

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: P507616

Luminaire Tested: **VERD-S-CA1-60-722-U-T2-HSS**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507616  
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-CA1-60-722-U-T2-HSS  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2200K, 1150mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6567 lumens  
Efficiency: N/A  
Efficacy: 103.7 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

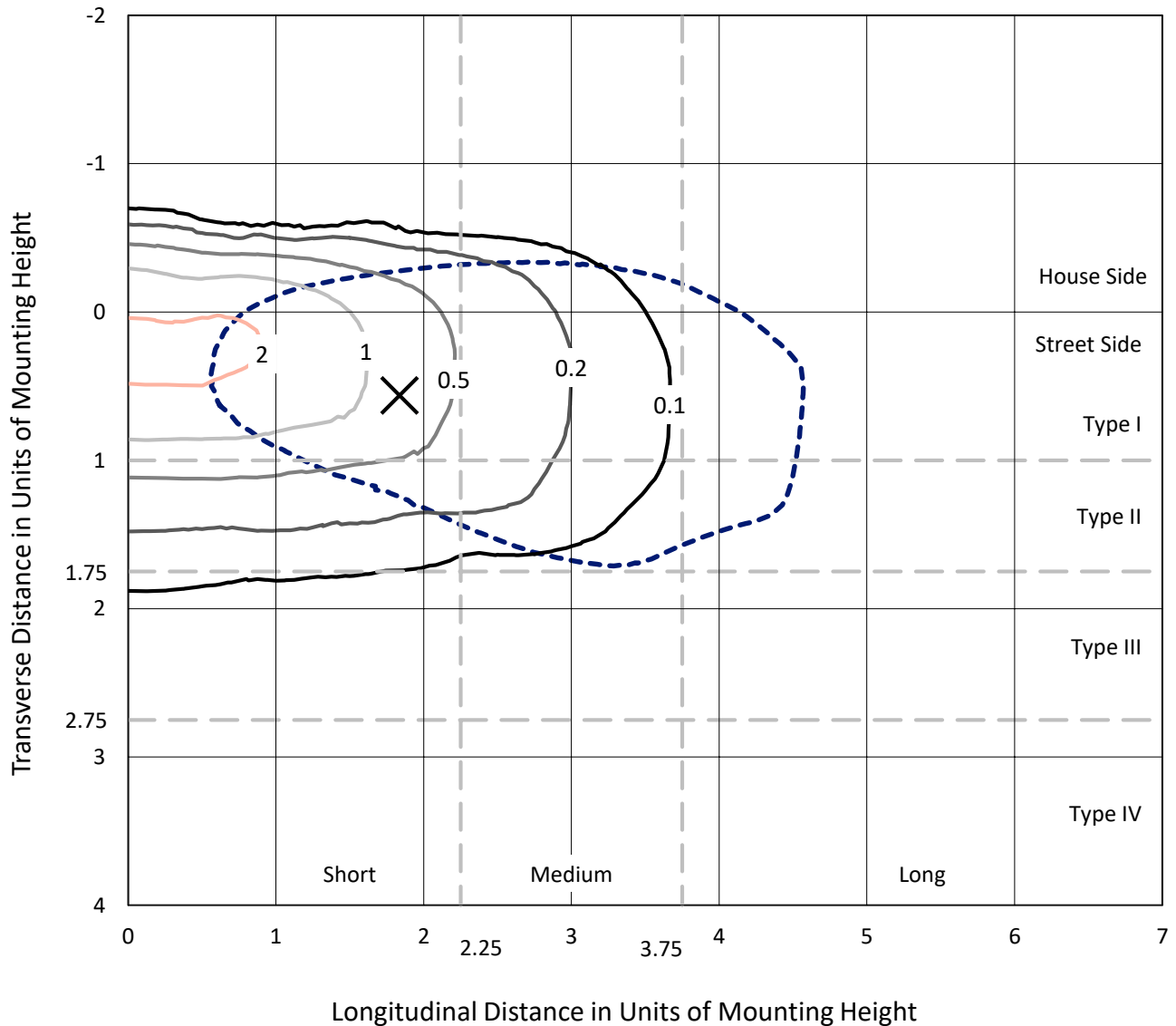
Input Watts (W): 63.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

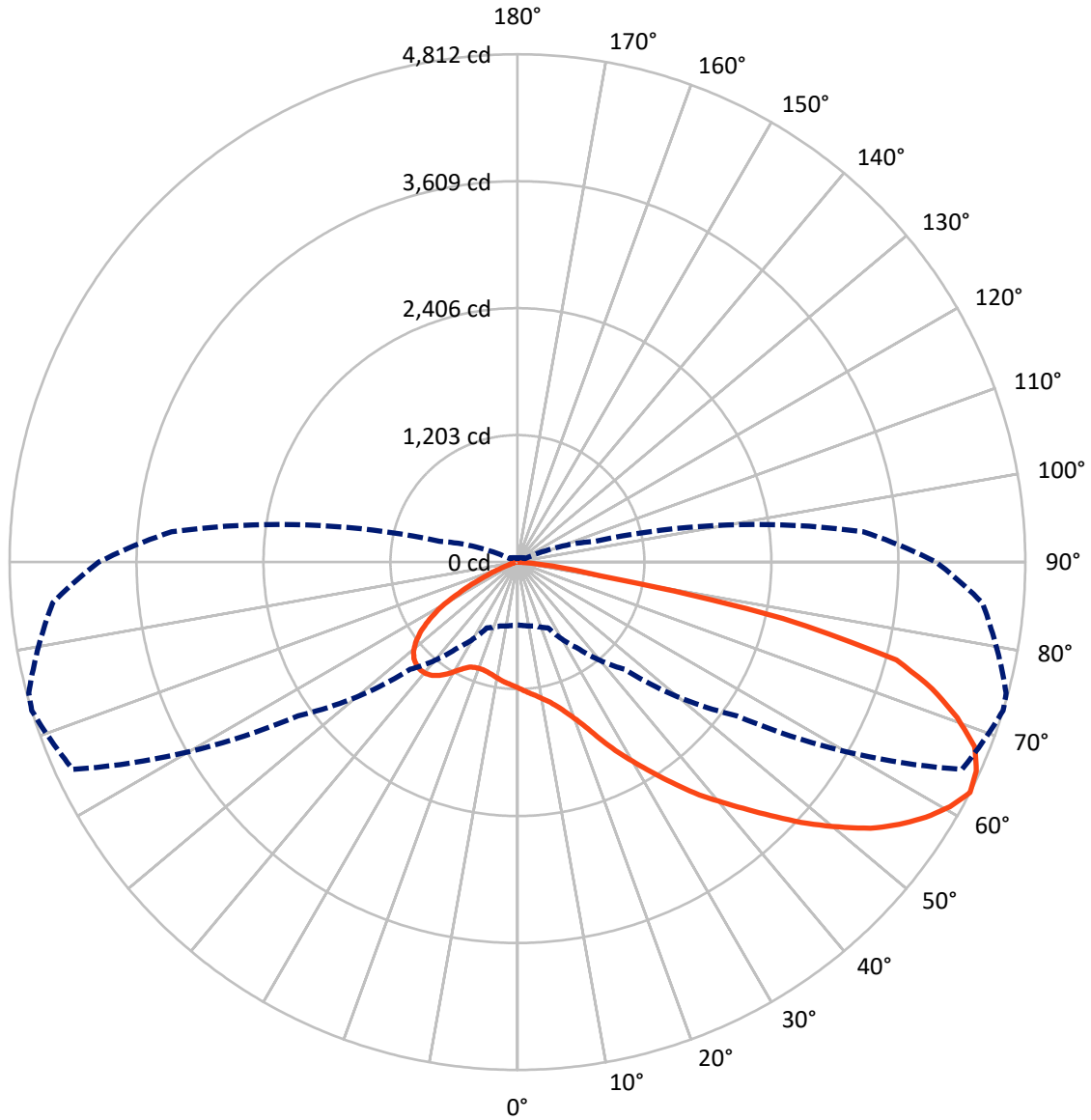
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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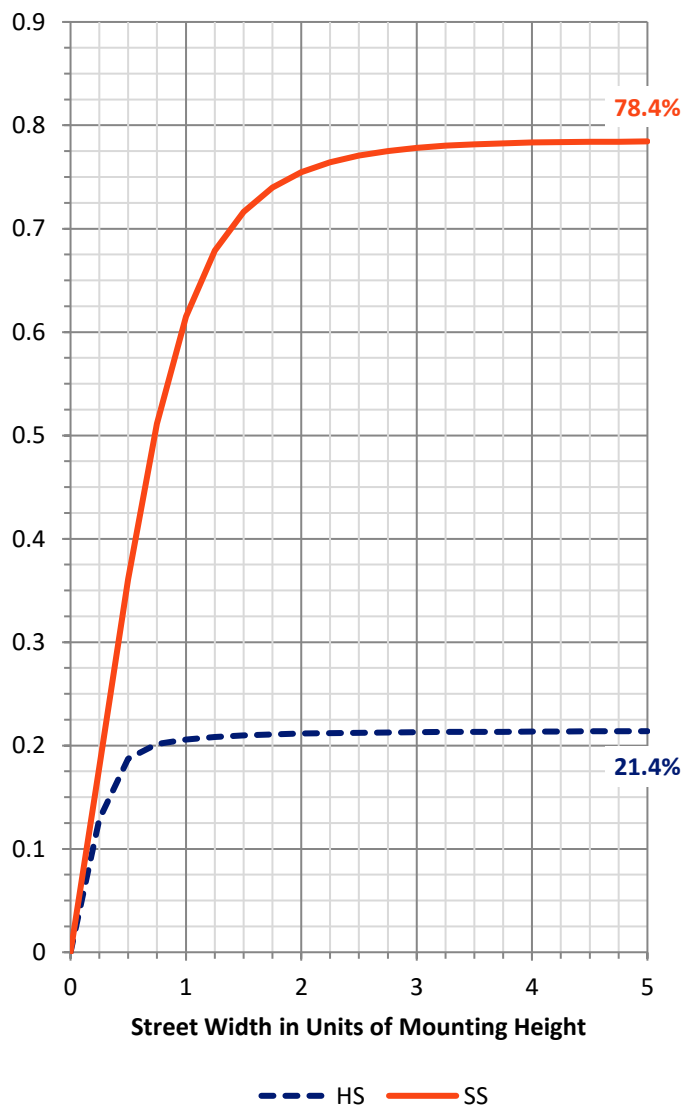
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1422.4	0.0	1422.4
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	5144.6	0.0	5144.6
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	6567.0	0.0	6567.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.1	1.7
10°-20°	343.5	5.2
20°-30°	594.1	9.0
30°-40°	872.5	13.3
40°-50°	1134.1	17.3
50°-60°	1314.9	20.0
60°-70°	1323.3	20.2
70°-80°	806.4	12.3
80°-90°	64.2	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°	6567.0	100.0
0°-180°	6567.0	100.0

**Coefficient of Utilization**



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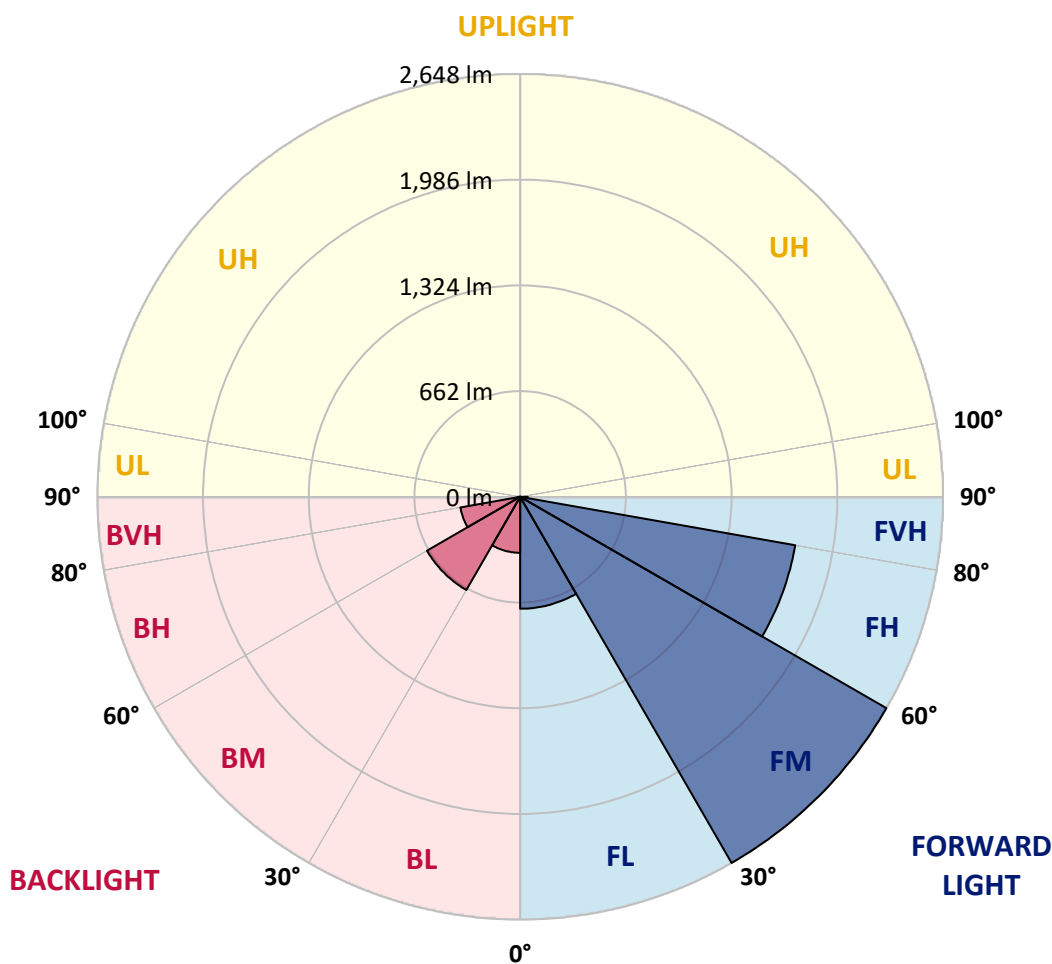
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	701.0	10.7			
FM	(30°-60°)	2647.7	40.3			
FH	(60°-80°)	1749.3	26.6			G1/1800
FVH	(80°-90°)	46.7	0.7			G1/100
BL	(0°-30°)	350.7	5.3	B1/500		
BM	(30°-60°)	673.8	10.3	B1/1000		
BH	(60°-80°)	380.4	5.8	B1/500		G1/500
BVH	(80°-90°)	17.6	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°	1192.9	1192.9	1192.9	1192.9	1192.9	1192.9	1192.9	1192.9	1192.9	1192.9	1192.9
2.5°	1273.1	1273.1	1271.1	1269.1	1261.1	1253.1	1241.1	1231.0	1221.0	1217.0	1201.0
5°	1347.3	1347.3	1345.3	1337.3	1327.3	1313.2	1293.2	1267.1	1249.1	1247.1	1219.0
7.5°	1409.5	1407.5	1405.5	1401.5	1391.4	1373.4	1343.3	1309.2	1279.2	1271.1	1237.1
10°	1469.6	1471.6	1467.6	1457.6	1445.6	1423.5	1393.4	1353.3	1317.3	1305.2	1253.1
12.5°	1533.8	1531.8	1525.8	1513.7	1497.7	1479.7	1447.6	1407.5	1359.4	1347.3	1279.2
15°	1587.9	1589.9	1579.9	1571.9	1555.8	1535.8	1507.7	1467.6	1419.5	1405.5	1317.3
17.5°	1636.0	1636.0	1634.0	1630.0	1618.0	1604.0	1575.9	1547.8	1497.7	1475.6	1375.4
20°	1672.1	1674.1	1678.1	1686.2	1688.2	1676.1	1662.1	1642.1	1593.9	1571.9	1447.6
22.5°	1704.2	1708.2	1724.3	1748.3	1768.4	1768.4	1766.4	1764.4	1716.2	1702.2	1553.8
25°	1712.2	1718.2	1754.3	1806.5	1838.5	1864.6	1900.7	1914.7	1878.6	1854.6	1692.2
27.5°	1724.3	1730.3	1770.4	1832.5	1912.7	1970.9	2035.0	2071.1	2045.1	2021.0	1850.6
30°	1714.2	1722.3	1766.4	1854.6	1960.8	2083.2	2163.3	2217.5	2209.5	2195.4	2015.0
32.5°	1688.2	1696.2	1748.3	1856.6	2019.0	2197.4	2287.7	2371.9	2393.9	2381.9	2187.4
35°	1636.0	1644.1	1708.2	1840.6	2047.1	2283.6	2412.0	2536.3	2586.4	2578.4	2375.9
37.5°	1569.9	1569.9	1646.1	1792.4	2057.1	2349.8	2522.2	2700.7	2798.9	2786.9	2566.3
40°	1459.6	1479.7	1573.9	1740.3	2041.0	2397.9	2628.5	2871.1	2993.4	2987.4	2772.9
42.5°	1349.3	1365.4	1455.6	1650.1	2003.0	2426.0	2716.7	3049.5	3207.9	3203.9	2971.3
45°	1251.1	1263.1	1337.3	1525.8	1922.8	2434.0	2800.9	3240.0	3444.5	3436.5	3173.8
47.5°	1124.8	1148.8	1243.1	1409.5	1812.5	2410.0	2879.1	3478.6	3701.2	3693.1	3392.4
50°	852.1	868.1	1064.6	1315.3	1670.1	2349.8	2943.3	3713.2	3943.8	3927.7	3590.9
52.5°	773.9	783.9	846.1	1199.0	1537.8	2241.5	2983.4	3993.9	4190.4	4164.3	3795.4
55°	723.8	731.8	767.9	960.4	1421.5	2059.1	2995.4	4258.5	4388.9	4362.8	3983.9
57.5°	679.7	683.7	719.8	818.0	1283.2	1828.5	2953.3	4455.0	4563.3	4535.2	4146.3
60°	633.6	639.6	673.7	745.8	1116.8	1616.0	2823.0	4611.4	4707.6	4683.6	4288.6
62.5°	595.5	603.5	625.5	687.7	996.5	1435.5	2538.3	4647.5	4811.9	4793.9	4420.9
65°	549.4	555.4	583.4	635.6	872.2	1323.3	2249.6	4541.2	4777.8	4799.9	4495.1
67.5°	495.2	501.2	525.3	565.4	731.8	1205.0	1996.9	4390.9	4673.6	4703.6	4441.0
70°	429.1	433.1	457.1	495.2	607.5	1050.6	1732.3	4170.3	4420.9	4443.0	4226.5
72.5°	356.9	356.9	374.9	419.0	499.2	870.2	1389.4	3705.2	4112.2	4166.3	3863.6
75°	150.4	158.4	190.5	230.6	318.8	635.6	950.4	2853.1	3709.2	3755.3	3412.4
77.5°	30.1	32.1	36.1	54.1	84.2	276.7	294.7	1245.1	2574.4	2604.4	2492.2
80°	24.1	24.1	26.1	40.1	56.1	128.3	96.2	407.0	802.0	1032.6	1331.3
82.5°	8.0	10.0	14.0	22.1	28.1	28.1	32.1	204.5	397.0	427.1	537.3
85°	4.0	4.0	6.0	8.0	8.0	8.0	8.0	36.1	68.2	82.2	114.3
87.5°	2.0	0.0	0.0	0.0	0.0	0.0	2.0	4.0	6.0	6.0	8.0
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°	1192.9	1192.9	1192.9	1192.9	1192.9	1192.9	1192.9	1192.9	1192.9	1192.9	1192.9
2.5°	1192.9	1186.9	1172.9	1162.9	1148.8	1136.8	1122.8	1114.8	1110.7	1108.7	1104.7
5°	1203.0	1186.9	1158.9	1128.8	1102.7	1082.7	1054.6	1040.6	1032.6	1028.5	1026.5
7.5°	1215.0	1195.0	1146.8	1100.7	1054.6	1020.5	986.4	964.4	954.4	952.4	950.4
10°	1223.0	1190.9	1126.8	1076.7	1016.5	962.4	922.3	896.2	882.2	880.2	878.2
12.5°	1239.1	1197.0	1110.7	1038.6	976.4	906.2	864.1	834.1	820.0	808.0	808.0
15°	1265.1	1211.0	1102.7	1006.5	924.3	856.1	802.0	769.9	759.9	743.8	739.8
17.5°	1309.2	1237.1	1096.7	974.4	876.2	808.0	743.8	709.8	703.7	689.7	681.7
20°	1363.4	1275.2	1100.7	944.3	826.0	747.8	683.7	649.6	629.6	617.5	613.5
22.5°	1449.6	1331.3	1114.8	922.3	781.9	693.7	625.5	571.4	527.3	511.3	511.3
25°	1571.9	1427.5	1138.8	904.2	737.8	641.6	557.4	465.2	407.0	385.0	378.9
27.5°	1710.2	1549.8	1195.0	888.2	701.7	583.4	459.1	356.9	294.7	274.7	274.7
30°	1868.6	1678.1	1263.1	878.2	657.6	495.2	346.9	260.6	210.5	188.5	186.5
32.5°	2025.0	1810.5	1343.3	870.2	611.5	387.0	250.6	190.5	148.4	132.3	134.3
35°	2181.4	1940.8	1411.5	870.2	535.3	278.7	178.4	132.3	106.3	98.2	98.2
37.5°	2357.8	2087.2	1465.6	858.1	421.0	198.5	122.3	96.2	88.2	84.2	84.2
40°	2540.3	2223.5	1501.7	832.1	300.7	136.3	86.2	84.2	80.2	74.2	72.2
42.5°	2710.7	2379.9	1523.8	781.9	196.5	90.2	76.2	78.2	76.2	66.2	64.2
45°	2891.1	2506.2	1535.8	681.7	130.3	74.2	68.2	72.2	74.2	66.2	64.2
47.5°	3071.6	2644.5	1543.8	531.3	86.2	72.2	64.2	70.2	72.2	64.2	62.2
50°	3262.1	2770.9	1531.8	340.8	76.2	68.2	62.2	64.2	68.2	64.2	62.2
52.5°	3428.5	2885.1	1475.6	190.5	74.2	66.2	58.1	60.1	66.2	62.2	62.2
55°	3598.9	2997.4	1371.4	112.3	72.2	62.2	58.1	60.1	62.2	58.1	60.1
57.5°	3753.3	3105.7	1215.0	92.2	72.2	60.1	60.1	56.1	56.1	52.1	52.1
60°	3871.6	3203.9	1028.5	86.2	68.2	62.2	56.1	52.1	48.1	44.1	44.1
62.5°	3965.8	3288.1	763.9	80.2	66.2	60.1	52.1	46.1	40.1	36.1	36.1
65°	4017.9	3306.2	539.3	72.2	62.2	58.1	48.1	40.1	32.1	30.1	30.1
67.5°	3957.8	3211.9	328.8	68.2	58.1	56.1	46.1	36.1	28.1	26.1	26.1
70°	3727.2	2959.3	184.5	62.2	52.1	50.1	42.1	32.1	26.1	22.1	22.1
72.5°	3346.3	2588.4	92.2	52.1	44.1	44.1	38.1	28.1	24.1	20.0	20.0
75°	2827.0	2123.3	66.2	38.1	36.1	36.1	32.1	26.1	22.1	18.0	18.0
77.5°	2071.1	1399.5	54.1	32.1	26.1	26.1	28.1	24.1	20.0	16.0	16.0
80°	1072.7	693.7	46.1	24.1	22.1	20.0	20.0	20.0	16.0	14.0	14.0
82.5°	475.2	266.7	30.1	18.0	18.0	16.0	16.0	16.0	14.0	12.0	12.0
85°	92.2	50.1	16.0	14.0	12.0	12.0	12.0	10.0	10.0	10.0	10.0
87.5°	8.0	8.0	8.0	8.0	8.0	6.0	6.0	6.0	6.0	6.0	6.0
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)