

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: P507627

Luminaire Tested: **VERD-S-CA1-60-727-U-T3**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507627  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-4)  
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-T3  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2700K, 1150mA LED AND TYPE III OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7340 lumens  
Efficiency: N/A  
Efficacy: 116.0 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): 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

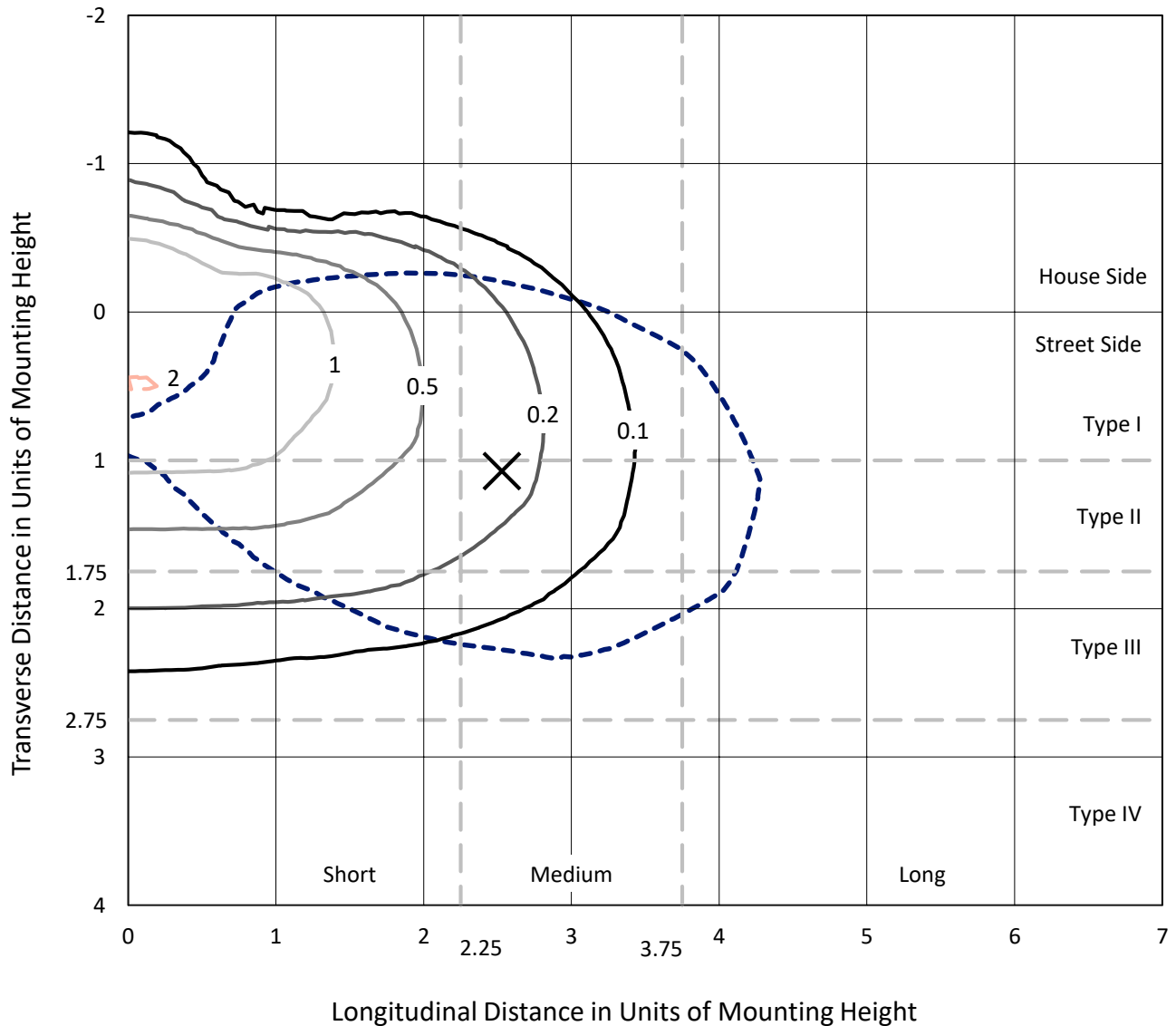


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### Iso-Footcandle Lines of Horizontal Illumination

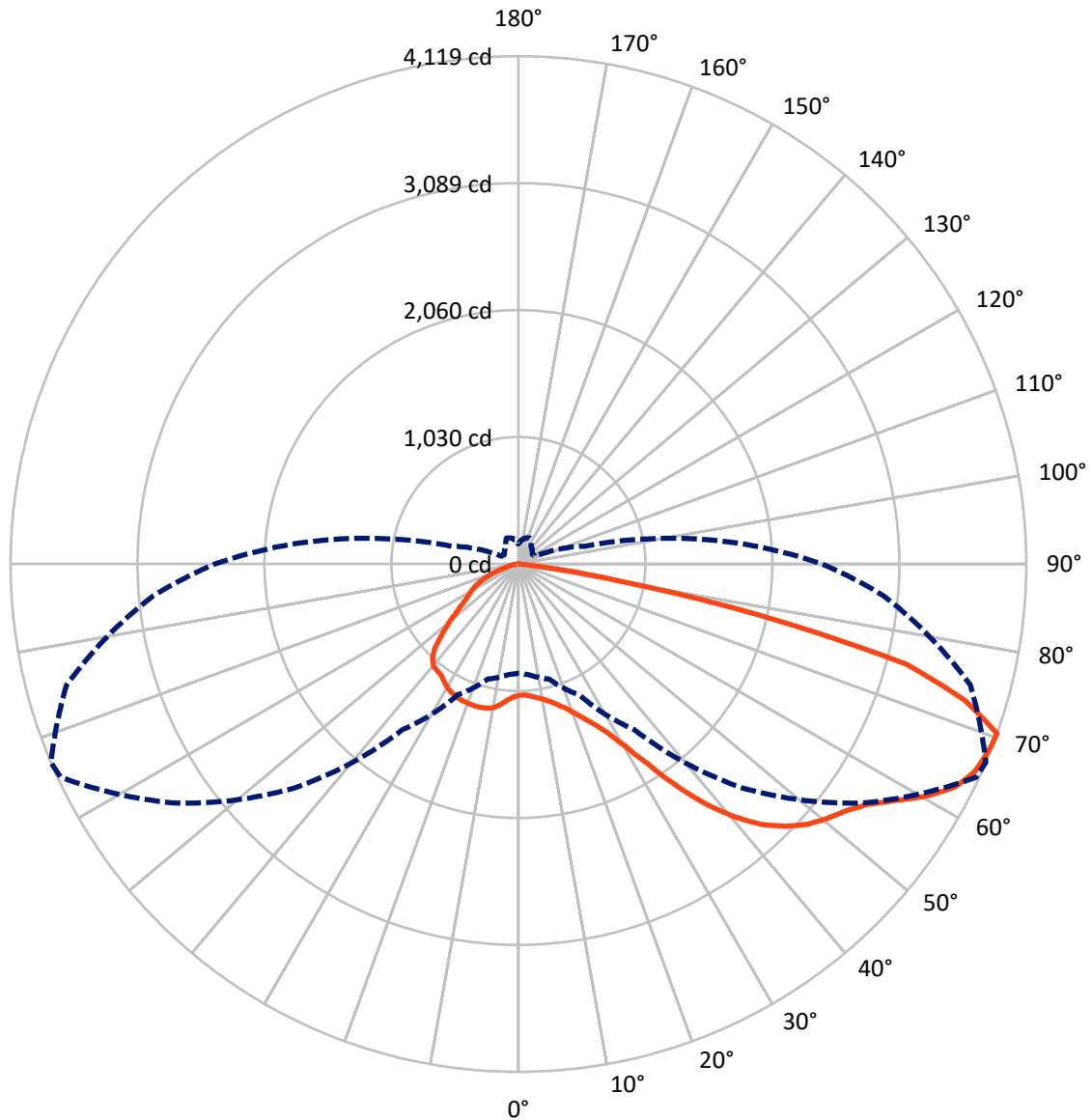
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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

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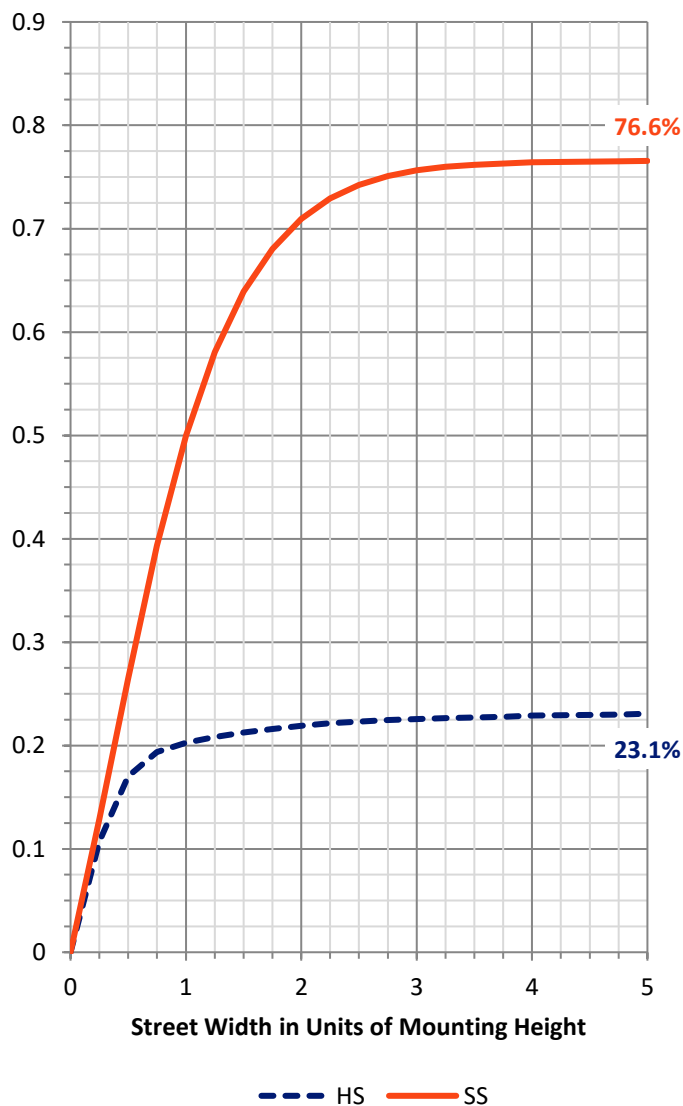
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1717.4	0.0	1717.4
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	5622.6	0.0	5622.6
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	7340.0	0.0	7340.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.1	1.5
10°-20°	347.9	4.7
20°-30°	613.6	8.4
30°-40°	940.6	12.8
40°-50°	1282.1	17.5
50°-60°	1517.2	20.7
60°-70°	1581.7	21.5
70°-80°	884.8	12.1
80°-90°	64.0	0.9
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°	7340.0	100.0
0°-180°	7340.0	100.0

**Coefficient of Utilization**



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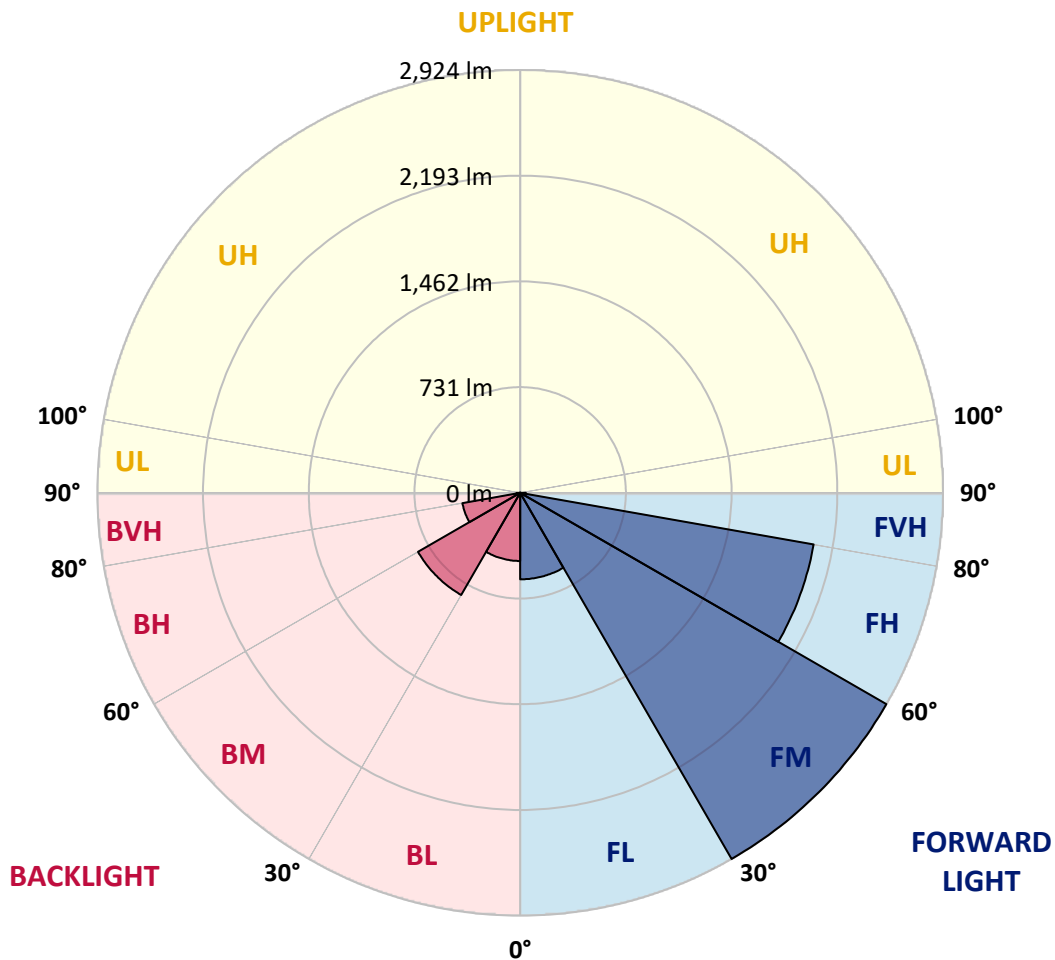
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	598.3	8.2			
FM (30°-60°)	2924.2	39.8			
FH (60°-80°)	2060.9	28.1			G2/5000
FVH (80°-90°)	39.2	0.5			G1/100
BL (0°-30°)	471.4	6.4	B1/500		
BM (30°-60°)	815.7	11.1	B1/1000		
BH (60°-80°)	405.5	5.5	B1/500		G1/500
BVH (80°-90°)	24.8	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-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1064.7	1064.7	1064.7	1064.7	1064.7	1064.7	1064.7	1064.7	1064.7	1064.7	1064.7
2.5°	1068.8	1068.8	1068.8	1066.8	1066.8	1066.8	1064.7	1062.6	1062.6	1064.7	1064.7
5°	1095.9	1095.9	1093.8	1091.8	1087.6	1083.4	1079.3	1077.2	1077.2	1077.2	1079.3
7.5°	1133.4	1131.3	1127.2	1125.1	1118.8	1112.6	1104.3	1095.9	1095.9	1091.8	1095.9
10°	1179.3	1179.3	1173.0	1168.9	1160.5	1143.9	1131.3	1118.8	1116.8	1112.6	1118.8
12.5°	1237.6	1237.6	1233.4	1223.0	1210.5	1189.7	1166.8	1145.9	1143.9	1137.6	1150.1
15°	1308.4	1302.2	1300.1	1291.8	1268.9	1241.8	1210.5	1183.4	1183.4	1173.0	1187.6
17.5°	1387.6	1385.5	1383.5	1373.0	1346.0	1306.4	1264.7	1233.4	1227.2	1220.9	1229.3
20°	1483.5	1481.4	1479.3	1462.6	1431.4	1383.5	1333.5	1291.8	1287.6	1281.4	1275.1
22.5°	1593.9	1593.9	1585.6	1573.1	1529.3	1473.0	1412.6	1360.5	1360.5	1354.3	1325.1
25°	1700.1	1696.0	1691.8	1677.2	1641.8	1581.4	1510.5	1450.1	1441.8	1441.8	1391.8
27.5°	1798.1	1798.1	1804.3	1796.0	1760.6	1698.1	1627.2	1558.5	1554.3	1546.0	1468.9
30°	1900.2	1904.3	1906.4	1906.4	1889.7	1841.8	1764.7	1712.7	1721.0	1700.1	1583.5
32.5°	1977.3	1981.4	2008.5	2033.5	2018.9	1991.8	1948.1	1931.4	1939.8	1956.4	1829.3
35°	2050.2	2056.4	2093.9	2146.0	2168.9	2156.4	2162.7	2191.9	2210.6	2277.3	2166.9
37.5°	2104.4	2110.6	2143.9	2208.5	2277.3	2312.7	2371.0	2435.6	2471.1	2556.5	2398.1
40°	2118.9	2129.4	2198.1	2285.6	2389.8	2496.1	2566.9	2650.2	2694.0	2733.6	2554.4
42.5°	2068.9	2079.3	2168.9	2352.3	2498.1	2660.7	2737.7	2852.3	2887.8	2864.8	2675.2
45°	2037.7	2043.9	2135.6	2346.0	2591.9	2819.0	2894.0	3014.8	3035.7	2979.4	2779.4
47.5°	1993.9	2000.2	2098.1	2335.6	2666.9	2956.5	3008.6	3127.4	3154.4	3075.3	2858.6
50°	1929.3	1937.7	2050.2	2316.9	2716.9	3050.3	3106.5	3229.5	3244.0	3160.7	2941.9
52.5°	1852.2	1864.7	1983.5	2277.3	2750.2	3110.7	3183.6	3310.7	3325.3	3271.1	3031.5
55°	1758.5	1771.0	1898.1	2218.9	2739.8	3129.4	3216.9	3414.9	3439.9	3396.1	3108.6
57.5°	1666.8	1675.1	1806.4	2133.5	2681.5	3158.6	3317.0	3583.6	3617.0	3525.3	3171.1
60°	1556.4	1575.1	1702.2	2016.8	2591.9	3187.8	3446.1	3785.8	3817.0	3650.3	3219.0
62.5°	1441.8	1458.5	1571.0	1871.0	2452.3	3160.7	3544.1	3960.8	3979.5	3750.3	3235.7
65°	1308.4	1310.5	1414.7	1685.6	2252.3	3050.3	3552.4	4046.2	4064.9	3812.8	3206.5
67.5°	1131.3	1131.3	1218.9	1450.1	1983.5	2850.3	3477.4	4073.3	4100.4	3854.5	3135.7
70°	885.5	900.1	966.8	1173.0	1641.8	2566.9	3381.5	4094.1	4119.1	3794.1	2975.3
72.5°	618.8	614.6	683.4	808.4	1187.6	2048.1	3016.9	3787.8	3787.8	3485.7	2681.5
75°	189.6	212.5	243.8	327.1	541.7	1373.0	2471.1	3210.7	3252.4	3019.0	2210.6
77.5°	62.5	62.5	72.9	89.6	116.7	291.7	1235.5	1966.8	2000.2	1964.8	1368.9
80°	50.0	50.0	56.3	64.6	75.0	150.0	435.5	737.6	791.7	873.0	566.7
82.5°	35.4	35.4	37.5	39.6	37.5	60.4	114.6	195.9	200.0	216.7	183.3
85°	22.9	20.8	20.8	18.8	16.7	16.7	14.6	14.6	16.7	16.7	20.8
87.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	6.3	6.3	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1064.7	1064.7	1064.7	1064.7	1064.7	1064.7	1064.7	1064.7	1064.7	1064.7	1064.7
2.5°	1066.8	1068.8	1075.1	1079.3	1083.4	1087.6	1089.7	1091.8	1091.8	1093.8	1093.8
5°	1081.3	1085.5	1095.9	1106.3	1123.0	1139.7	1154.3	1162.6	1164.7	1173.0	1173.0
7.5°	1100.1	1106.3	1131.3	1150.1	1175.1	1193.9	1210.5	1218.9	1227.2	1231.4	1231.4
10°	1129.3	1137.6	1162.6	1183.4	1204.3	1218.9	1229.3	1235.5	1237.6	1239.7	1239.7
12.5°	1158.4	1168.9	1183.4	1200.1	1212.6	1220.9	1227.2	1229.3	1229.3	1229.3	1229.3
15°	1189.7	1193.9	1198.0	1202.2	1208.4	1210.5	1210.5	1208.4	1204.3	1202.2	1202.2
17.5°	1220.9	1216.8	1210.5	1202.2	1193.9	1187.6	1179.3	1170.9	1164.7	1160.5	1162.6
20°	1258.4	1245.9	1218.9	1198.0	1175.1	1152.2	1133.4	1116.8	1104.3	1102.2	1104.3
22.5°	1302.2	1277.2	1233.4	1189.7	1150.1	1108.4	1068.8	1045.9	1033.4	1023.0	1023.0
25°	1354.3	1314.7	1245.9	1177.2	1114.7	1048.0	993.8	958.4	937.6	925.1	929.2
27.5°	1414.7	1364.7	1258.4	1158.4	1062.6	975.1	904.2	848.0	825.1	808.4	810.5
30°	1502.2	1423.0	1273.0	1131.3	995.9	885.5	791.7	725.1	685.5	673.0	677.1
32.5°	1698.1	1548.1	1289.7	1091.8	920.9	779.2	654.2	573.0	531.3	531.3	529.2
35°	2025.2	1808.5	1329.3	1043.8	837.6	660.5	500.0	425.0	423.0	431.3	433.4
37.5°	2254.4	2048.1	1452.2	998.0	745.9	516.7	370.9	350.0	370.9	379.2	377.1
40°	2402.3	2191.9	1593.9	950.1	616.7	370.9	293.8	279.2	300.0	316.7	329.2
42.5°	2523.1	2291.9	1658.5	887.6	460.5	266.7	216.7	212.5	243.8	266.7	275.0
45°	2619.0	2383.5	1666.8	800.1	312.5	197.9	177.1	195.9	233.4	252.1	254.2
47.5°	2696.1	2458.5	1643.9	660.5	208.4	172.9	172.9	197.9	233.4	252.1	252.1
50°	2771.1	2521.1	1585.6	537.5	187.5	168.8	175.0	200.0	231.3	245.9	245.9
52.5°	2833.6	2562.7	1483.5	429.2	181.3	164.6	175.0	200.0	227.1	233.4	229.2
55°	2889.8	2579.4	1391.8	345.9	175.0	162.5	179.2	204.2	225.0	225.0	216.7
57.5°	2921.1	2539.8	1323.0	285.4	168.8	162.5	181.3	208.4	231.3	235.4	229.2
60°	2921.1	2483.6	1248.0	252.1	164.6	162.5	181.3	222.9	275.0	254.2	252.1
62.5°	2881.5	2423.1	1135.5	225.0	158.3	164.6	183.3	247.9	335.4	252.1	241.7
65°	2812.7	2306.5	987.6	200.0	152.1	166.7	181.3	285.4	400.0	243.8	214.6
67.5°	2683.6	2121.0	804.2	175.0	143.8	162.5	177.1	262.5	245.9	202.1	181.3
70°	2460.6	1843.9	558.4	152.1	137.5	158.3	177.1	231.3	218.8	185.4	162.5
72.5°	2129.4	1512.6	300.0	125.0	120.8	150.0	172.9	212.5	187.5	152.1	137.5
75°	1635.6	1075.1	183.3	97.9	100.0	133.3	160.4	202.1	179.2	145.8	127.1
77.5°	943.8	498.0	131.3	72.9	70.8	106.3	143.8	187.5	175.0	141.7	122.9
80°	345.9	206.3	89.6	54.2	47.9	77.1	112.5	152.1	166.7	139.6	125.0
82.5°	147.9	110.4	58.3	37.5	35.4	43.8	68.8	106.3	139.6	112.5	104.2
85°	20.8	20.8	20.8	18.8	20.8	27.1	29.2	52.1	77.1	41.7	41.7
87.5°	8.3	8.3	8.3	8.3	10.4	10.4	8.3	8.3	6.3	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)