

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: P507586

Luminaire Tested: **VERD-S-CA1-50-730-U-T3-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507586
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-50-730-U-T3-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 940mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6776 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

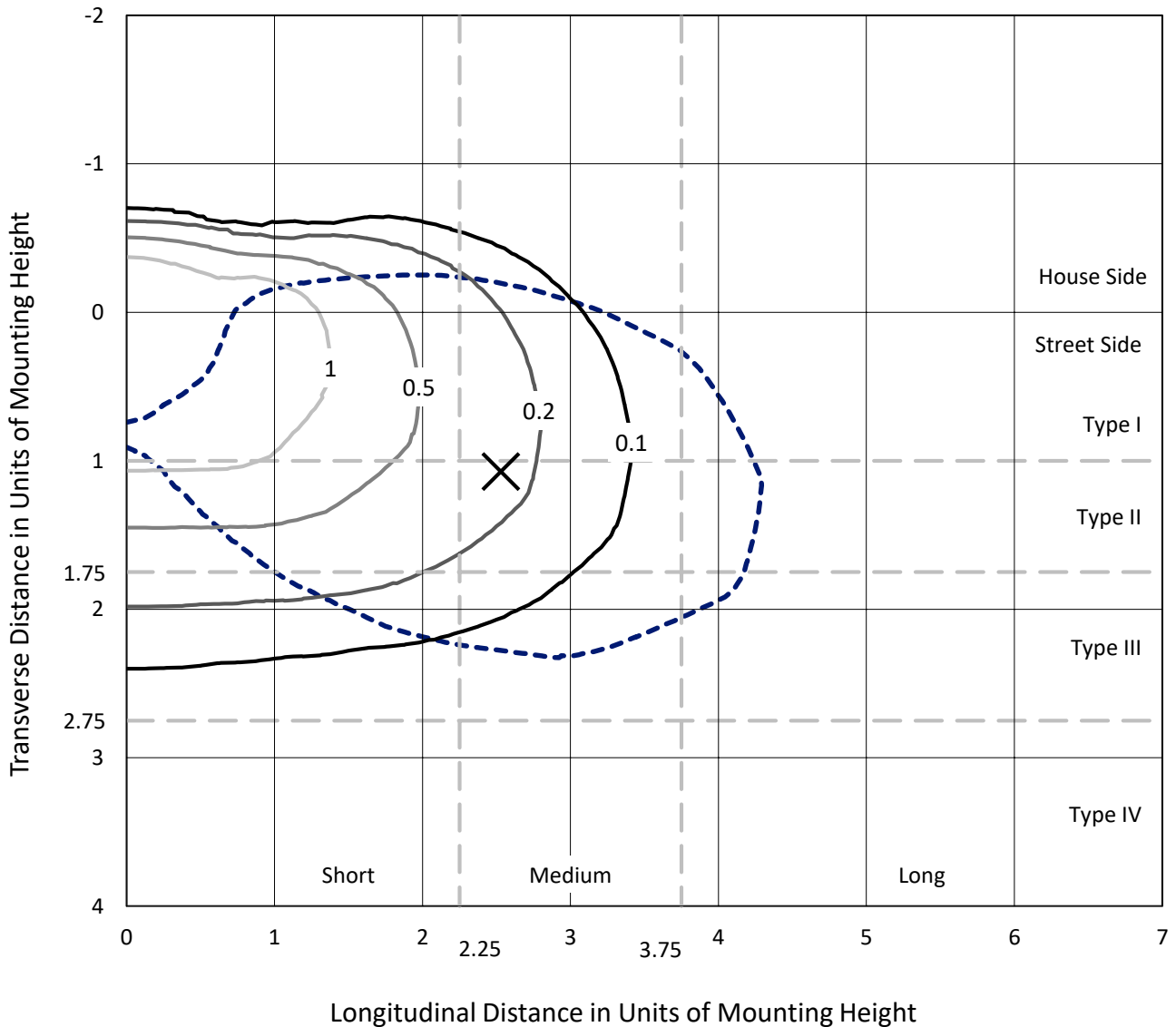
Input Watts (W): 53.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P507586
 CATALOG NUMBER: VERD-S-CA1-50-730-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

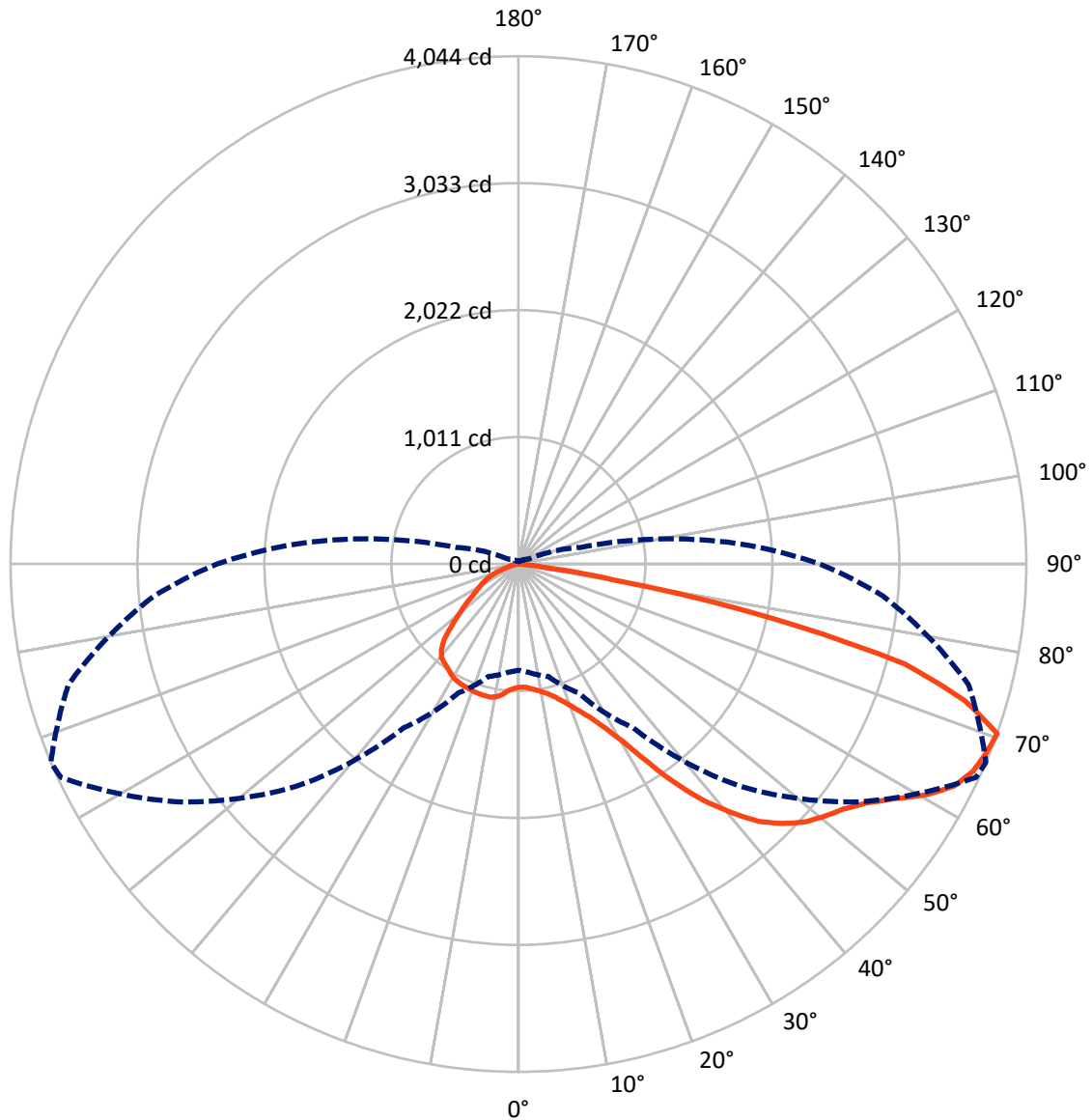
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P507586
CATALOG NUMBER: VERD-S-CA1-50-730-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P507586
 CATALOG NUMBER: VERD-S-CA1-50-730-U-T3-HSS

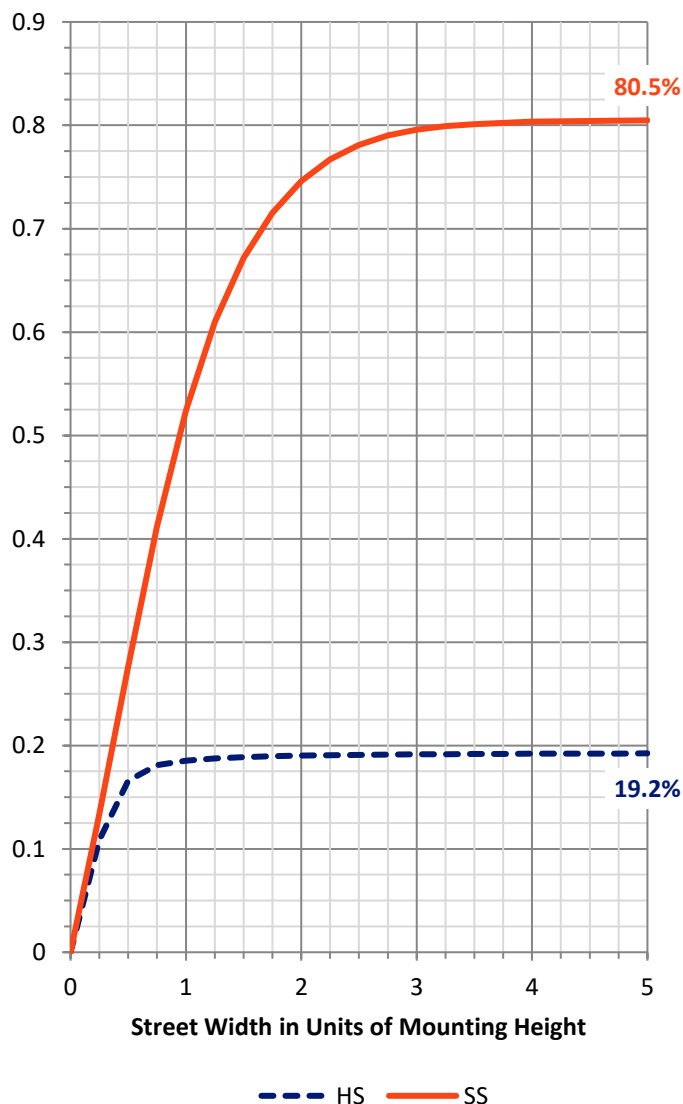
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1320.5	0.0	1320.5
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	5455.5	0.0	5455.5
	% Fixture	80.5	0.0	80.5
Total	Lumens	6776.0	0.0	6776.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.8	1.5
10°-20°	312.8	4.6
20°-30°	543.6	8.0
30°-40°	851.2	12.6
40°-50°	1197.7	17.7
50°-60°	1428.5	21.1
60°-70°	1480.2	21.8
70°-80°	816.8	12.1
80°-90°	46.5	0.7
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°	6776.0	100.0
0°-180°	6776.0	100.0

Coefficient of Utilization



REPORT NUMBER: P507586

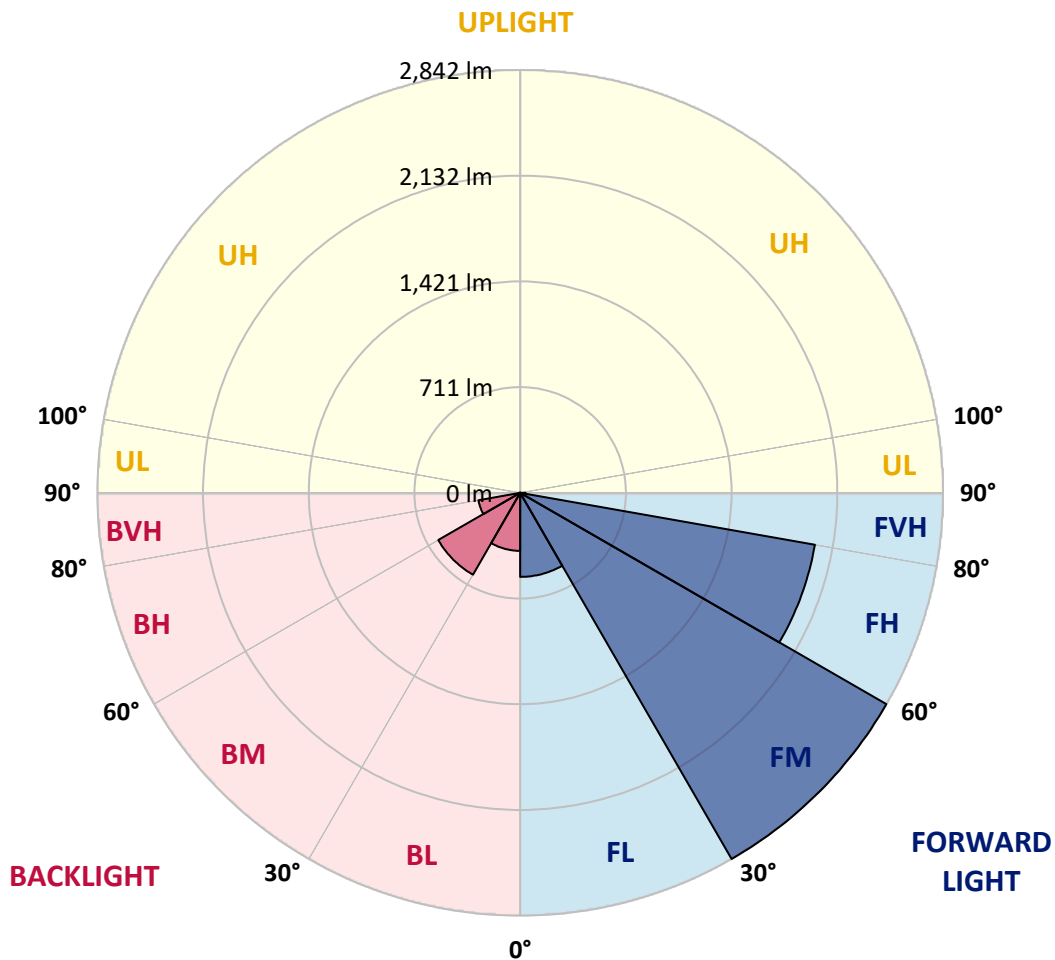
CATALOG NUMBER: VERD-S-CA1-50-730-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	565.2	8.3			
FM	(30°-60°)	2842.2	41.9			
FH	(60°-80°)	2011.9	29.7			G2/5000
FVH	(80°-90°)	36.1	0.5			G1/100
BL	(0°-30°)	389.9	5.8	B1/500		
BM	(30°-60°)	635.2	9.4	B1/1000		
BH	(60°-80°)	285.1	4.2	B1/500		G1/500
BVH	(80°-90°)	10.4	0.2			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





REPORT NUMBER: P507586

CATALOG NUMBER: VERD-S-CA1-50-730-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3
2.5°	987.5	987.5	987.5	985.4	985.4	985.4	983.3	981.3	981.3	981.3	983.3
5°	1014.2	1014.2	1012.1	1010.1	1008.0	1001.9	997.7	995.7	995.7	993.6	997.7
7.5°	1047.1	1047.1	1047.1	1043.0	1036.8	1028.6	1020.4	1014.2	1012.1	1010.1	1012.1
10°	1096.5	1096.5	1092.4	1086.2	1075.9	1063.6	1049.2	1036.8	1034.8	1030.7	1034.8
12.5°	1160.3	1154.1	1150.0	1139.7	1127.3	1106.8	1084.1	1065.6	1061.5	1057.4	1071.8
15°	1226.1	1224.0	1213.7	1207.6	1187.0	1160.3	1129.4	1104.7	1100.6	1092.4	1104.7
17.5°	1304.3	1306.3	1302.2	1291.9	1263.1	1224.0	1187.0	1152.0	1147.9	1141.7	1147.9
20°	1411.2	1407.1	1398.9	1384.5	1351.6	1300.1	1252.8	1213.7	1207.6	1203.5	1197.3
22.5°	1518.2	1520.3	1503.8	1489.4	1448.3	1398.9	1335.1	1287.8	1279.6	1277.5	1248.7
25°	1621.1	1625.2	1619.0	1600.5	1565.5	1501.8	1431.8	1374.2	1363.9	1361.9	1312.5
27.5°	1728.0	1730.1	1736.3	1728.0	1691.0	1625.2	1547.0	1481.2	1481.2	1464.7	1390.7
30°	1830.9	1835.0	1839.1	1839.1	1820.6	1763.0	1695.1	1637.5	1637.5	1625.2	1497.6
32.5°	1911.1	1913.2	1937.9	1958.4	1958.4	1917.3	1872.0	1865.9	1863.8	1886.4	1742.4
35°	1983.1	1989.3	2024.3	2079.8	2102.5	2086.0	2088.1	2110.7	2133.3	2188.9	2079.8
37.5°	2036.6	2044.9	2077.8	2141.5	2205.3	2248.5	2289.7	2351.4	2386.3	2470.7	2320.5
40°	2051.0	2061.3	2131.3	2221.8	2324.6	2423.4	2497.4	2573.5	2596.2	2655.8	2466.6
42.5°	2005.8	2016.0	2104.5	2287.6	2431.6	2585.9	2666.1	2762.8	2801.9	2779.3	2587.9
45°	1974.9	1981.1	2073.7	2281.4	2524.2	2744.3	2822.5	2923.3	2948.0	2894.5	2688.8
47.5°	1935.8	1942.0	2038.7	2273.2	2600.3	2880.1	2933.6	3044.6	3069.3	2987.0	2775.2
50°	1878.2	1882.3	1993.4	2256.7	2649.7	2976.8	3036.4	3147.5	3157.8	3073.4	2857.4
52.5°	1808.3	1820.6	1927.6	2217.7	2684.6	3036.4	3108.4	3227.7	3242.1	3184.5	2948.0
55°	1713.6	1728.0	1851.5	2160.1	2672.3	3057.0	3141.3	3334.7	3359.4	3312.1	3024.1
57.5°	1617.0	1637.5	1758.9	2079.8	2622.9	3087.8	3250.4	3493.1	3526.0	3437.6	3085.8
60°	1518.2	1526.4	1651.9	1970.8	2540.6	3118.7	3373.8	3700.9	3731.7	3561.0	3135.2
62.5°	1405.1	1415.3	1526.4	1820.6	2398.7	3089.9	3466.4	3875.8	3894.3	3663.9	3155.7
65°	1273.4	1273.4	1368.0	1637.5	2207.4	2987.0	3478.7	3966.3	3978.6	3729.7	3131.0
67.5°	1090.3	1098.5	1174.7	1411.2	1950.2	2785.4	3408.8	3986.8	4017.7	3770.8	3063.2
70°	845.5	864.0	927.8	1131.5	1592.3	2505.7	3303.9	4019.8	4044.4	3711.2	2910.9
72.5°	578.1	596.6	654.2	775.6	1147.9	2009.9	2989.1	3709.1	3715.3	3421.1	2614.7
75°	152.2	168.7	213.9	310.6	481.4	1351.6	2390.5	3141.3	3178.4	2958.2	2158.0
77.5°	45.3	45.3	55.5	72.0	98.7	275.7	1215.8	2001.6	2038.7	1950.2	1345.4
80°	35.0	35.0	41.1	49.4	63.8	141.9	421.7	738.5	783.8	837.3	555.4
82.5°	22.6	24.7	26.7	28.8	28.8	57.6	113.1	189.3	187.2	203.7	179.0
85°	14.4	14.4	12.3	12.3	10.3	14.4	10.3	12.3	14.4	14.4	16.5
87.5°	2.1	0.0	0.0	0.0	0.0	2.1	2.1	4.1	4.1	4.1	6.2
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: P507586
 CATALOG NUMBER: VERD-S-CA1-50-730-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3
2.5°	985.4	987.5	989.5	991.6	995.7	995.7	997.7	997.7	997.7	997.7	997.7
5°	997.7	999.8	1006.0	1012.1	1026.5	1034.8	1043.0	1049.2	1049.2	1053.3	1053.3
7.5°	1016.3	1022.4	1040.9	1049.2	1061.5	1073.9	1080.0	1082.1	1086.2	1086.2	1086.2
10°	1047.1	1053.3	1067.7	1073.9	1080.0	1080.0	1078.0	1075.9	1069.7	1067.7	1069.7
12.5°	1075.9	1084.1	1084.1	1082.1	1075.9	1067.7	1057.4	1047.1	1036.8	1028.6	1028.6
15°	1110.9	1106.8	1094.4	1078.0	1061.5	1040.9	1020.4	1001.9	985.4	979.2	979.2
17.5°	1141.7	1131.5	1104.7	1073.9	1038.9	1006.0	973.1	942.2	913.4	903.1	896.9
20°	1178.8	1160.3	1112.9	1065.6	1016.3	964.8	909.3	853.7	804.4	783.8	781.7
22.5°	1222.0	1191.1	1125.3	1053.3	987.5	909.3	816.7	738.5	689.2	664.5	660.4
25°	1273.4	1228.1	1137.6	1043.0	952.5	837.3	713.8	625.4	563.7	536.9	526.6
27.5°	1337.2	1277.5	1154.1	1030.7	899.0	748.8	608.9	506.1	438.2	405.3	401.2
30°	1419.5	1337.2	1170.5	1012.1	833.2	646.0	495.8	380.6	312.7	279.8	271.5
32.5°	1608.7	1458.6	1191.1	981.3	750.9	547.2	374.4	255.1	187.2	156.3	154.3
35°	1929.6	1732.2	1238.4	940.1	668.6	430.0	240.7	135.8	100.8	88.5	88.5
37.5°	2170.3	1960.5	1366.0	886.7	561.6	288.0	123.4	80.2	63.8	61.7	61.7
40°	2314.3	2096.3	1505.9	827.0	434.1	154.3	76.1	61.7	57.6	55.5	55.5
42.5°	2433.7	2209.4	1571.7	752.9	275.7	86.4	63.8	57.6	53.5	51.4	51.4
45°	2532.4	2295.8	1579.9	658.3	154.3	72.0	59.7	51.4	49.4	47.3	47.3
47.5°	2610.6	2369.9	1559.4	524.6	96.7	67.9	55.5	47.3	43.2	43.2	43.2
50°	2684.6	2433.7	1501.8	413.5	90.5	63.8	51.4	43.2	41.1	41.1	41.1
52.5°	2752.5	2478.9	1405.1	333.3	84.3	59.7	49.4	41.1	37.0	39.1	39.1
55°	2808.1	2497.4	1306.3	257.1	80.2	57.6	47.3	39.1	35.0	35.0	35.0
57.5°	2838.9	2458.3	1224.0	195.4	78.2	55.5	45.3	37.0	30.9	28.8	28.8
60°	2841.0	2406.9	1147.9	164.6	74.1	51.4	43.2	32.9	26.7	24.7	24.7
62.5°	2804.0	2345.2	1032.7	141.9	69.9	49.4	39.1	30.9	24.7	22.6	22.6
65°	2732.0	2236.2	905.2	121.4	67.9	49.4	35.0	28.8	24.7	20.6	20.6
67.5°	2616.7	2055.1	734.4	107.0	63.8	45.3	35.0	26.7	22.6	20.6	20.6
70°	2398.7	1795.9	508.1	92.6	59.7	41.1	32.9	26.7	22.6	18.5	18.5
72.5°	2067.5	1458.6	251.0	76.1	51.4	41.1	32.9	24.7	20.6	18.5	18.5
75°	1598.4	1045.1	152.2	61.7	41.1	37.0	30.9	24.7	20.6	16.5	16.5
77.5°	940.1	464.9	109.0	47.3	30.9	28.8	26.7	22.6	18.5	16.5	16.5
80°	343.6	197.5	80.2	37.0	24.7	24.7	20.6	18.5	16.5	14.4	14.4
82.5°	133.7	104.9	53.5	26.7	20.6	18.5	16.5	14.4	12.3	12.3	12.3
85°	18.5	18.5	18.5	14.4	12.3	12.3	10.3	10.3	8.2	8.2	8.2
87.5°	6.2	6.2	6.2	8.2	6.2	6.2	4.1	4.1	4.1	6.2	6.2
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)