0	1329.0	1406.0	1431.2
62.5°	1252.0	1269.2	1317.0	1363.5	1372.8	1380.7	1335.6	1289.1	1392.7	1494.9	1536.1
65°	970.5	994.4	1066.1	1137.8	1212.1	1286.5	1297.1	1307.7	1483.0	1658.2	1692.7
67.5°	605.4	618.7	694.3	768.7	918.7	1067.4	1152.4	1237.3	1540.0	1841.4	1895.9
70°	320.0	339.9	377.0	412.9	541.7	670.5	843.0	1015.6	1453.8	1891.9	2114.9
72.5°	243.0	250.9	270.8	290.8	335.9	381.0	489.9	598.8	1137.8	1675.5	2189.3
75°	175.2	181.9	203.1	223.0	268.2	312.0	357.1	400.9	702.3	1003.7	1814.9
77.5°	102.2	104.9	115.5	124.8	195.2	265.5	314.6	362.4	435.5	507.2	1295.8
80°	70.4	71.7	75.7	79.7	110.2	140.7	235.0	329.3	362.4	394.3	859.0
82.5°	46.5	53.1	55.8	58.4	69.0	79.7	138.1	195.2	286.8	377.0	586.8
85°	23.9	26.6	31.9	35.8	41.2	45.1	62.4	78.3	237.6	395.6	422.2
87.5°	2.7	4.0	5.3	5.3	6.6	8.0	11.9	15.9	71.7	127.5	108.9
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°	1034.2	1034.2	1034.2	1034.2	1034.2	1034.2	1034.2	1034.2	1034.2	1034.2	1034.2
2.5°	1019.6	1022.3	1020.9	1023.6	1024.9	1026.3	1027.6	1027.6	1026.3	1023.6	1020.9
5°	839.1	892.2	982.4	991.7	1001.0	1003.7	1006.3	1007.7	1005.0	1001.0	997.0
7.5°	800.6	808.5	727.5	792.6	856.3	861.6	865.6	863.0	864.3	828.4	791.3
10°	596.1	602.7	605.4	625.3	643.9	687.7	731.5	724.9	719.6	655.8	590.8
12.5°	535.0	569.6	577.5	544.3	511.1	556.3	601.4	596.1	586.8	528.4	470.0
15°	428.8	393.0	470.0	541.7	612.0	654.5	695.7	683.7	673.1	598.8	523.1
17.5°	497.9	519.1	493.9	504.5	515.1	547.0	577.5	558.9	552.3	500.5	447.4
20°	450.1	448.7	431.5	493.9	556.3	618.7	679.7	661.2	629.3	528.4	426.2
22.5°	419.5	505.8	543.0	535.0	525.7	501.8	476.6	460.7	436.8	414.2	390.3
25°	463.3	427.5	456.7	552.3	646.6	663.8	681.1	641.2	589.5	487.2	385.0
27.5°	443.4	499.2	536.4	600.1	662.5	722.2	782.0	728.9	661.2	533.7	404.9
30°	477.9	508.5	612.0	731.5	851.0	872.3	892.2	819.1	728.9	600.1	471.3
32.5°	503.2	584.2	675.8	768.7	860.3	876.2	892.2	809.9	706.3	564.2	422.2
35°	535.0	594.8	678.4	787.3	896.1	900.1	902.8	807.2	690.4	529.7	367.8
37.5°	556.3	624.0	714.3	829.8	945.3	937.3	928.0	819.1	685.1	505.8	326.6
40°	604.1	662.5	759.4	877.6	995.7	982.4	969.2	844.4	686.4	481.9	276.1
42.5°	687.7	710.3	815.2	941.3	1067.4	1052.8	1036.9	888.2	702.3	468.7	233.7
45°	779.3	789.9	880.2	1023.6	1167.0	1148.4	1129.8	955.9	731.5	462.0	192.5
47.5°	874.9	872.3	955.9	1129.8	1302.4	1262.6	1222.7	1035.5	786.0	475.3	164.6
50°	974.5	970.5	1051.5	1238.7	1425.9	1383.4	1340.9	1131.1	848.4	499.2	148.7
52.5°	1076.7	1086.0	1145.7	1340.9	1534.7	1496.2	1456.4	1234.7	909.4	525.7	142.1
55°	1198.8	1228.1	1252.0	1447.1	1642.3	1603.8	1563.9	1340.9	994.4	566.9	139.4
57.5°	1327.6	1366.1	1376.8	1554.7	1732.6	1707.3	1680.8	1441.8	1080.7	614.7	147.4
60°	1456.4	1506.9	1545.4	1688.7	1830.8	1801.6	1772.4	1544.0	1161.7	667.8	173.9
62.5°	1575.9	1646.3	1708.7	1813.5	1917.1	1882.6	1848.1	1633.0	1253.3	740.8	227.0
65°	1725.9	1788.3	1856.0	1925.1	1992.8	1959.6	1926.4	1744.5	1375.4	832.4	288.1
67.5°	1950.3	1968.9	2003.4	2045.9	2087.0	2067.1	2045.9	1881.2	1481.6	885.5	288.1
70°	2336.6	2295.5	2243.7	2242.4	2239.7	2207.8	2174.7	1958.3	1488.3	864.3	240.3
72.5°	2701.7	2842.5	2677.8	2558.3	2438.9	2298.1	2156.1	1854.7	1314.4	752.8	191.2
75°	2624.7	3171.7	3092.0	2768.1	2444.2	2189.3	1934.4	1615.7	1082.0	622.7	163.3
77.5°	2083.0	2798.6	2874.3	2576.9	2278.2	1933.0	1586.5	1249.3	750.1	443.4	136.7
80°	1322.3	2092.3	2105.6	1829.5	1552.0	1181.6	811.2	544.3	361.1	235.0	108.9
82.5°	796.6	1238.7	1078.0	772.7	467.3	323.9	179.2	172.6	132.8	98.2	63.7
85°	448.7	606.7	435.5	285.4	135.4	96.9	57.1	61.1	58.4	47.8	35.8
87.5°	89.0	104.9	71.7	41.2	10.6	10.6	9.3	9.3	6.6	6.6	5.3
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1034.2	1034.2	1034.2	1034.2	1034.2	1034.2	1034.2	1034.2	1034.2	1034.2	1034.2
2.5°	1020.9	1020.9	1018.3	1015.6	1014.3	1013.0	973.2	933.3	906.8	878.9	872.3
5°	947.9	898.8	861.6	824.5	816.5	808.5	807.2	805.9	801.9	796.6	795.2
7.5°	748.8	705.0	735.5	764.7	759.4	752.8	748.8	743.5	734.2	724.9	678.4
10°	576.2	561.6	561.6	560.3	549.6	539.0	562.9	586.8	613.4	639.9	637.3
12.5°	491.2	511.1	459.4	406.3	435.5	463.3	489.9	515.1	528.4	541.7	500.5
15°	463.3	402.3	385.0	367.8	381.0	394.3	355.8	316.0	346.5	377.0	383.7
17.5°	415.5	383.7	366.4	347.8	297.4	245.6	262.9	280.1	278.8	277.5	270.8
20°	387.7	347.8	317.3	285.4	261.5	237.6	212.4	185.9	173.9	160.6	192.5
22.5°	369.1	347.8	284.1	220.4	201.8	183.2	163.3	142.1	150.0	156.7	162.0
25°	322.6	258.9	223.0	187.2	158.0	127.5	128.8	130.1	123.5	116.8	147.4
27.5°	326.6	246.9	191.2	135.4	124.8	112.8	106.2	98.2	108.9	118.2	120.8
30°	342.5	213.7	162.0	110.2	98.2	86.3	90.3	92.9	92.9	92.9	106.2
32.5°	304.0	185.9	138.1	89.0	82.3	74.3	75.7	75.7	82.3	89.0	95.6
35°	257.6	146.0	112.8	78.3	71.7	65.1	67.7	70.4	77.0	83.6	92.9
37.5°	221.7	115.5	92.9	70.4	66.4	62.4	63.7	65.1	71.7	77.0	85.0
40°	187.2	96.9	82.3	67.7	63.7	59.7	61.1	61.1	66.4	71.7	77.0
42.5°	162.0	89.0	78.3	66.4	62.4	57.1	58.4	58.4	62.4	66.4	70.4
45°	139.4	85.0	75.7	65.1	61.1	55.8	55.8	54.4	58.4	61.1	63.7
47.5°	124.8	83.6	74.3	65.1	59.7	53.1	51.8	50.4	54.4	57.1	61.1
50°	116.8	83.6	74.3	63.7	57.1	50.4	49.1	47.8	53.1	57.1	63.7
52.5°	114.2	85.0	74.3	63.7	55.8	47.8	47.8	47.8	57.1	66.4	69.0
55°	114.2	87.6	75.7	62.4	54.4	46.5	49.1	51.8	54.4	57.1	57.1
57.5°	116.8	86.3	73.0	59.7	54.4	47.8	46.5	45.1	46.5	47.8	47.8
60°	128.8	83.6	70.4	57.1	50.4	43.8	42.5	41.2	43.8	45.1	45.1
62.5°	155.3	82.3	70.4	57.1	49.1	41.2	41.2	39.8	41.2	42.5	43.8
65°	189.9	91.6	74.3	57.1	49.1	41.2	38.5	35.8	38.5	39.8	39.8
67.5°	197.8	107.5	86.3	63.7	51.8	39.8	37.2	34.5	37.2	38.5	38.5
70°	179.2	118.2	92.9	67.7	54.4	39.8	37.2	33.2	34.5	35.8	34.5
72.5°	154.0	115.5	91.6	66.4	53.1	38.5	35.8	31.9	33.2	33.2	31.9
75°	131.4	99.6	78.3	55.8	45.1	33.2	30.5	27.9	29.2	29.2	29.2
77.5°	110.2	82.3	63.7	43.8	35.8	26.6	25.2	23.9	25.2	26.6	25.2
80°	86.3	62.4	47.8	31.9	26.6	19.9	21.2	21.2	22.6	22.6	22.6
82.5°	50.4	37.2	30.5	22.6	18.6	14.6	15.9	17.3	18.6	18.6	18.6
85°	30.5	23.9	19.9	15.9	13.3	9.3	11.9	13.3	13.3	13.3	11.9
87.5°	5.3	5.3	5.3	5.3	4.0	2.7	5.3	6.6	6.6	6.6	5.3
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):

	165°	170°	175°	180°
0°	1034.2	1034.2	1034.2	1034.2
2.5°	864.3	864.3	863.0	863.0
5°	793.9	791.3	788.6	791.3
7.5°	632.0	613.4	594.8	600.1
10°	633.3	632.0	630.6	629.3
12.5°	458.0	443.4	428.8	419.5
15°	389.0	385.0	379.7	379.7
17.5°	262.9	250.9	239.0	231.0
20°	224.4	231.0	236.3	239.0
22.5°	167.3	172.6	177.9	180.6
25°	176.6	189.9	201.8	203.1
27.5°	122.1	128.8	134.1	131.4
30°	119.5	123.5	127.5	127.5
32.5°	102.2	112.8	123.5	124.8
35°	102.2	107.5	112.8	114.2
37.5°	91.6	95.6	98.2	99.6
40°	82.3	85.0	86.3	86.3
42.5°	73.0	79.7	85.0	85.0
45°	65.1	82.3	99.6	104.9
47.5°	63.7	89.0	114.2	119.5
50°	69.0	92.9	115.5	118.2
52.5°	70.4	83.6	95.6	95.6
55°	55.8	62.4	67.7	66.4
57.5°	47.8	53.1	57.1	57.1
60°	45.1	51.8	57.1	58.4
62.5°	43.8	46.5	49.1	51.8
65°	39.8	39.8	39.8	39.8
67.5°	37.2	37.2	35.8	35.8
70°	33.2	33.2	33.2	33.2
72.5°	30.5	30.5	30.5	29.2
75°	27.9	27.9	26.6	26.6
77.5°	23.9	23.9	23.9	23.9
80°	21.2	21.2	19.9	19.9
82.5°	17.3	17.3	15.9	14.6
85°	10.6	10.6	9.3	8.0
87.5°	4.0	4.0	2.7	1.3
90°	0.0	0.0	0.0	0.0

(END OF REPORT)