

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: P507488

Luminaire Tested: **VERD-S-CA1-30-730-U-T2-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-30-730-U-T2-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 590mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4359.6 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

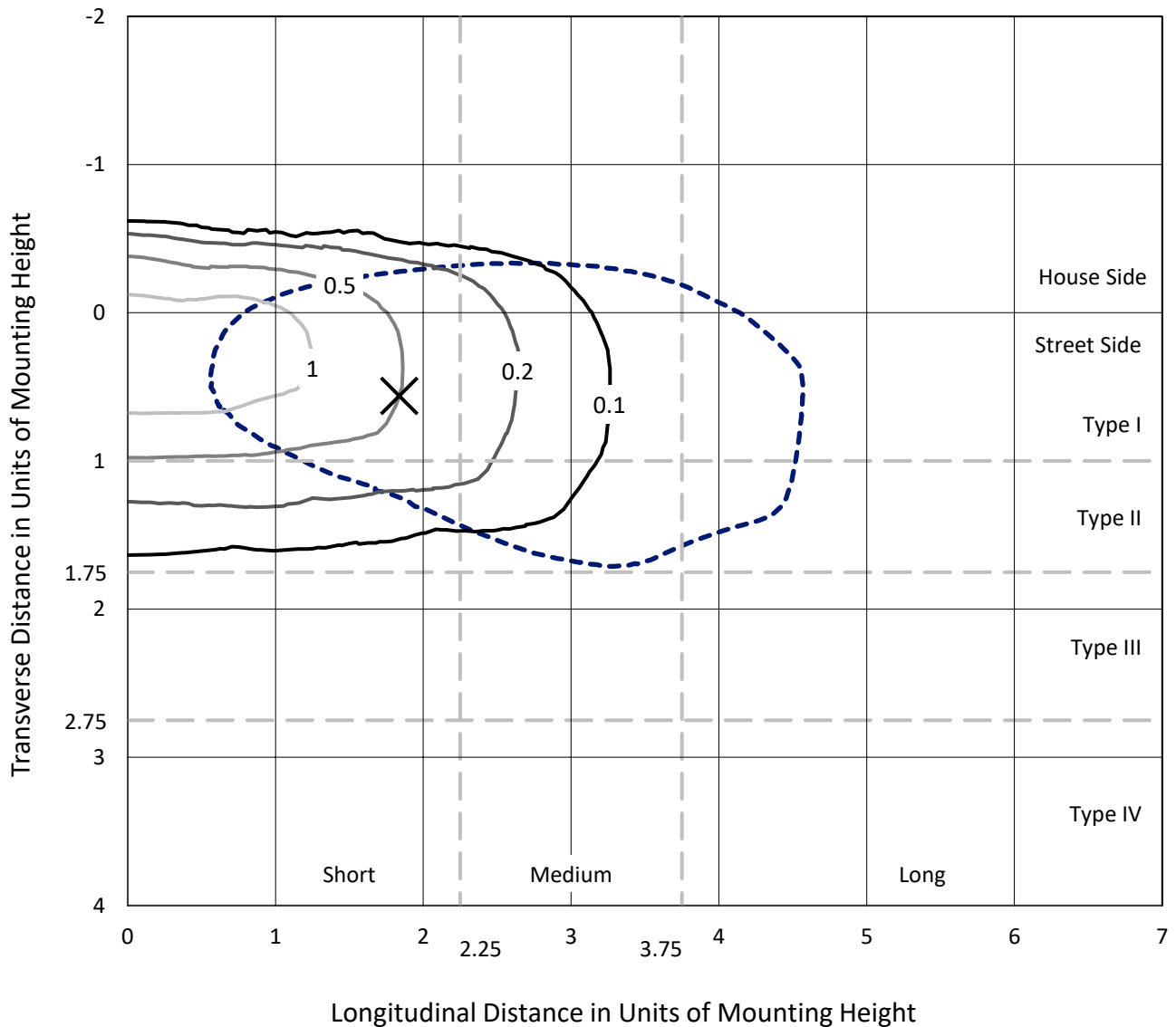
Input Watts (W): 34
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

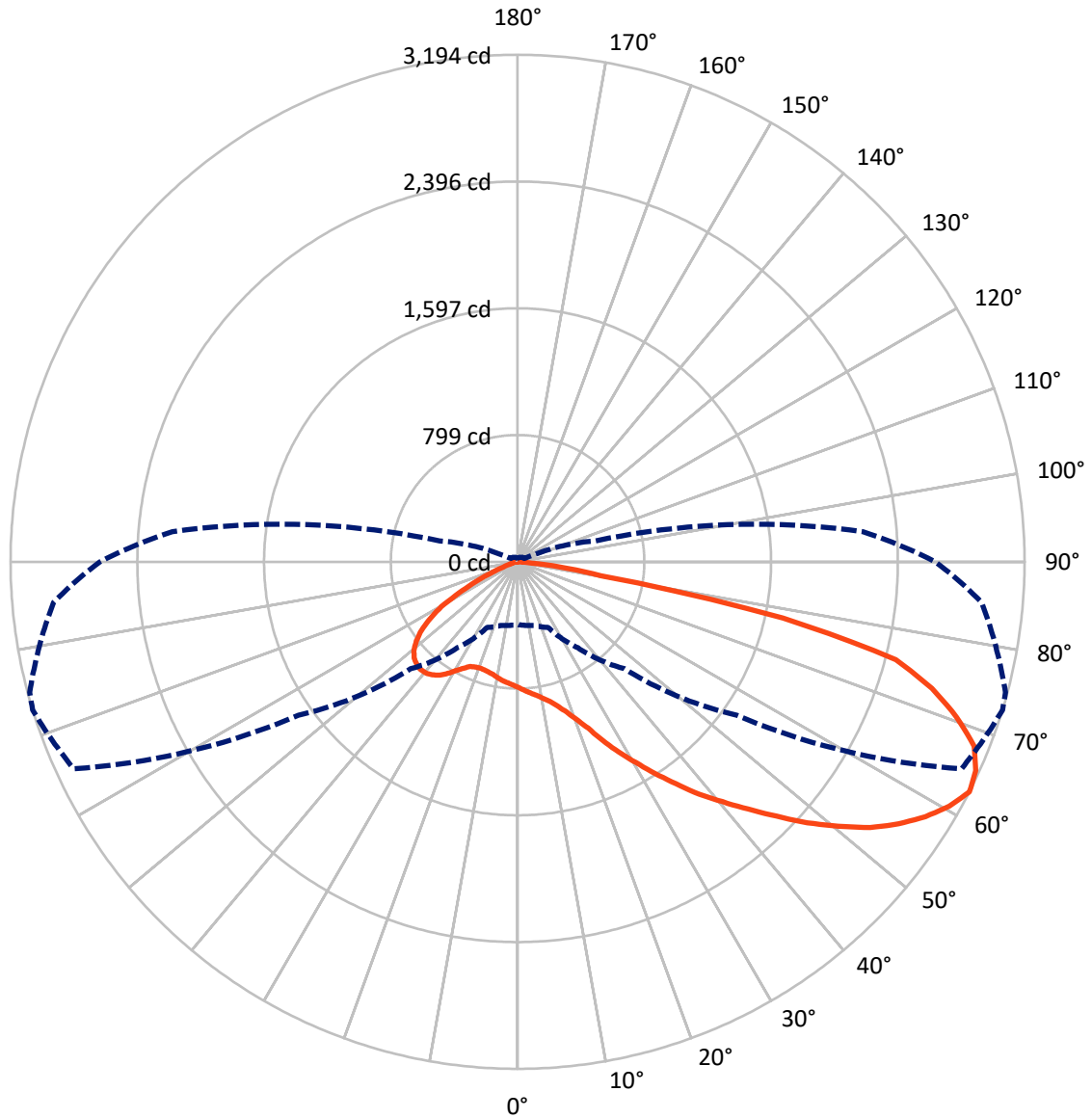
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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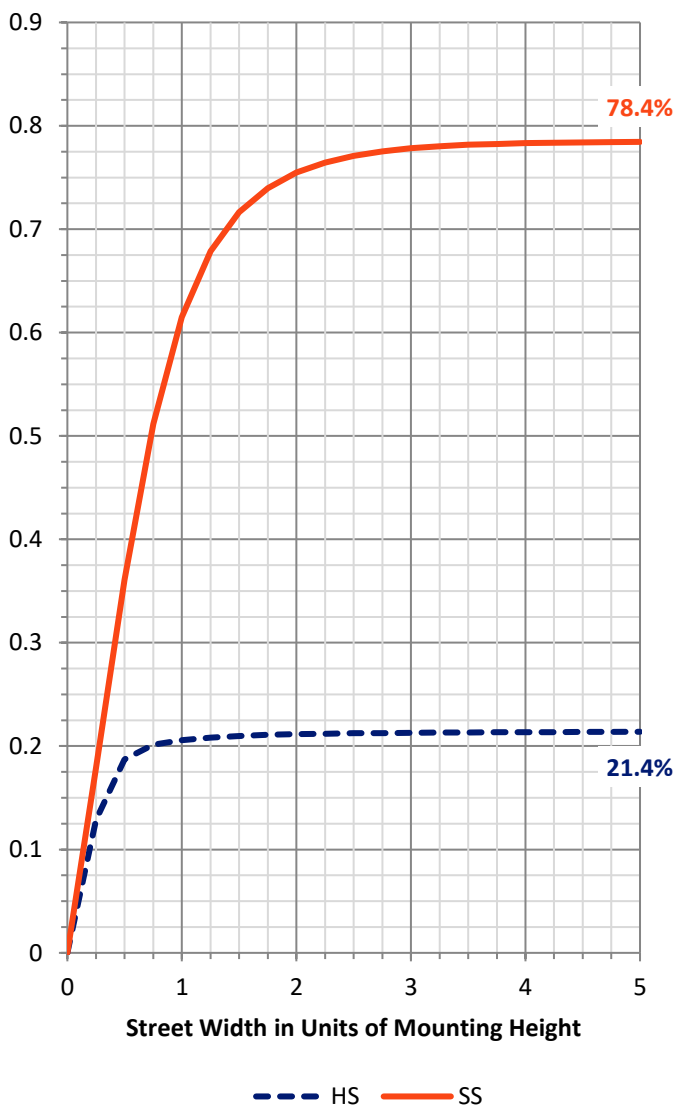
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	944.3	0.0	944.3
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3415.3	0.0	3415.3
	% Fixture	78.3	0.0	78.3
Total	Lumens	4359.6	0.0	4359.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.7	1.7
10°-20°	228.0	5.2
20°-30°	394.4	9.0
30°-40°	579.2	13.3
40°-50°	752.9	17.3
50°-60°	872.9	20.0
60°-70°	878.5	20.2
70°-80°	535.3	12.3
80°-90°	42.6	1.0
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°	4359.6	100.0
0°-180°	4359.6	100.0

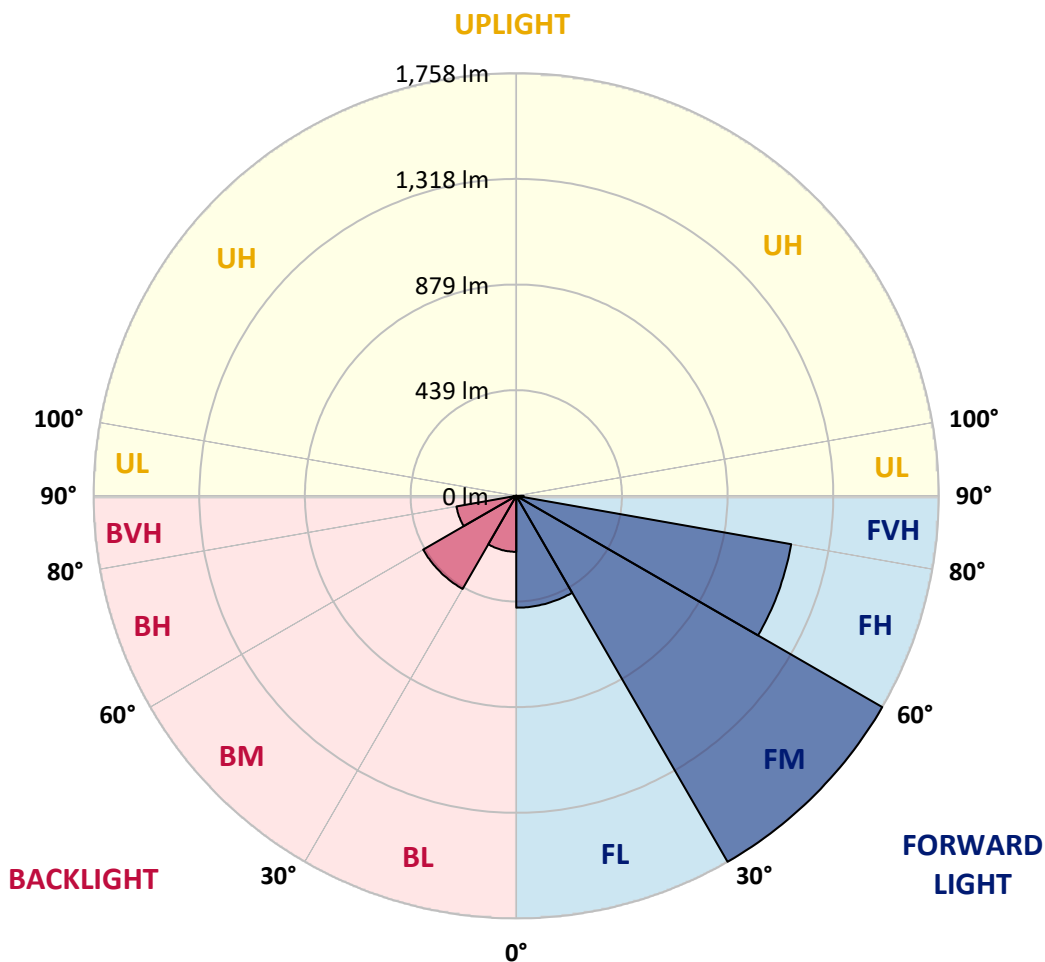


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	465.3	10.7			
FM (30°-60°)	1757.7	40.3			
FH (60°-80°)	1161.3	26.6			G1/1800
FVH (80°-90°)	31.0	0.7			G1/100
BL (0°-30°)	232.8	5.3	B1/500		
BM (30°-60°)	447.3	10.3	B1/1000		
BH (60°-80°)	252.5	5.8	B1/500		G1/500
BVH (80°-90°)	11.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0
2.5°	845.2	845.2	843.9	842.6	837.2	831.9	823.9	817.3	810.6	808.0	797.3
5°	894.5	894.5	893.1	887.8	881.1	871.8	858.5	841.2	829.2	827.9	809.2
7.5°	935.7	934.4	933.0	930.4	923.7	911.7	891.8	869.2	849.1	843.9	821.3
10°	975.6	977.0	974.3	967.7	959.7	945.0	925.1	898.4	874.5	866.5	831.9
12.5°	1018.3	1016.9	1012.9	1004.9	994.2	982.3	961.0	934.4	902.4	894.5	849.1
15°	1054.2	1055.6	1048.9	1043.5	1032.9	1019.5	1000.9	974.3	942.3	933.0	874.5
17.5°	1086.2	1086.2	1084.8	1082.1	1074.1	1064.8	1046.2	1027.6	994.2	979.6	913.1
20°	1110.1	1111.4	1114.1	1119.4	1120.7	1112.7	1103.4	1090.1	1058.2	1043.5	961.0
22.5°	1131.4	1134.0	1144.7	1160.6	1174.0	1174.0	1172.7	1171.3	1139.3	1130.0	1031.5
25°	1136.7	1140.7	1164.6	1199.3	1220.6	1237.8	1261.9	1271.2	1247.1	1231.3	1123.3
27.5°	1144.7	1148.6	1175.3	1216.5	1269.8	1308.3	1351.0	1375.0	1357.6	1341.7	1228.5
30°	1138.1	1143.4	1172.7	1231.3	1301.8	1382.9	1436.2	1472.1	1466.8	1457.5	1337.7
32.5°	1120.7	1126.1	1160.6	1232.5	1340.3	1458.8	1518.7	1574.6	1589.2	1581.3	1452.2
35°	1086.2	1091.5	1134.0	1221.9	1359.0	1516.0	1601.2	1683.8	1717.0	1711.7	1577.2
37.5°	1042.2	1042.2	1092.7	1190.0	1365.6	1560.0	1674.5	1792.9	1858.1	1850.2	1703.7
40°	969.0	982.3	1044.9	1155.3	1354.9	1591.9	1745.0	1906.1	1987.2	1983.3	1840.8
42.5°	895.7	906.4	966.3	1095.5	1329.7	1610.5	1803.6	2024.5	2129.6	2127.0	1972.6
45°	830.6	838.6	887.8	1012.9	1276.5	1615.9	1859.5	2150.9	2286.7	2281.4	2107.0
47.5°	746.7	762.7	825.2	935.7	1203.3	1599.9	1911.4	2309.4	2457.1	2451.7	2252.1
50°	565.6	576.3	706.8	873.2	1108.7	1560.0	1953.9	2465.0	2618.1	2607.5	2383.9
52.5°	513.7	520.4	561.7	796.0	1020.9	1488.1	1980.5	2651.4	2781.8	2764.5	2519.6
55°	480.5	485.8	509.8	637.5	943.7	1366.9	1988.6	2827.1	2913.7	2896.3	2644.8
57.5°	451.3	453.9	477.8	543.1	851.9	1213.9	1960.6	2957.5	3029.4	3010.8	2752.6
60°	420.7	424.6	447.2	495.1	741.3	1072.8	1874.1	3061.4	3125.3	3109.3	2847.0
62.5°	395.3	400.6	415.3	456.6	661.5	953.0	1685.1	3085.3	3194.4	3182.4	2935.0
65°	364.7	368.7	387.3	421.9	579.0	878.5	1493.4	3014.8	3171.9	3186.5	2984.2
67.5°	328.7	332.8	348.7	375.3	485.8	799.9	1325.7	2914.9	3102.6	3122.6	2948.2
70°	284.9	287.5	303.5	328.7	403.3	697.5	1150.0	2768.6	2935.0	2949.6	2805.9
72.5°	236.9	236.9	248.9	278.2	331.4	577.7	922.4	2459.8	2729.9	2765.9	2564.9
75°	99.9	105.2	126.5	153.0	211.6	421.9	630.9	1894.0	2462.4	2493.0	2265.4
77.5°	20.0	21.3	23.9	35.9	55.9	183.6	195.7	826.6	1709.0	1729.0	1654.4
80°	16.0	16.0	17.3	26.6	37.3	85.1	63.9	270.2	532.4	685.5	883.8
82.5°	5.3	6.7	9.3	14.6	18.6	18.6	21.3	135.8	263.5	283.5	356.7
85°	2.6	2.6	4.0	5.3	5.3	5.3	5.3	23.9	45.2	54.5	75.8
87.5°	1.4	0.0	0.0	0.0	0.0	0.0	1.4	2.6	4.0	4.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0
2.5°	792.0	787.9	778.6	772.1	762.7	754.7	745.4	740.1	737.4	736.0	733.4
5°	798.6	787.9	769.3	749.4	732.0	718.8	700.1	690.8	685.5	682.8	681.5
7.5°	806.6	793.3	761.4	730.7	700.1	677.5	654.9	640.2	633.5	632.3	630.9
10°	812.0	790.6	748.0	714.8	674.8	638.9	612.2	595.0	585.7	584.3	583.0
12.5°	822.6	794.6	737.4	689.4	648.2	601.6	573.7	553.7	544.3	536.4	536.4
15°	839.8	803.9	732.0	668.2	613.6	568.4	532.4	511.1	504.4	493.8	491.2
17.5°	869.2	821.3	728.1	646.9	581.6	536.4	493.8	471.2	467.1	457.8	452.5
20°	905.1	846.5	730.7	627.0	548.4	496.5	453.9	431.2	417.9	410.0	407.3
22.5°	962.4	883.8	740.1	612.2	519.2	460.6	415.3	379.4	350.0	339.4	339.4
25°	1043.5	947.7	756.1	600.3	489.8	426.0	370.0	308.8	270.2	255.5	251.5
27.5°	1135.4	1028.9	793.3	589.7	465.9	387.3	304.8	236.9	195.7	182.4	182.4
30°	1240.5	1114.1	838.6	583.0	436.5	328.7	230.2	173.1	139.8	125.1	123.8
32.5°	1344.4	1201.9	891.8	577.7	405.9	256.9	166.4	126.5	98.5	87.8	89.2
35°	1448.1	1288.4	937.0	577.7	355.4	185.0	118.5	87.8	70.5	65.2	65.2
37.5°	1565.3	1385.6	972.9	569.7	279.5	131.7	81.2	63.9	58.6	55.9	55.9
40°	1686.4	1476.1	997.0	552.4	199.6	90.6	57.2	55.9	53.3	49.2	47.9
42.5°	1799.5	1579.9	1011.6	519.2	130.5	59.9	50.6	51.9	50.6	44.0	42.6
45°	1919.3	1663.8	1019.5	452.5	86.5	49.2	45.2	47.9	49.2	44.0	42.6
47.5°	2039.1	1755.6	1024.8	352.8	57.2	47.9	42.6	46.6	47.9	42.6	41.3
50°	2165.5	1839.5	1016.9	226.3	50.6	45.2	41.3	42.6	45.2	42.6	41.3
52.5°	2276.0	1915.4	979.6	126.5	49.2	44.0	38.5	39.9	44.0	41.3	41.3
55°	2389.2	1989.8	910.5	74.6	47.9	41.3	38.5	39.9	41.3	38.5	39.9
57.5°	2491.7	2061.8	806.6	61.2	47.9	39.9	39.9	37.3	37.3	34.6	34.6
60°	2570.2	2127.0	682.8	57.2	45.2	41.3	37.3	34.6	32.0	29.2	29.2
62.5°	2632.8	2182.9	507.1	53.3	44.0	39.9	34.6	30.6	26.6	23.9	23.9
65°	2667.4	2194.9	358.1	47.9	41.3	38.5	32.0	26.6	21.3	20.0	20.0
67.5°	2627.4	2132.3	218.3	45.2	38.5	37.3	30.6	23.9	18.6	17.3	17.3
70°	2474.4	1964.6	122.4	41.3	34.6	33.3	28.0	21.3	17.3	14.6	14.6
72.5°	2221.5	1718.3	61.2	34.6	29.2	29.2	25.3	18.6	16.0	13.3	13.3
75°	1876.7	1409.6	44.0	25.3	23.9	23.9	21.3	17.3	14.6	12.0	12.0
77.5°	1375.0	929.1	35.9	21.3	17.3	17.3	18.6	16.0	13.3	10.7	10.7
80°	712.1	460.6	30.6	16.0	14.6	13.3	13.3	13.3	10.7	9.3	9.3
82.5°	315.5	177.1	20.0	12.0	12.0	10.7	10.7	10.7	9.3	7.9	7.9
85°	61.2	33.3	10.7	9.3	7.9	7.9	7.9	6.7	6.7	6.7	6.7
87.5°	5.3	5.3	5.3	5.3	5.3	4.0	4.0	4.0	4.0	4.0	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)