

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: P507625

Luminaire Tested: **VERD-S-CA1-60-727-U-T2**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507625  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-S-CA1-60-727-U-T2  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2700K, 1150mA LED AND TYPE II OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7394 lumens  
Efficiency: N/A  
Efficacy: 116.8 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

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

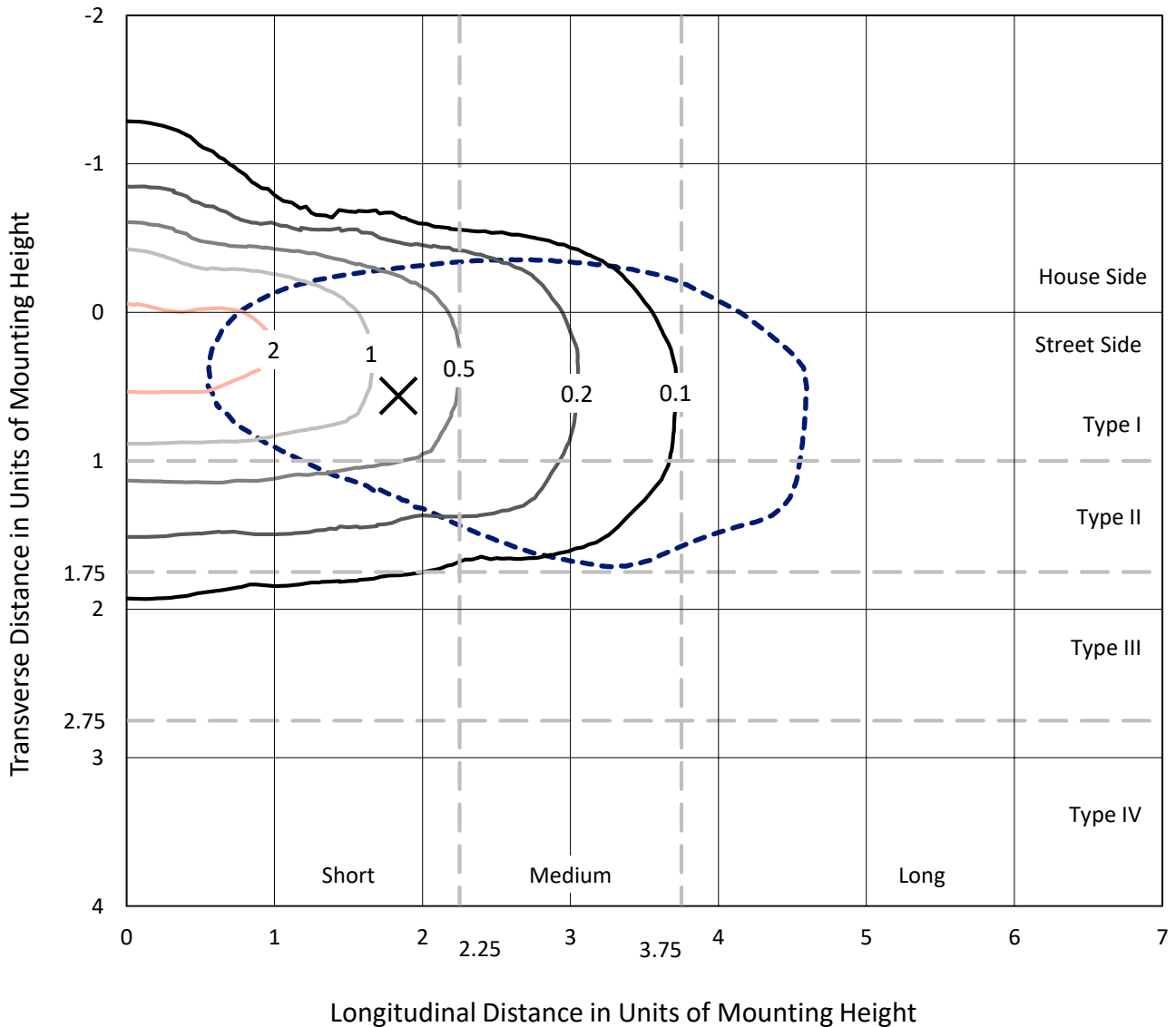


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### Iso-Footcandle Lines of Horizontal Illumination

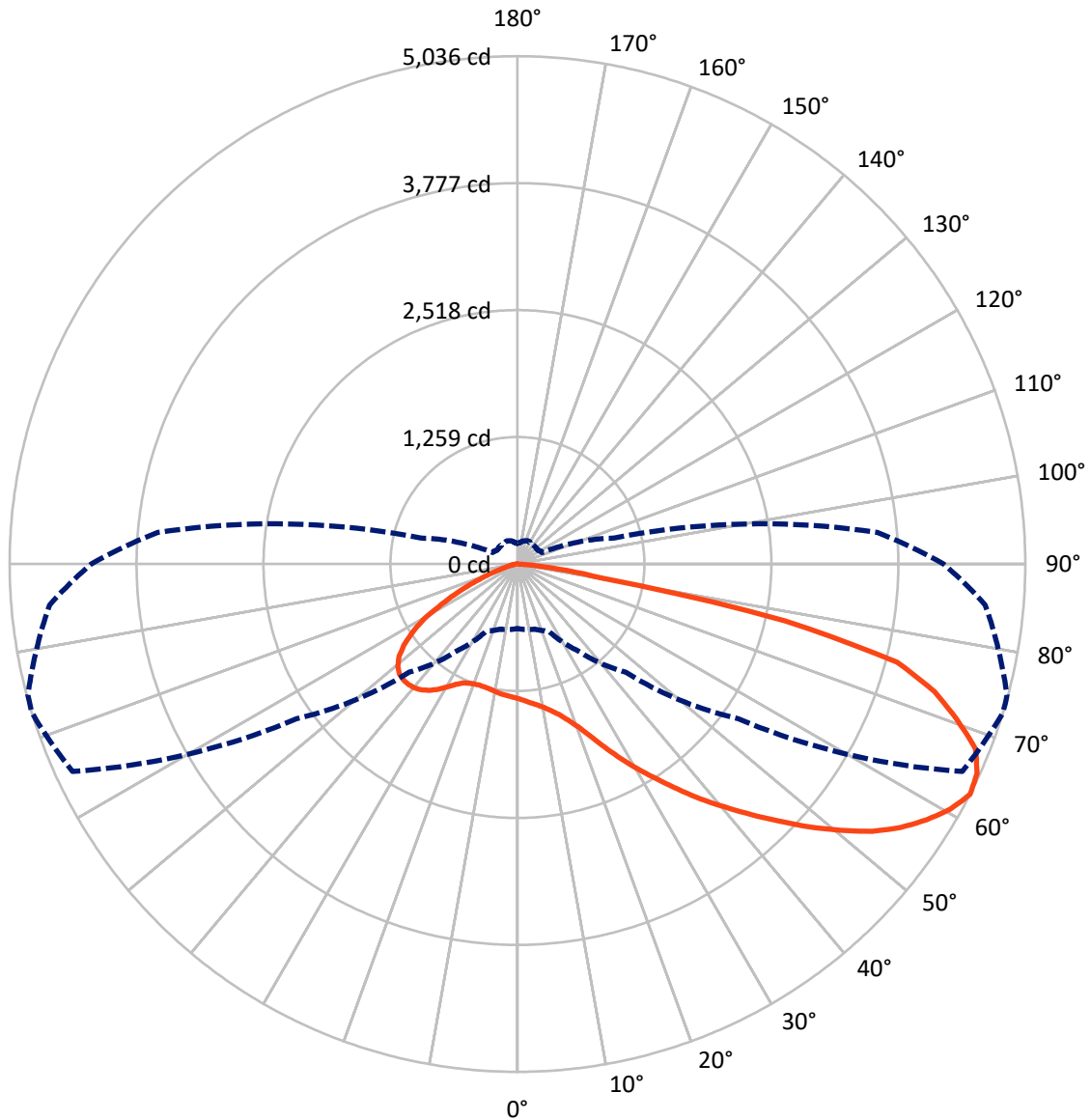
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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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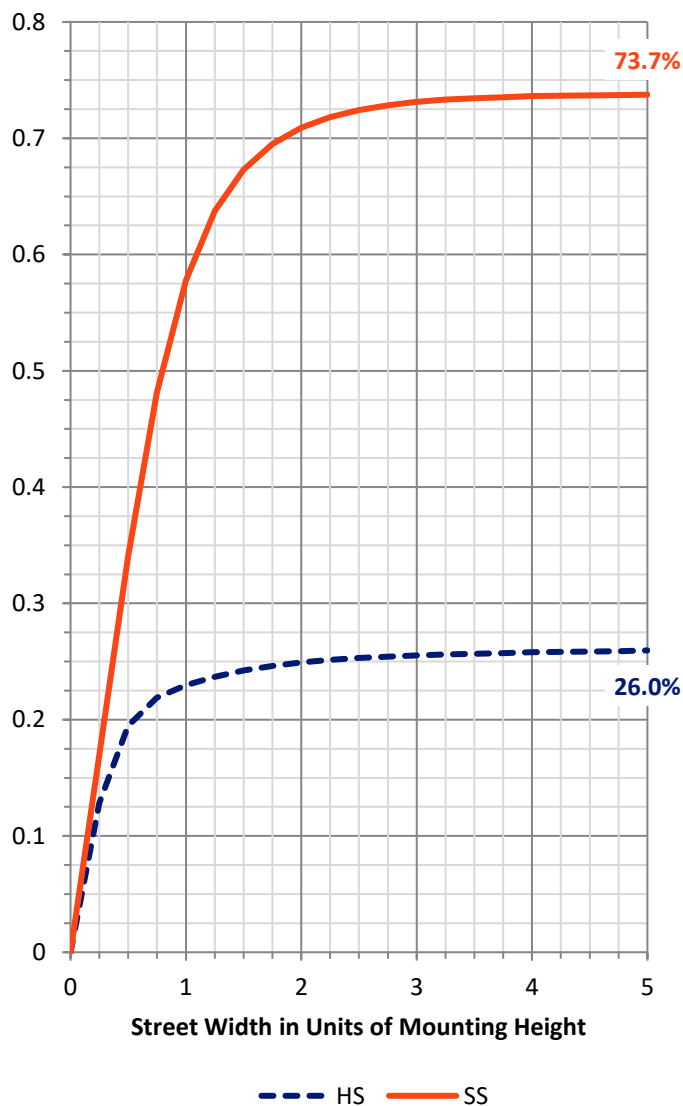
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1947.7	0.0	1947.7
	% Fixture	26.3	0.0	26.3
<b>Street Side</b>	Lumens	5446.3	0.0	5446.3
	% Fixture	73.7	0.0	73.7
<b>Total</b>	Lumens	7394.0	0.0	7394.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.1	1.7
10°-20°	394.5	5.3
20°-30°	682.9	9.2
30°-40°	989.0	13.4
40°-50°	1266.8	17.1
50°-60°	1466.7	19.8
60°-70°	1476.9	20.0
70°-80°	903.0	12.2
80°-90°	85.0	1.1
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°	7394.0	100.0
0°-180°	7394.0	100.0

**Coefficient of Utilization**



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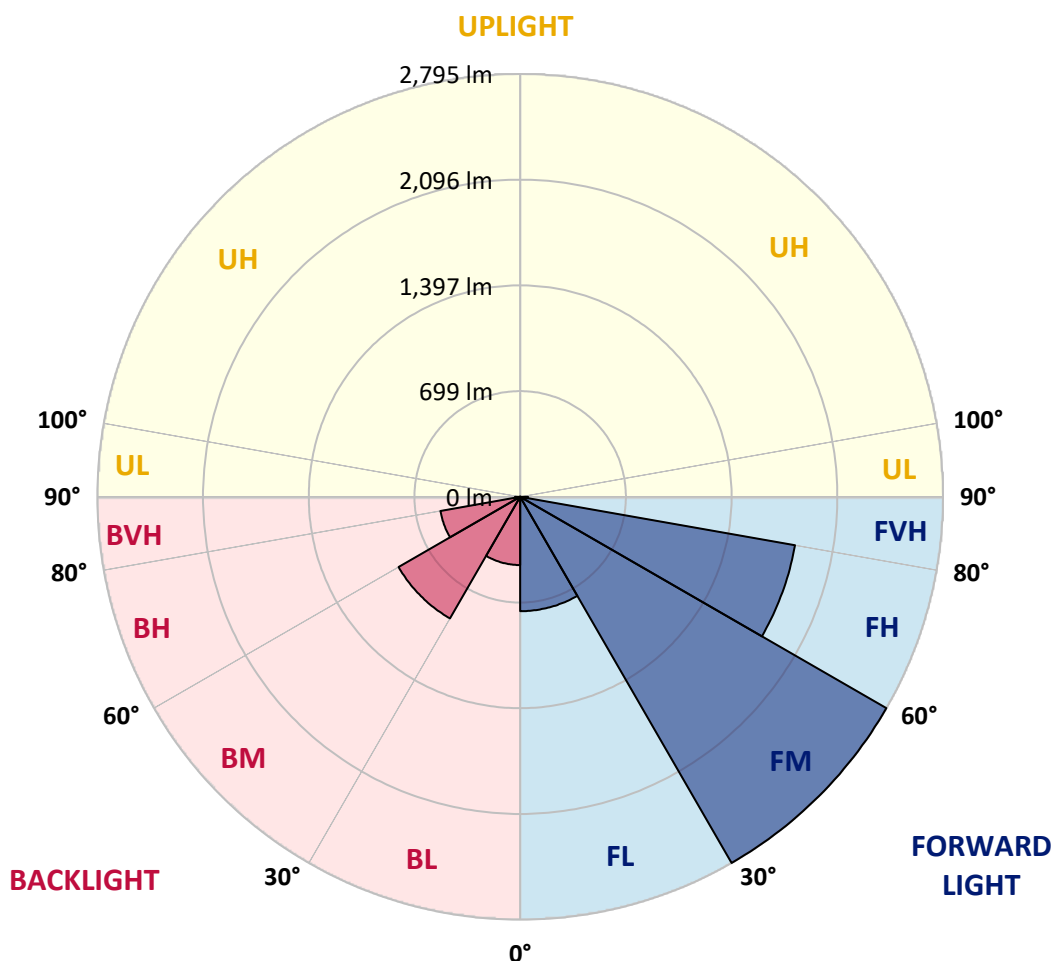
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	755.7	10.2			
FM (30°-60°)	2794.7	37.8			
FH (60°-80°)	1844.5	24.9			G2/5000
FVH (80°-90°)	51.4	0.7			G1/100
BL (0°-30°)	450.8	6.1	B1/500		
BM (30°-60°)	927.8	12.5	B1/1000		
BH (60°-80°)	535.4	7.2	B2/1000		G2/1000
BVH (80°-90°)	33.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6
2.5°	1404.3	1402.2	1398.1	1396.0	1391.8	1381.4	1375.2	1364.7	1356.4	1354.3	1341.8
5°	1473.1	1475.2	1473.1	1466.8	1458.5	1443.9	1423.1	1396.0	1383.5	1379.3	1358.5
7.5°	1537.7	1537.7	1535.6	1527.3	1518.9	1500.2	1471.0	1439.7	1410.6	1402.2	1375.2
10°	1600.2	1600.2	1593.9	1585.6	1573.1	1550.2	1521.0	1481.4	1446.0	1433.5	1387.7
12.5°	1666.9	1664.8	1656.4	1643.9	1627.3	1608.5	1577.3	1533.5	1493.9	1479.3	1414.7
15°	1718.9	1718.9	1712.7	1704.4	1689.8	1666.9	1637.7	1600.2	1548.1	1535.6	1452.2
17.5°	1764.8	1766.9	1762.7	1762.7	1750.2	1733.5	1708.5	1677.3	1627.3	1608.5	1508.5
20°	1802.3	1800.2	1808.5	1814.8	1819.0	1808.5	1794.0	1773.1	1723.1	1704.4	1581.4
22.5°	1819.0	1823.1	1848.1	1879.4	1898.1	1900.2	1898.1	1896.0	1852.3	1827.3	1681.4
25°	1827.3	1833.5	1871.0	1925.2	1966.9	1998.1	2031.5	2052.3	2012.7	1994.0	1831.5
27.5°	1835.6	1841.9	1885.6	1952.3	2031.5	2106.5	2173.2	2212.8	2183.6	2160.7	1985.6
30°	1821.0	1827.3	1877.3	1971.1	2083.6	2214.8	2308.6	2364.9	2360.7	2346.1	2162.7
32.5°	1789.8	1796.0	1852.3	1969.0	2137.7	2325.3	2429.4	2523.2	2542.0	2527.4	2339.9
35°	1733.5	1741.9	1806.5	1944.0	2162.7	2416.9	2556.5	2694.1	2742.0	2744.1	2533.6
37.5°	1656.4	1660.6	1739.8	1896.0	2171.1	2481.5	2662.8	2858.7	2956.6	2958.7	2731.6
40°	1552.3	1562.7	1660.6	1835.6	2152.3	2527.4	2769.1	3037.8	3167.0	3152.4	2946.2
42.5°	1433.5	1441.8	1537.7	1739.8	2108.6	2554.5	2867.0	3225.4	3396.2	3387.9	3148.3
45°	1327.2	1339.7	1412.7	1606.4	2025.2	2560.7	2952.4	3412.9	3633.7	3623.3	3354.5
47.5°	1185.6	1216.8	1314.7	1487.7	1900.2	2533.6	3029.5	3667.1	3896.3	3881.7	3571.2
50°	912.6	923.0	1129.3	1387.7	1758.5	2466.9	3096.2	3902.5	4150.5	4140.1	3798.3
52.5°	823.0	831.3	898.0	1273.1	1616.9	2348.2	3135.8	4204.6	4404.7	4375.5	4002.5
55°	773.0	781.3	818.8	1016.8	1493.9	2169.0	3144.1	4460.9	4610.9	4583.9	4194.2
57.5°	727.2	733.4	768.8	870.9	1352.2	1921.1	3100.4	4667.2	4786.0	4758.9	4367.2
60°	679.2	685.5	723.0	791.8	1177.2	1693.9	2956.6	4827.6	4933.9	4906.8	4523.4
62.5°	639.7	650.1	668.8	733.4	1052.2	1516.8	2675.3	4867.2	5036.0	5025.6	4656.8
65°	591.7	595.9	625.1	677.2	929.3	1393.9	2373.2	4752.6	5008.9	5027.7	4736.0
67.5°	537.6	539.6	566.7	604.2	777.2	1273.1	2104.4	4598.4	4900.6	4931.8	4677.6
70°	464.6	466.7	491.7	531.3	643.8	1104.3	1827.3	4371.3	4623.4	4652.6	4452.6
72.5°	387.5	387.5	408.4	452.1	531.3	914.7	1462.7	3873.4	4325.5	4373.4	4085.9
75°	168.8	175.0	210.4	252.1	343.8	673.0	998.0	2998.3	3887.9	3921.3	3581.7
77.5°	45.8	45.8	54.2	70.8	100.0	300.0	316.7	1318.9	2708.6	2794.1	2648.2
80°	37.5	37.5	41.7	54.2	68.8	147.9	106.3	425.0	837.6	1104.3	1373.1
82.5°	20.8	20.8	25.0	31.3	37.5	37.5	37.5	216.7	412.5	439.6	575.1
85°	10.4	12.5	12.5	14.6	14.6	12.5	12.5	43.8	79.2	89.6	137.5
87.5°	4.2	4.2	4.2	4.2	2.1	2.1	4.2	6.3	6.3	8.3	10.4
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°	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6
2.5°	1337.7	1331.4	1323.1	1316.8	1304.3	1291.8	1283.5	1277.2	1275.1	1273.1	1273.1
5°	1346.0	1335.6	1312.6	1289.7	1271.0	1254.3	1239.7	1229.3	1225.1	1223.1	1223.1
7.5°	1358.5	1343.9	1306.4	1273.1	1239.7	1214.7	1191.8	1177.2	1168.9	1171.0	1177.2
10°	1364.7	1341.8	1291.8	1258.5	1214.7	1175.1	1148.0	1131.4	1125.1	1125.1	1123.0
12.5°	1381.4	1348.1	1281.4	1229.3	1191.8	1137.6	1106.4	1091.8	1083.5	1071.0	1066.8
15°	1406.4	1364.7	1277.2	1208.5	1150.1	1102.2	1060.5	1039.7	1033.5	1016.8	1016.8
17.5°	1452.2	1393.9	1277.2	1185.6	1110.5	1064.7	1010.5	981.4	977.2	966.8	964.7
20°	1506.4	1433.5	1287.6	1162.6	1068.9	1008.4	948.0	918.9	908.4	898.0	898.0
22.5°	1591.8	1493.9	1306.4	1146.0	1025.1	950.1	883.4	841.8	825.1	823.0	818.8
25°	1723.1	1589.8	1335.6	1129.3	981.4	885.5	818.8	764.7	737.6	733.4	731.3
27.5°	1866.9	1721.0	1393.9	1114.7	933.4	812.6	733.4	675.1	641.7	637.6	635.5
30°	2021.1	1856.5	1471.0	1102.2	873.0	729.2	639.7	583.4	552.1	543.8	545.9
32.5°	2189.8	2002.3	1554.3	1091.8	808.4	620.9	537.6	500.1	466.7	452.1	454.2
35°	2354.4	2131.5	1627.3	1083.5	723.0	523.0	458.4	418.8	385.5	366.7	366.7
37.5°	2539.9	2283.6	1687.7	1066.8	631.3	456.3	393.8	354.2	329.2	312.5	312.5
40°	2721.1	2435.7	1735.6	1035.5	529.2	402.1	325.0	302.1	285.4	275.0	270.9
42.5°	2898.2	2587.8	1766.9	983.4	443.8	337.5	270.9	268.8	270.9	260.4	258.4
45°	3081.6	2737.8	1789.8	900.1	383.4	279.2	241.7	256.3	270.9	266.7	266.7
47.5°	3281.6	2883.7	1808.5	764.7	325.0	245.9	239.6	254.2	272.9	275.0	275.0
50°	3473.3	3031.6	1802.3	591.7	285.4	243.8	241.7	245.9	270.9	277.1	272.9
52.5°	3652.5	3158.7	1752.3	431.3	266.7	247.9	247.9	243.8	264.6	268.8	270.9
55°	3833.8	3277.5	1639.8	341.7	256.3	247.9	258.4	247.9	254.2	256.3	260.4
57.5°	3998.4	3398.3	1473.1	306.3	254.2	247.9	258.4	252.1	252.1	243.8	241.7
60°	4125.5	3498.3	1271.0	291.7	247.9	250.0	254.2	254.2	247.9	229.2	222.9
62.5°	4225.5	3581.7	993.9	272.9	243.8	245.9	243.8	252.1	237.5	210.4	204.2
65°	4281.7	3596.2	760.5	252.1	233.4	241.7	235.4	233.4	220.9	191.7	179.2
67.5°	4219.2	3494.1	531.3	231.3	220.9	235.4	225.0	216.7	202.1	175.0	158.4
70°	3977.5	3198.3	350.0	204.2	204.2	220.9	212.5	200.0	181.3	160.4	141.7
72.5°	3523.3	2756.6	210.4	168.8	181.3	202.1	197.9	181.3	127.1	97.9	85.4
75°	2979.5	2264.8	135.4	127.1	147.9	181.3	183.4	162.5	108.3	87.5	87.5
77.5°	2164.8	1487.7	79.2	70.8	97.9	145.8	156.3	118.8	116.7	162.5	118.8
80°	1110.5	720.9	60.4	43.8	52.1	108.3	87.5	89.6	177.1	131.3	83.3
82.5°	481.3	285.4	37.5	31.3	33.3	54.2	56.3	147.9	137.5	77.1	52.1
85°	102.1	54.2	20.8	20.8	20.8	25.0	31.3	160.4	85.4	39.6	16.7
87.5°	10.4	10.4	10.4	10.4	10.4	10.4	8.3	8.3	8.3	6.3	6.3
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)