

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: P507568

Luminaire Tested: **VERD-S-CA1-50-722-U-T2-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507568
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-CA1-50-722-U-T2-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 940mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5592 lumens
Efficiency: N/A
Efficacy: 104.5 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

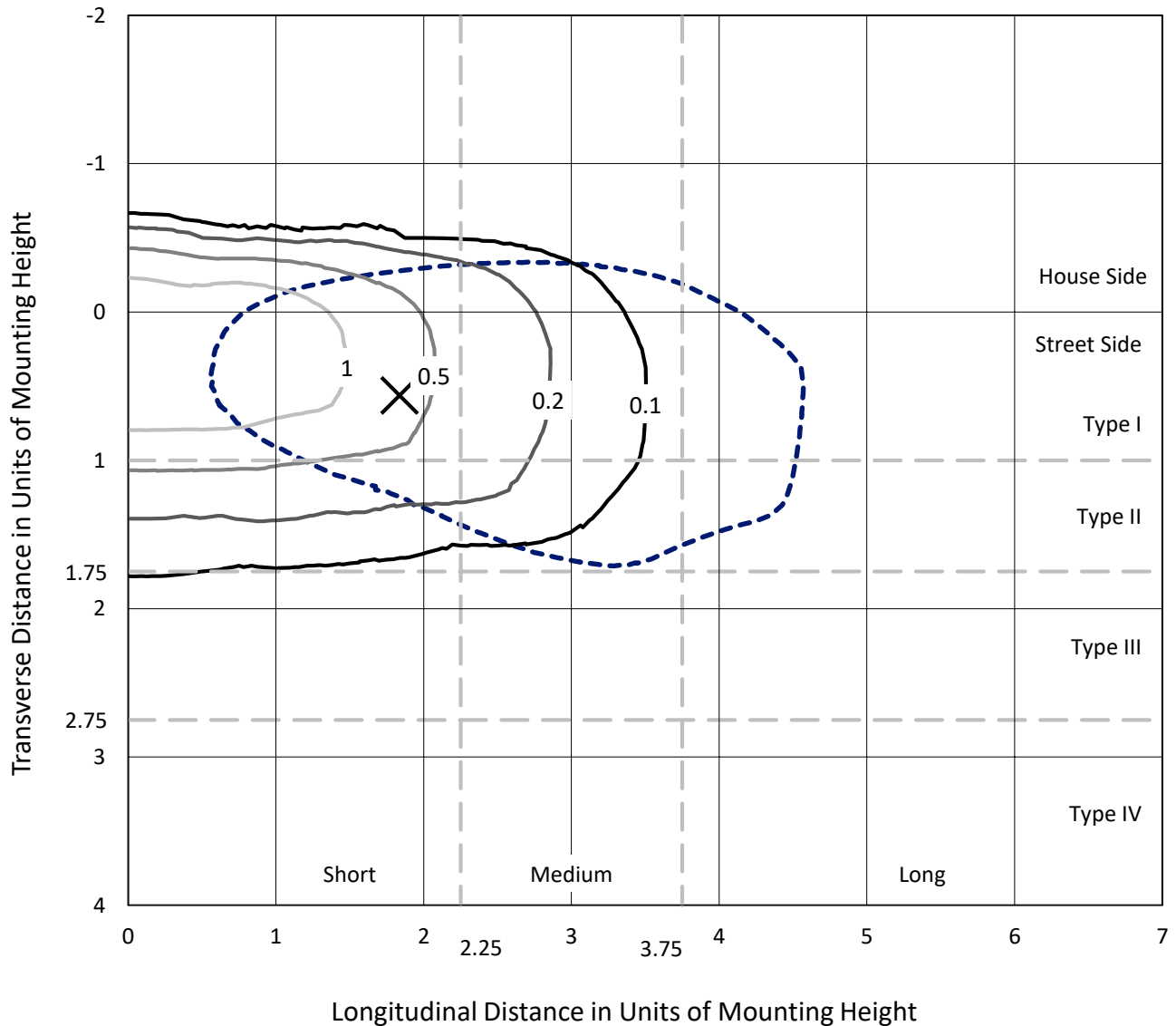
Input Watts (W): 53.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P507568
 CATALOG NUMBER: VERD-S-CA1-50-722-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

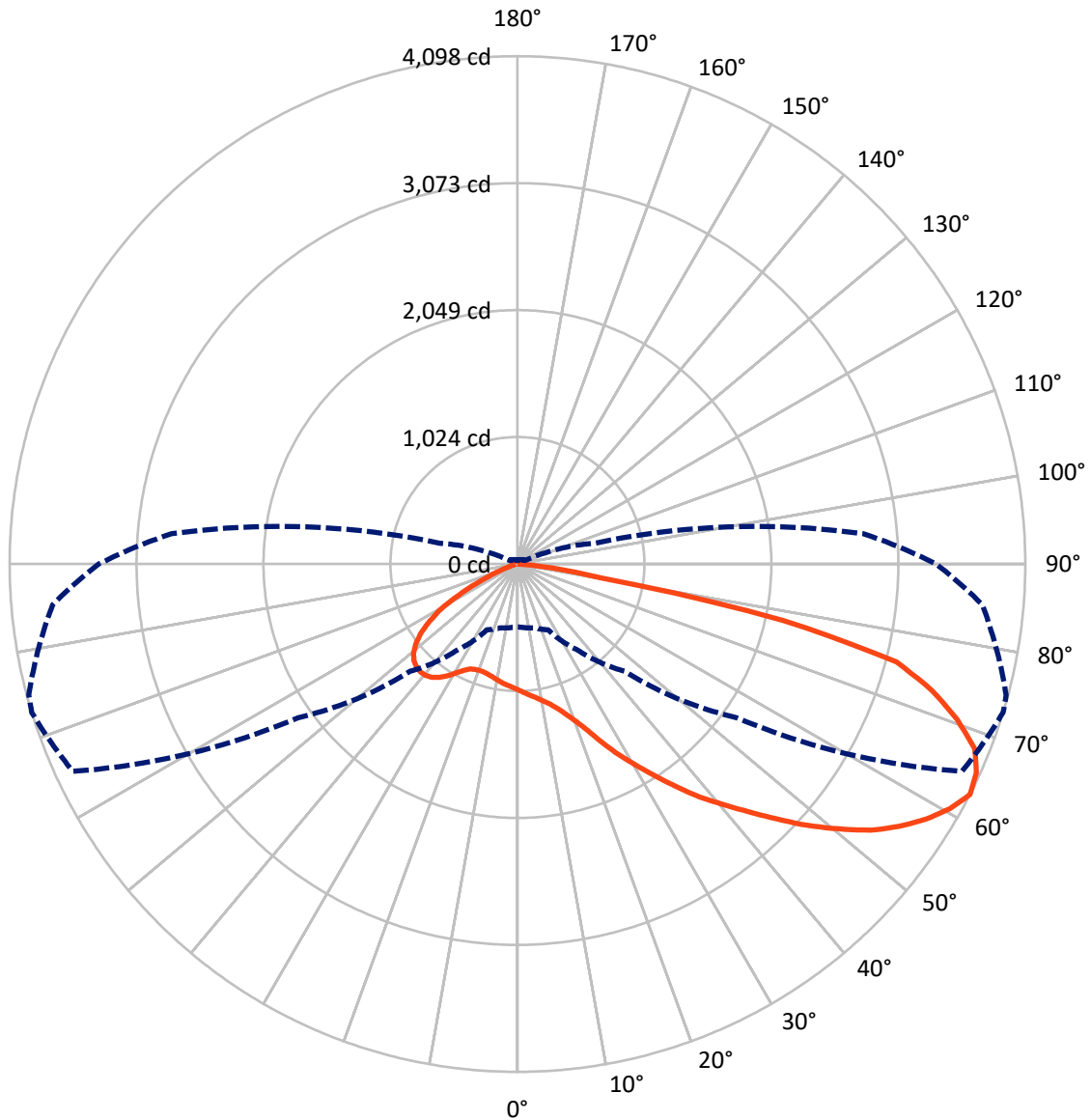
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Short - N/A

REPORT NUMBER: P507568
CATALOG NUMBER: VERD-S-CA1-50-722-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P507568

CATALOG NUMBER: VERD-S-CA1-50-722-U-T2-HSS

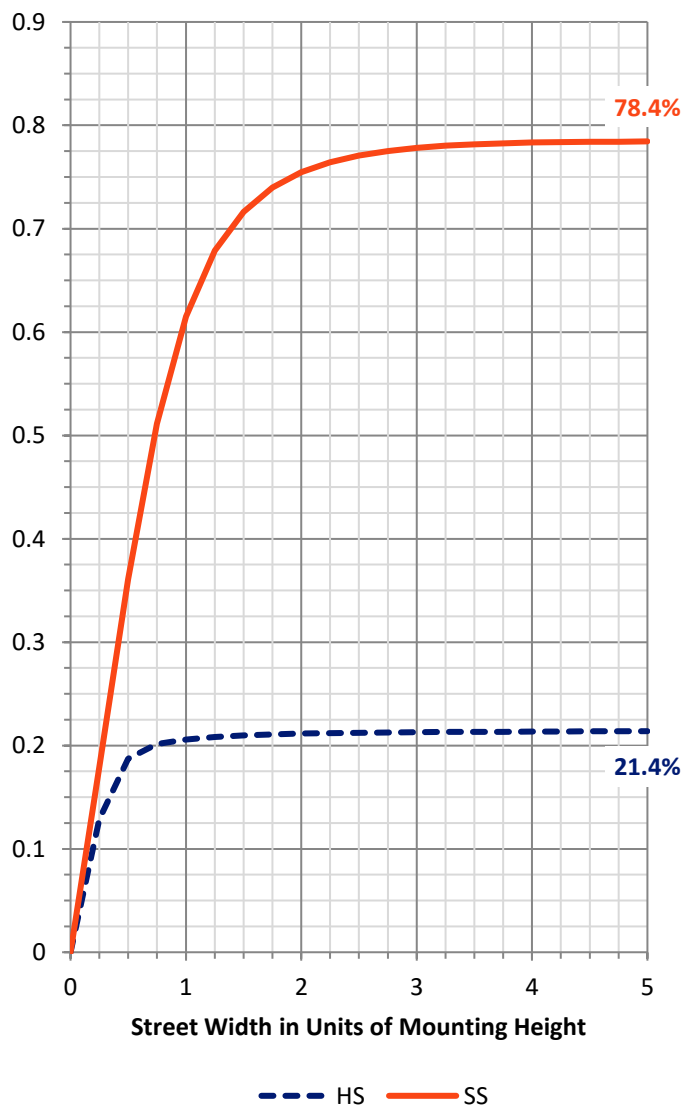
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1211.2	0.0	1211.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	4380.8	0.0	4380.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	5592.0	0.0	5592.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.1	1.7
10°-20°	292.5	5.2
20°-30°	505.9	9.0
30°-40°	743.0	13.3
40°-50°	965.7	17.3
50°-60°	1119.7	20.0
60°-70°	1126.8	20.2
70°-80°	686.7	12.3
80°-90°	54.7	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°	5592.0	100.0
0°-180°	5592.0	100.0

Coefficient of Utilization



REPORT NUMBER: P507568

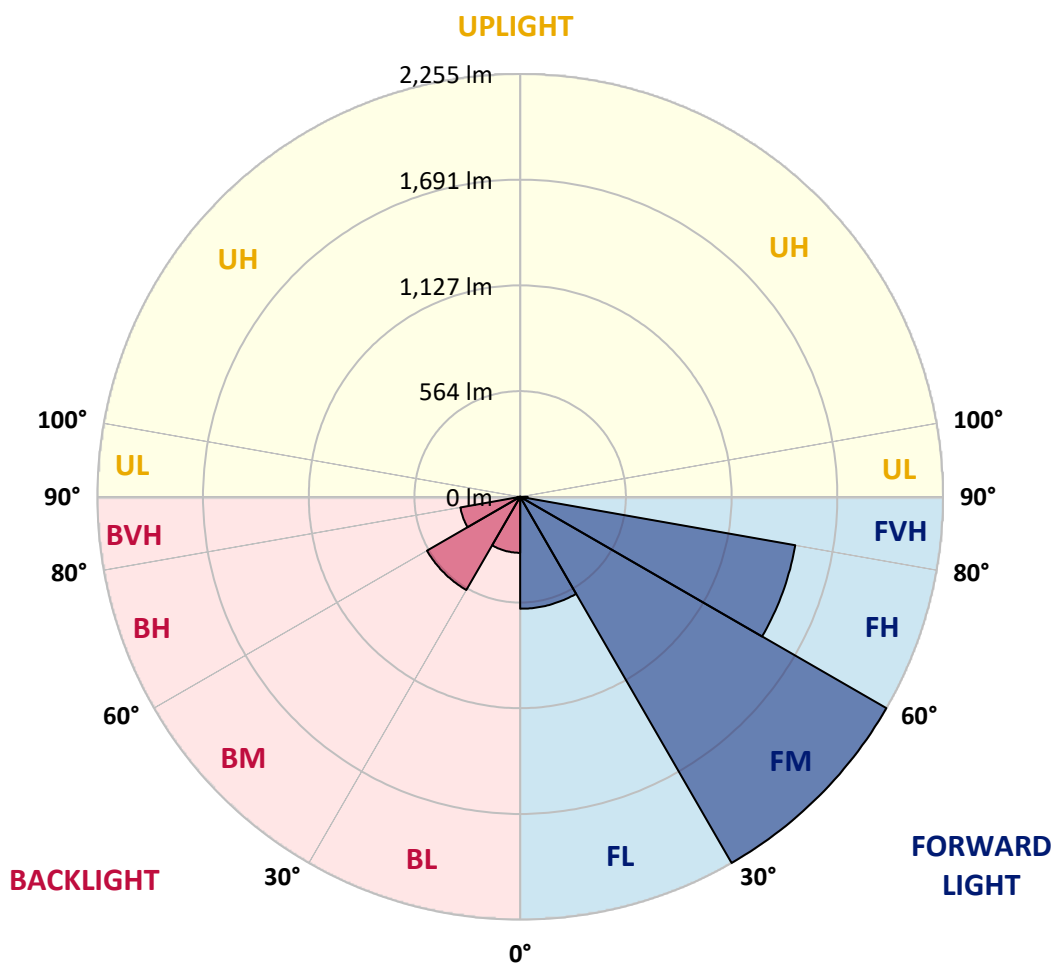
CATALOG NUMBER: VERD-S-CA1-50-722-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	596.9	10.7			
FM (30°-60°)	2254.6	40.3			
FH (60°-80°)	1489.6	26.6			G1/1800
FVH (80°-90°)	39.7	0.7			G1/100
BL (0°-30°)	298.6	5.3	B1/500		
BM (30°-60°)	573.8	10.3	B1/1000		
BH (60°-80°)	323.9	5.8	B1/500		G1/500
BVH (80°-90°)	15.0	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





REPORT NUMBER: P507568

CATALOG NUMBER: VERD-S-CA1-50-722-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8
2.5°	1084.1	1084.1	1082.4	1080.7	1073.9	1067.1	1056.8	1048.3	1039.7	1036.3	1022.7
5°	1147.3	1147.3	1145.6	1138.8	1130.2	1118.3	1101.2	1079.0	1063.6	1061.9	1038.0
7.5°	1200.2	1198.5	1196.8	1193.4	1184.9	1169.5	1143.9	1114.9	1089.2	1082.4	1053.4
10°	1251.4	1253.1	1249.7	1241.2	1231.0	1212.2	1186.6	1152.4	1121.7	1111.4	1067.1
12.5°	1306.1	1304.4	1299.2	1289.0	1275.3	1260.0	1232.7	1198.5	1157.5	1147.3	1089.2
15°	1352.2	1353.9	1345.3	1338.5	1324.9	1307.8	1283.9	1249.7	1208.8	1196.8	1121.7
17.5°	1393.1	1393.1	1391.4	1388.0	1377.8	1365.8	1341.9	1318.0	1275.3	1256.6	1171.2
20°	1423.9	1425.6	1429.0	1435.8	1437.5	1427.3	1415.3	1398.3	1357.3	1338.5	1232.7
22.5°	1451.2	1454.6	1468.3	1488.8	1505.8	1505.8	1504.1	1502.4	1461.4	1449.5	1323.1
25°	1458.0	1463.1	1493.9	1538.3	1565.6	1587.8	1618.5	1630.5	1599.7	1579.2	1440.9
27.5°	1468.3	1473.4	1507.5	1560.5	1628.7	1678.3	1732.9	1763.6	1741.4	1720.9	1575.8
30°	1459.7	1466.6	1504.1	1579.2	1669.7	1773.9	1842.2	1888.3	1881.4	1869.5	1715.8
32.5°	1437.5	1444.4	1488.8	1580.9	1719.2	1871.2	1948.0	2019.7	2038.5	2028.3	1862.6
35°	1393.1	1400.0	1454.6	1567.3	1743.1	1944.6	2053.9	2159.7	2202.4	2195.6	2023.1
37.5°	1336.8	1336.8	1401.7	1526.3	1751.7	2000.9	2147.8	2299.7	2383.4	2373.1	2185.3
40°	1242.9	1260.0	1340.2	1481.9	1738.0	2041.9	2238.2	2444.8	2549.0	2543.9	2361.2
42.5°	1149.0	1162.7	1239.5	1405.1	1705.6	2065.8	2313.4	2596.8	2731.7	2728.2	2530.2
45°	1065.3	1075.6	1138.8	1299.2	1637.3	2072.6	2385.1	2759.0	2933.1	2926.3	2702.6
47.5°	957.8	978.3	1058.5	1200.2	1543.4	2052.2	2451.7	2962.1	3151.6	3144.8	2888.7
50°	725.6	739.3	906.6	1120.0	1422.2	2000.9	2506.3	3161.9	3358.2	3344.6	3057.7
52.5°	659.0	667.5	720.5	1021.0	1309.5	1908.7	2540.4	3400.9	3568.2	3546.0	3231.9
55°	616.3	623.2	653.9	817.8	1210.5	1753.4	2550.7	3626.3	3737.2	3715.0	3392.4
57.5°	578.8	582.2	612.9	696.6	1092.7	1557.0	2514.8	3793.6	3885.8	3861.9	3530.7
60°	539.5	544.6	573.6	635.1	951.0	1376.1	2403.9	3926.7	4008.7	3988.2	3651.9
62.5°	507.1	513.9	532.7	585.6	848.5	1222.4	2161.4	3957.5	4097.5	4082.1	3764.6
65°	467.8	472.9	496.8	541.2	742.7	1126.8	1915.6	3867.0	4068.5	4087.2	3827.7
67.5°	421.7	426.8	447.3	481.5	623.2	1026.1	1700.5	3738.9	3979.7	4005.3	3781.6
70°	365.4	368.8	389.3	421.7	517.3	894.6	1475.1	3551.1	3764.6	3783.3	3599.0
72.5°	303.9	303.9	319.3	356.8	425.1	741.0	1183.1	3155.1	3501.6	3547.7	3289.9
75°	128.0	134.9	162.2	196.3	271.5	541.2	809.3	2429.5	3158.5	3197.7	2905.8
77.5°	25.6	27.3	30.7	46.1	71.7	235.6	251.0	1060.2	2192.2	2217.8	2122.2
80°	20.5	20.5	22.2	34.1	47.8	109.3	81.9	346.6	682.9	879.3	1133.6
82.5°	6.8	8.5	12.0	18.8	23.9	23.9	27.3	174.1	338.0	363.7	457.6
85°	3.4	3.4	5.1	6.8	6.8	6.8	6.8	30.7	58.0	70.0	97.3
87.5°	1.7	0.0	0.0	0.0	0.0	0.0	1.7	3.4	5.1	5.1	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



REPORT NUMBER: P507568
 CATALOG NUMBER: VERD-S-CA1-50-722-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8	1015.8
2.5°	1015.8	1010.7	998.8	990.2	978.3	968.0	956.1	949.2	945.8	944.1	940.7
5°	1024.4	1010.7	986.8	961.2	939.0	921.9	898.0	886.1	879.3	875.8	874.1
7.5°	1034.6	1017.5	976.6	937.3	898.0	869.0	840.0	821.2	812.7	811.0	809.3
10°	1041.4	1014.1	959.5	916.8	865.6	819.5	785.3	763.2	751.2	749.5	747.8
12.5°	1055.1	1019.2	945.8	884.4	831.4	771.7	735.8	710.2	698.3	688.0	688.0
15°	1077.3	1031.2	939.0	857.1	787.1	729.0	682.9	655.6	647.1	633.4	630.0
17.5°	1114.9	1053.4	933.9	829.7	746.1	688.0	633.4	604.4	599.3	587.3	580.5
20°	1161.0	1085.8	937.3	804.1	703.4	636.8	582.2	553.2	536.1	525.8	522.4
22.5°	1234.4	1133.6	949.2	785.3	665.8	590.7	532.7	486.6	449.0	435.4	435.4
25°	1338.5	1215.6	969.7	770.0	628.3	546.3	474.6	396.1	346.6	327.8	322.7
27.5°	1456.3	1319.7	1017.5	756.3	597.5	496.8	391.0	303.9	251.0	233.9	233.9
30°	1591.2	1429.0	1075.6	747.8	560.0	421.7	295.4	221.9	179.3	160.5	158.8
32.5°	1724.4	1541.7	1143.9	741.0	520.7	329.5	213.4	162.2	126.3	112.7	114.4
35°	1857.5	1652.6	1201.9	741.0	455.8	237.3	151.9	112.7	90.5	83.7	83.7
37.5°	2007.8	1777.3	1248.0	730.7	358.5	169.0	104.1	81.9	75.1	71.7	71.7
40°	2163.1	1893.4	1278.8	708.5	256.1	116.1	73.4	71.7	68.3	63.2	61.5
42.5°	2308.2	2026.5	1297.5	665.8	167.3	76.8	64.9	66.6	64.9	56.3	54.6
45°	2461.9	2134.1	1307.8	580.5	111.0	63.2	58.0	61.5	63.2	56.3	54.6
47.5°	2615.6	2251.9	1314.6	452.4	73.4	61.5	54.6	59.8	61.5	54.6	52.9
50°	2777.7	2359.5	1304.4	290.2	64.9	58.0	52.9	54.6	58.0	54.6	52.9
52.5°	2919.5	2456.8	1256.6	162.2	63.2	56.3	49.5	51.2	56.3	52.9	52.9
55°	3064.6	2552.4	1167.8	95.6	61.5	52.9	49.5	51.2	52.9	49.5	51.2
57.5°	3196.0	2644.6	1034.6	78.5	61.5	51.2	51.2	47.8	47.8	44.4	44.4
60°	3296.8	2728.2	875.8	73.4	58.0	52.9	47.8	44.4	41.0	37.6	37.6
62.5°	3377.0	2799.9	650.5	68.3	56.3	51.2	44.4	39.3	34.1	30.7	30.7
65°	3421.4	2815.3	459.3	61.5	52.9	49.5	41.0	34.1	27.3	25.6	25.6
67.5°	3370.2	2735.1	280.0	58.0	49.5	47.8	39.3	30.7	23.9	22.2	22.2
70°	3173.8	2519.9	157.1	52.9	44.4	42.7	35.9	27.3	22.2	18.8	18.8
72.5°	2849.5	2204.1	78.5	44.4	37.6	37.6	32.4	23.9	20.5	17.1	17.1
75°	2407.3	1808.0	56.3	32.4	30.7	30.7	27.3	22.2	18.8	15.4	15.4
77.5°	1763.6	1191.7	46.1	27.3	22.2	22.2	23.9	20.5	17.1	13.7	13.7
80°	913.4	590.7	39.3	20.5	18.8	17.1	17.1	17.1	13.7	12.0	12.0
82.5°	404.6	227.1	25.6	15.4	15.4	13.7	13.7	13.7	12.0	10.2	10.2
85°	78.5	42.7	13.7	12.0	10.2	10.2	10.2	8.5	8.5	8.5	8.5
87.5°	6.8	6.8	6.8	6.8	6.8	5.1	5.1	5.1	5.1	5.1	5.1
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)