

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: P507473

Luminaire Tested: **VERD-S-CA1-30-722-U-T2**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507473  
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-CA1-30-722-U-T2  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2200K, 590mA LED AND TYPE II OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3921.2 lumens  
Efficiency: N/A  
Efficacy: 115.3 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

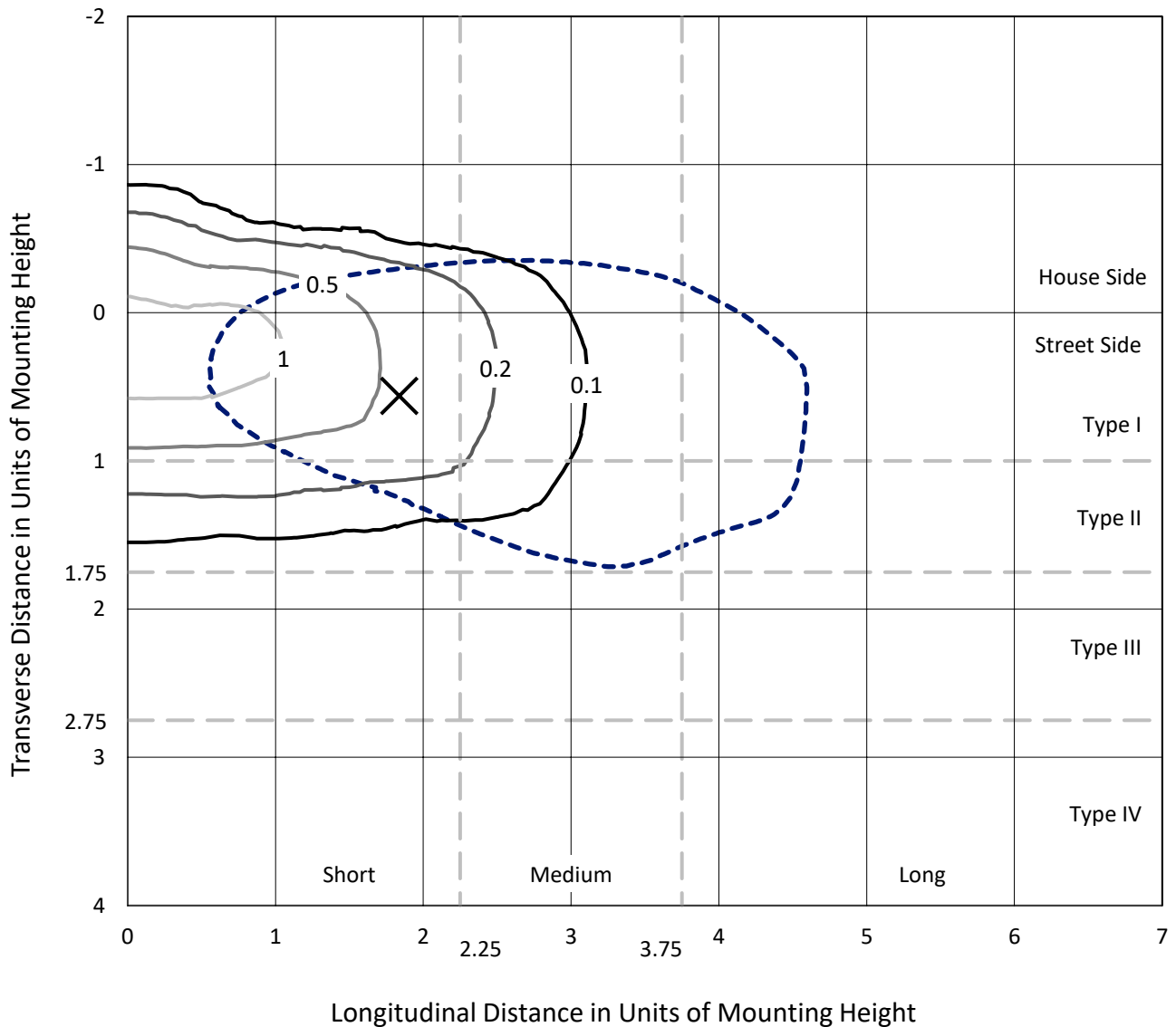
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

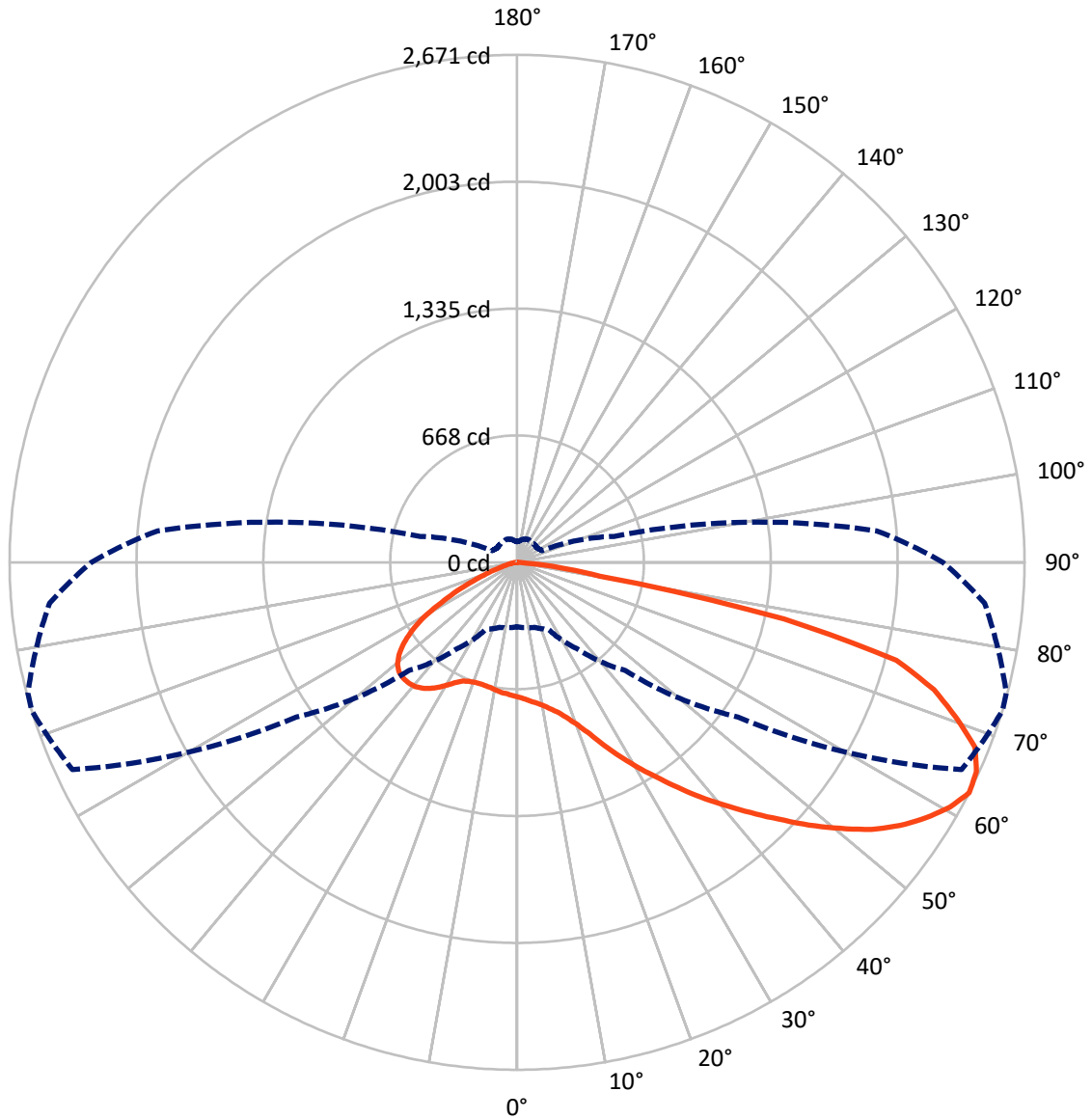
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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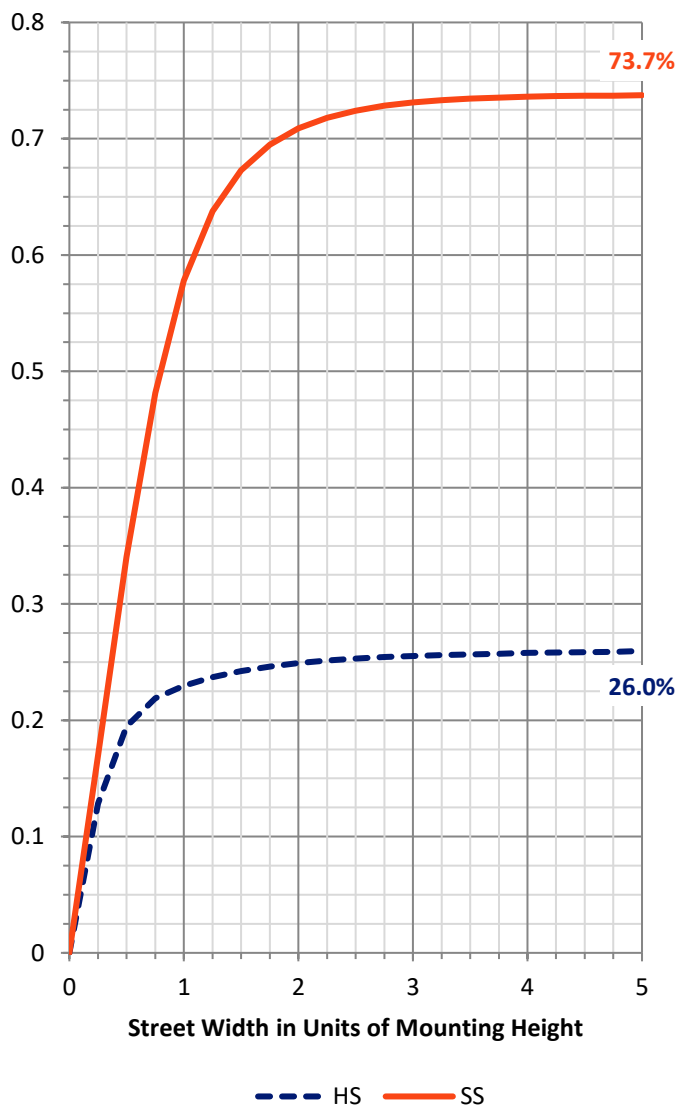
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1032.9	0.0	1032.9
	% Fixture	26.3	0.0	26.3
<b>Street Side</b>	Lumens	2888.3	0.0	2888.3
	% Fixture	73.7	0.0	73.7
<b>Total</b>	Lumens	3921.2	0.0	3921.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.5	1.7
10°-20°	209.2	5.3
20°-30°	362.2	9.2
30°-40°	524.5	13.4
40°-50°	671.8	17.1
50°-60°	777.8	19.8
60°-70°	783.3	20.0
70°-80°	478.9	12.2
80°-90°	45.1	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°	3921.2	100.0
0°-180°	3921.2	100.0

**Coefficient of Utilization**

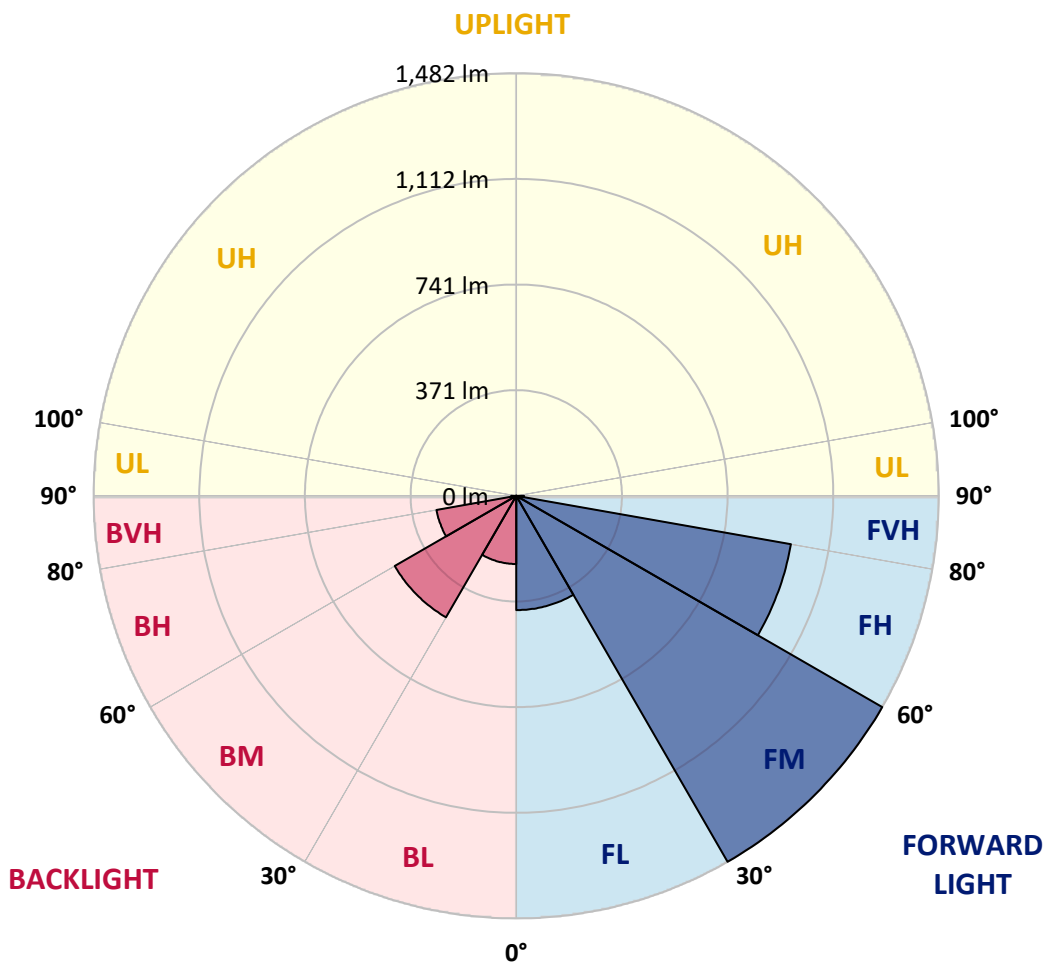


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	400.8	10.2			
FM (30°-60°)	1482.1	37.8			
FH (60°-80°)	978.2	24.9			G1/1800
FVH (80°-90°)	27.2	0.7			G1/100
BL (0°-30°)	239.1	6.1	B1/500		
BM (30°-60°)	492.1	12.5	B1/1000		
BH (60°-80°)	283.9	7.2	B1/500		G1/500
BVH (80°-90°)	17.8	0.5			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°	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3
2.5°	744.8	743.6	741.4	740.3	738.1	732.6	729.3	723.7	719.4	718.2	711.6
5°	781.3	782.3	781.3	777.9	773.4	765.7	754.7	740.3	733.7	731.6	720.4
7.5°	815.4	815.4	814.4	809.9	805.5	795.6	780.1	763.5	748.1	743.6	729.3
10°	848.6	848.6	845.3	840.9	834.3	822.1	806.7	785.6	766.9	760.2	735.9
12.5°	884.0	882.9	878.5	871.8	863.0	853.1	836.5	813.2	792.3	784.5	750.3
15°	911.6	911.6	908.3	903.9	896.1	884.0	868.5	848.6	821.0	814.4	770.2
17.5°	935.9	937.0	934.9	934.9	928.2	919.3	906.1	889.5	863.0	853.1	800.0
20°	955.8	954.7	959.1	962.5	964.7	959.1	951.4	940.4	913.8	903.9	838.7
22.5°	964.7	966.8	980.1	996.6	1006.7	1007.7	1006.7	1005.5	982.3	969.0	891.7
25°	969.0	972.4	992.3	1021.0	1043.1	1059.7	1077.3	1088.4	1067.4	1057.5	971.2
27.5°	973.5	976.7	1000.0	1035.3	1077.3	1117.1	1152.4	1173.5	1158.0	1145.9	1053.0
30°	965.7	969.0	995.6	1045.3	1104.9	1174.5	1224.4	1254.2	1252.0	1244.3	1146.9
32.5°	949.1	952.5	982.3	1044.2	1133.7	1233.1	1288.4	1338.1	1348.0	1340.3	1240.9
35°	919.3	923.8	958.0	1030.9	1146.9	1281.8	1355.8	1428.7	1454.1	1455.3	1343.7
37.5°	878.5	880.7	922.7	1005.5	1151.4	1316.1	1412.1	1516.0	1567.9	1569.1	1448.6
40°	823.3	828.8	880.7	973.5	1141.4	1340.3	1468.5	1611.1	1679.5	1671.8	1562.4
42.5°	760.2	764.7	815.4	922.7	1118.3	1354.7	1520.4	1710.5	1801.1	1796.7	1669.6
45°	703.8	710.5	749.2	851.9	1074.1	1358.1	1565.7	1809.9	1927.0	1921.5	1779.1
47.5°	628.7	645.3	697.3	789.0	1007.7	1343.7	1606.6	1944.7	2066.2	2058.5	1893.9
50°	483.9	489.5	598.9	735.9	932.6	1308.3	1642.0	2069.6	2201.1	2195.6	2014.4
52.5°	436.4	440.9	476.2	675.2	857.4	1245.3	1663.0	2229.9	2335.9	2320.4	2122.6
55°	410.0	414.3	434.2	539.2	792.3	1150.3	1667.4	2365.7	2445.3	2431.0	2224.3
57.5°	385.7	388.9	407.8	461.9	717.2	1018.7	1644.2	2475.2	2538.1	2523.7	2316.0
60°	360.3	363.6	383.4	419.9	624.3	898.4	1567.9	2560.2	2616.6	2602.2	2398.9
62.5°	339.2	344.7	354.7	388.9	558.0	804.4	1418.8	2581.3	2670.8	2665.2	2469.6
65°	313.8	316.1	331.5	359.1	492.8	739.3	1258.5	2520.5	2656.4	2666.3	2511.6
67.5°	285.1	286.2	300.5	320.4	412.1	675.2	1116.1	2438.7	2598.9	2615.4	2480.7
70°	246.5	247.5	260.7	281.8	341.4	585.7	969.0	2318.2	2451.9	2467.5	2361.4
72.5°	205.5	205.5	216.5	239.8	281.8	485.1	775.7	2054.2	2294.0	2319.4	2166.8
75°	89.5	92.9	111.6	133.7	182.4	356.9	529.3	1590.0	2061.9	2079.6	1899.4
77.5°	24.3	24.3	28.8	37.6	53.0	159.1	168.0	699.4	1436.5	1481.7	1404.4
80°	19.9	19.9	22.1	28.8	36.5	78.5	56.4	225.4	444.2	585.7	728.2
82.5°	11.0	11.0	13.2	16.6	19.9	19.9	19.9	114.9	218.7	233.1	305.0
85°	5.5	6.7	6.7	7.7	7.7	6.7	6.7	23.2	42.0	47.5	72.9
87.5°	2.2	2.2	2.2	2.2	1.2	1.2	2.2	3.3	3.3	4.4	5.5
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°	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3
2.5°	709.3	706.1	701.6	698.3	691.7	685.1	680.7	677.4	676.2	675.2	675.2
5°	713.8	708.3	696.1	684.0	674.0	665.2	657.5	651.9	649.7	648.6	648.6
7.5°	720.4	712.7	692.8	675.2	657.5	644.2	632.0	624.3	619.9	621.0	624.3
10°	723.7	711.6	685.1	667.3	644.2	623.2	608.9	600.0	596.7	596.7	595.6
12.5°	732.6	714.9	679.5	651.9	632.0	603.3	586.7	579.0	574.6	567.9	565.8
15°	745.8	723.7	677.4	640.9	609.9	584.5	562.4	551.4	548.0	539.2	539.2
17.5°	770.2	739.3	677.4	628.7	589.0	564.6	535.9	520.4	518.2	512.7	511.6
20°	798.9	760.2	682.9	616.6	566.9	534.8	502.8	487.3	481.8	476.2	476.2
22.5°	844.2	792.3	692.8	607.7	543.7	503.8	468.5	446.4	437.6	436.4	434.2
25°	913.8	843.0	708.3	598.9	520.4	469.6	434.2	405.5	391.2	388.9	387.9
27.5°	990.1	912.7	739.3	591.2	495.0	430.9	388.9	358.1	340.3	338.2	337.0
30°	1071.8	984.6	780.1	584.5	463.0	386.7	339.2	309.4	292.8	288.5	289.5
32.5°	1161.3	1061.9	824.3	579.0	428.7	329.3	285.1	265.2	247.5	239.8	240.9
35°	1248.6	1130.3	863.0	574.6	383.4	277.3	243.1	222.1	204.5	194.5	194.5
37.5°	1347.0	1211.0	895.1	565.8	334.8	242.0	208.8	187.9	174.5	165.8	165.8
40°	1443.1	1291.7	920.5	549.2	280.6	213.2	172.4	160.3	151.4	145.9	143.6
42.5°	1537.0	1372.4	937.0	521.6	235.4	179.0	143.6	142.6	143.6	138.1	137.0
45°	1634.3	1451.9	949.1	477.4	203.3	148.1	128.2	135.9	143.6	141.4	141.4
47.5°	1740.3	1529.3	959.1	405.5	172.4	130.4	127.0	134.9	144.7	145.9	145.9
50°	1842.0	1607.7	955.8	313.8	151.4	129.3	128.2	130.4	143.6	146.9	144.7
52.5°	1937.0	1675.2	929.3	228.7	141.4	131.5	131.5	129.3	140.4	142.6	143.6
55°	2033.1	1738.1	869.6	181.2	135.9	131.5	137.0	131.5	134.9	135.9	138.1
57.5°	2120.4	1802.2	781.3	162.5	134.9	131.5	137.0	133.7	133.7	129.3	128.2
60°	2187.9	1855.2	674.0	154.6	131.5	132.5	134.9	134.9	131.5	121.5	118.3
62.5°	2240.9	1899.4	527.1	144.7	129.3	130.4	129.3	133.7	126.0	111.6	108.3
65°	2270.7	1907.2	403.3	133.7	123.8	128.2	124.8	123.8	117.1	101.7	95.0
67.5°	2237.6	1853.0	281.8	122.7	117.1	124.8	119.3	114.9	107.2	92.9	84.0
70°	2109.4	1696.1	185.6	108.3	108.3	117.1	112.8	106.1	96.2	85.0	75.1
72.5°	1868.5	1461.8	111.6	89.5	96.2	107.2	104.9	96.2	67.4	51.9	45.3
75°	1580.1	1201.1	71.8	67.4	78.5	96.2	97.2	86.2	57.4	46.4	46.4
77.5°	1148.1	789.0	42.0	37.6	51.9	77.3	82.8	62.9	61.9	86.2	62.9
80°	589.0	382.3	32.1	23.2	27.6	57.4	46.4	47.5	93.9	69.6	44.2
82.5°	255.2	151.4	19.9	16.6	17.7	28.8	29.8	78.5	72.9	40.8	27.6
85°	54.2	28.8	11.0	11.0	11.0	13.2	16.6	85.0	45.3	20.9	8.9
87.5°	5.5	5.5	5.5	5.5	5.5	5.5	4.4	4.4	4.4	3.3	3.3
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)