

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: P233679

Luminaire Tested: **VERD-C01H-D-U-T2-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-32)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-C01H-D-U-T2-7030-HSS
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1210mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7847 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

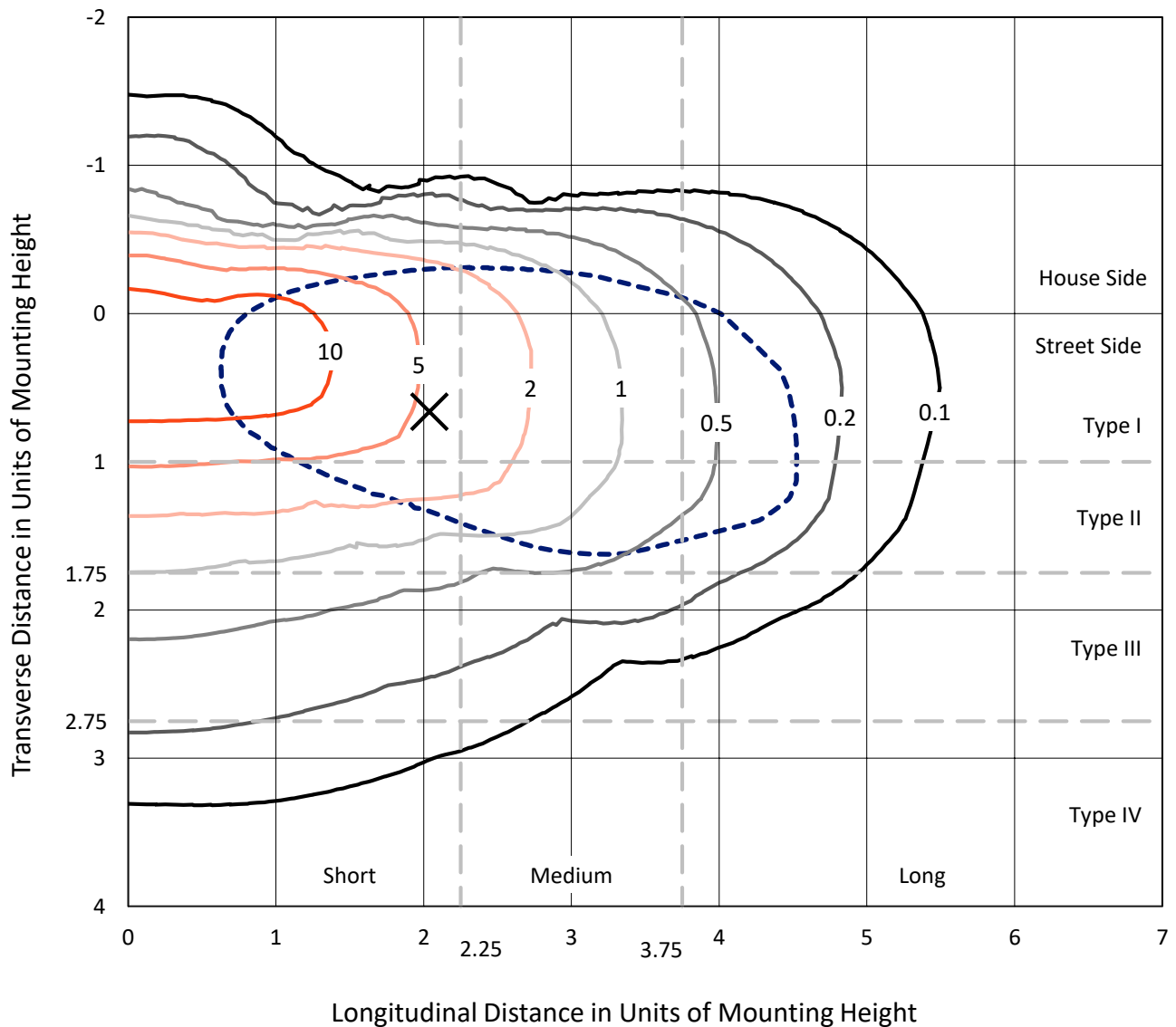
Input Watts (W): 73
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P233679
 CATALOG NUMBER: VERD-C01H-D-U-T2-7030-HSS

Iso-Footcandle Lines of Horizontal Illumination

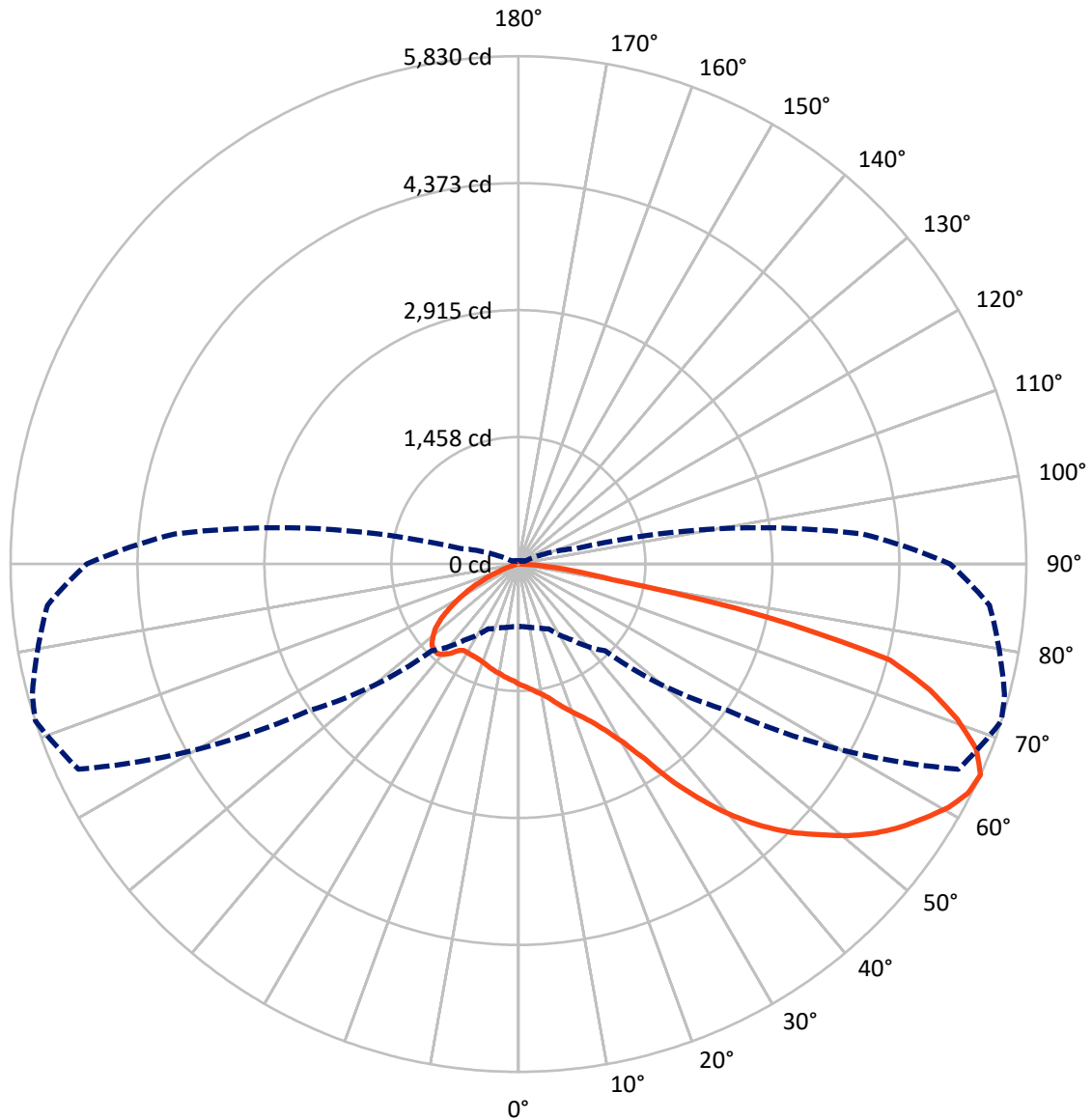
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.3 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P233679
CATALOG NUMBER: VERD-C01H-D-U-T2-7030-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P233679

CATALOG NUMBER: VERD-C01H-D-U-T2-7030-HSS

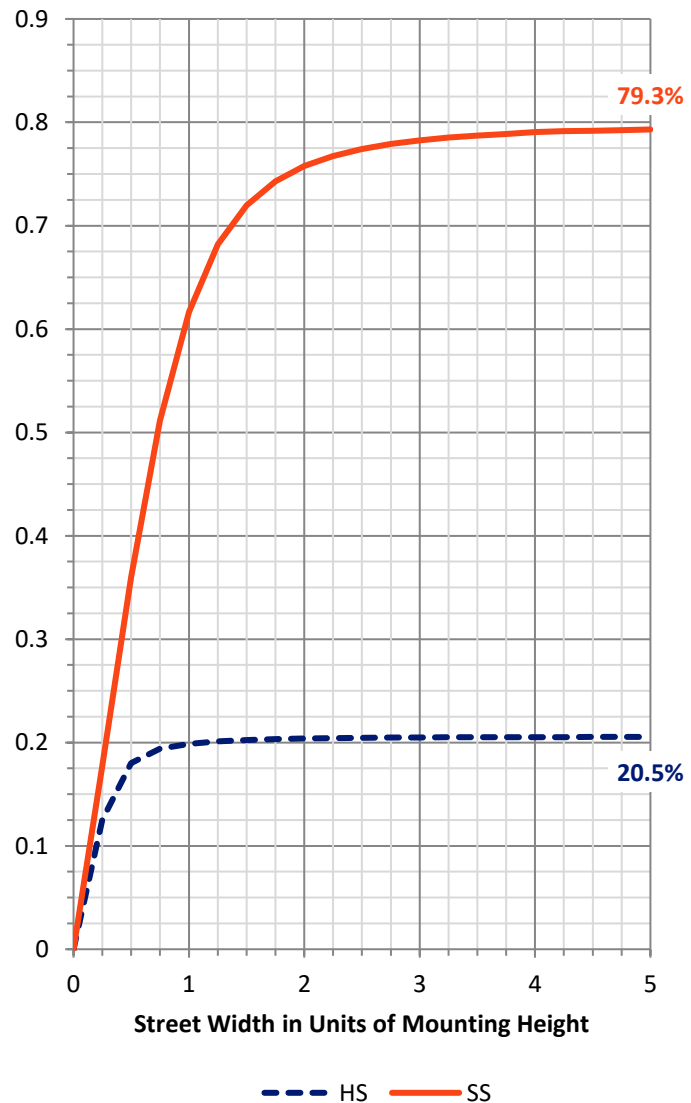
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1630.6	0.0	1630.6
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	6216.4	0.0	6216.4
	% Fixture	79.2	0.0	79.2
Total	Lumens	7847.0	0.0	7847.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.6	1.7
10°-20°	402.4	5.1
20°-30°	672.3	8.6
30°-40°	994.6	12.7
40°-50°	1374.9	17.5
50°-60°	1608.9	20.5
60°-70°	1599.2	20.4
70°-80°	957.8	12.2
80°-90°	104.3	1.3
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°	7847.0	100.0
0°-180°	7847.0	100.0



REPORT NUMBER: P233679

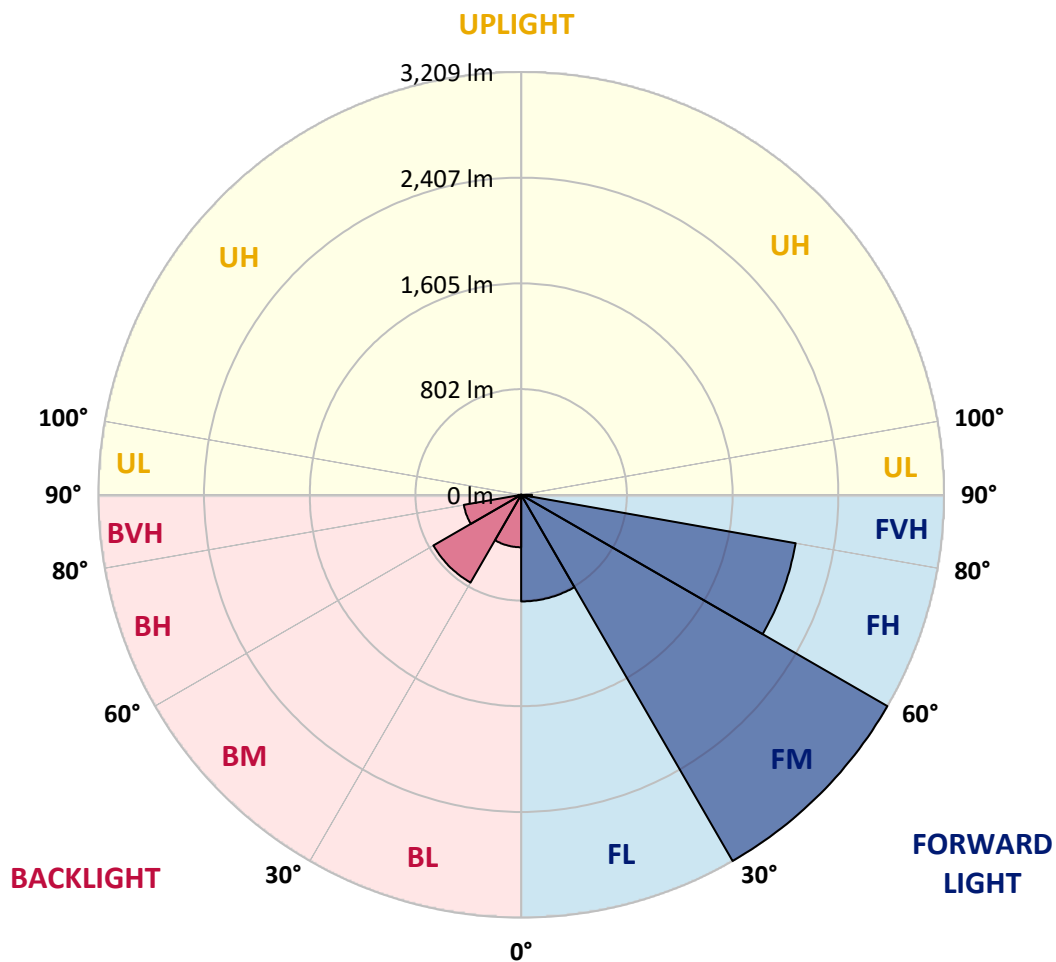
CATALOG NUMBER: VERD-C01H-D-U-T2-7030-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	809.2	10.3			
FM (30°-60°)	3209.2	40.9			
FH (60°-80°)	2115.6	27.0			G2/5000
FVH (80°-90°)	82.4	1.1			G1/100
BL (0°-30°)	398.1	5.1	B1/500		
BM (30°-60°)	769.2	9.8	B1/1000		
BH (60°-80°)	441.5	5.6	B1/500		G1/500
BVH (80°-90°)	21.8	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 II Short





REPORT NUMBER: P233679

CATALOG NUMBER: VERD-C01H-D-U-T2-7030-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1383.0	1383.0	1383.0	1383.0	1383.0	1383.0	1383.0	1383.0	1383.0	1383.0	1383.0
2.5°	1499.5	1500.8	1501.4	1477.7	1464.9	1450.2	1436.1	1420.7	1404.7	1399.0	1377.8
5°	1591.7	1593.0	1589.1	1567.4	1543.7	1521.9	1495.0	1467.5	1440.6	1432.9	1397.0
7.5°	1680.7	1680.0	1676.8	1649.3	1619.9	1591.0	1553.3	1516.1	1480.9	1468.8	1415.6
10°	1754.3	1755.6	1757.5	1728.1	1699.2	1664.7	1618.6	1563.5	1523.2	1504.0	1434.8
12.5°	1835.0	1831.1	1836.3	1807.5	1767.8	1736.4	1694.8	1630.1	1582.1	1557.8	1472.0
15°	1927.2	1927.2	1920.1	1896.4	1856.1	1817.7	1776.1	1716.5	1658.9	1621.8	1521.9
17.5°	1990.6	1986.7	1984.8	1964.3	1929.7	1896.4	1864.4	1803.6	1740.9	1695.4	1568.6
20°	2017.5	2018.7	2027.7	2013.0	1994.4	1974.6	1939.3	1892.0	1822.8	1774.2	1618.6
22.5°	2069.3	2070.6	2081.5	2071.2	2066.1	2061.0	2028.3	1986.7	1913.1	1866.4	1681.3
25°	2072.5	2073.8	2103.3	2119.9	2146.1	2158.3	2135.9	2100.0	2025.1	1979.7	1774.8
27.5°	2082.1	2086.0	2116.1	2162.2	2231.3	2255.6	2242.8	2241.5	2178.2	2130.1	1896.4
30°	2073.8	2077.6	2121.2	2185.2	2281.2	2353.0	2367.7	2405.5	2379.8	2344.0	2065.5
32.5°	2014.9	2029.0	2080.8	2182.6	2324.1	2454.1	2501.5	2630.8	2669.2	2673.1	2404.8
35°	1908.0	1915.7	2009.8	2153.2	2353.0	2549.5	2680.1	2918.9	3081.6	3074.5	2780.6
37.5°	1826.7	1829.2	1925.9	2103.3	2369.0	2652.0	2883.7	3266.0	3452.9	3461.2	3120.0
40°	1722.3	1740.9	1833.7	2043.1	2360.0	2738.4	3086.0	3589.3	3807.0	3798.0	3417.7
42.5°	1625.0	1635.9	1728.1	1948.9	2327.3	2804.3	3284.5	3902.4	4116.2	4086.8	3703.3
45°	1523.8	1542.4	1626.9	1827.3	2262.7	2841.5	3464.4	4199.5	4395.4	4358.9	3954.9
47.5°	1422.7	1436.1	1525.7	1715.9	2141.0	2840.2	3641.2	4478.0	4643.2	4617.5	4193.1
50°	1082.7	1112.1	1347.7	1599.4	1970.1	2786.4	3783.9	4742.4	4903.1	4863.4	4425.5
52.5°	992.4	1002.0	1068.0	1464.3	1787.6	2658.4	3895.3	4990.8	5132.3	5086.9	4644.4
55°	938.0	949.5	976.4	1190.2	1637.8	2447.7	3941.4	5222.6	5328.2	5282.1	4839.7
57.5°	865.6	877.2	930.3	1025.1	1481.6	2126.9	3873.6	5428.1	5501.7	5451.2	5020.9
60°	815.7	820.8	872.0	946.3	1310.6	1803.0	3646.9	5595.2	5672.1	5611.9	5200.2
62.5°	769.6	775.4	811.8	885.5	1169.1	1565.4	3294.1	5636.2	5793.1	5746.3	5364.1
65°	716.4	721.6	754.9	820.2	1059.6	1410.5	2930.5	5573.5	5830.2	5777.1	5427.5
67.5°	646.0	653.1	679.3	738.2	916.2	1235.1	2389.4	5457.6	5667.6	5612.5	5297.5
70°	558.9	562.1	593.5	646.7	774.1	1071.8	1874.0	5045.2	5345.5	5284.7	4931.3
72.5°	451.4	457.1	491.1	546.8	635.8	882.9	1338.8	4359.5	4937.7	4914.6	4397.9
75°	301.6	324.0	404.6	461.0	525.7	689.6	898.9	3059.8	4408.2	4426.1	3757.0
77.5°	57.6	59.5	169.7	252.3	307.3	421.3	556.4	1503.3	2905.5	3219.9	2833.1
80°	37.8	41.0	72.3	176.7	203.6	208.7	285.6	658.8	1094.8	1384.9	1633.9
82.5°	19.8	23.7	43.5	102.4	93.5	51.9	93.5	340.0	607.0	697.2	824.0
85°	8.3	9.6	21.1	35.2	26.3	21.8	21.8	135.7	268.9	311.2	323.3
87.5°	1.3	1.3	4.5	6.4	3.8	2.6	1.9	0.6	0.6	0.6	0.6
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: P233679

CATALOG NUMBER: VERD-C01H-D-U-T2-7030-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1383.0	1383.0	1383.0	1383.0	1383.0	1383.0	1383.0	1383.0	1383.0	1383.0	1383.0
2.5°	1377.8	1366.3	1350.3	1331.7	1318.3	1311.3	1305.5	1290.1	1285.0	1295.2	1292.7
5°	1383.6	1370.2	1333.7	1303.6	1273.5	1254.9	1234.4	1207.5	1196.0	1202.4	1200.5
7.5°	1387.4	1370.8	1316.4	1269.6	1219.1	1183.8	1156.9	1121.7	1104.4	1110.8	1103.2
10°	1393.2	1368.2	1295.9	1233.8	1167.8	1116.6	1076.9	1035.9	1018.0	1023.1	1016.7
12.5°	1417.5	1377.2	1286.3	1203.0	1122.4	1058.3	1008.4	964.9	939.3	944.4	939.3
15°	1457.2	1395.1	1272.2	1164.0	1074.4	1001.4	943.7	893.8	864.3	871.4	865.0
17.5°	1498.8	1416.9	1259.4	1120.5	1023.1	941.8	881.6	839.4	792.0	796.5	786.9
20°	1534.7	1437.4	1252.3	1079.5	975.1	878.4	806.1	777.3	712.0	695.3	684.4
22.5°	1584.6	1467.5	1246.6	1046.2	915.6	815.0	729.3	675.5	605.0	569.8	566.6
25°	1655.7	1512.3	1245.9	1019.9	861.8	748.5	628.7	538.5	476.4	434.7	429.0
27.5°	1746.0	1571.8	1253.0	993.7	808.0	664.6	505.2	405.3	349.6	317.6	311.8
30°	1876.0	1649.9	1262.0	963.6	747.8	555.7	376.5	298.4	252.3	229.2	224.7
32.5°	2154.5	1850.3	1275.4	932.2	675.5	418.7	273.4	216.4	181.2	167.1	174.2
35°	2490.0	2122.5	1335.6	891.9	580.7	298.4	197.2	154.3	130.0	133.2	137.0
37.5°	2783.2	2382.4	1470.7	840.0	453.9	219.0	135.7	115.2	115.2	125.5	134.5
40°	3059.8	2616.7	1591.7	769.6	318.2	151.1	105.0	106.9	105.0	111.4	109.5
42.5°	3321.0	2838.9	1686.4	685.7	208.1	104.4	95.4	99.2	96.0	97.3	91.6
45°	3568.2	3068.8	1738.9	562.1	138.3	90.9	87.7	94.1	93.5	92.2	86.4
47.5°	3796.7	3271.1	1765.2	405.3	95.4	82.0	82.6	87.1	89.0	87.7	84.5
50°	4020.8	3472.8	1741.5	242.7	85.8	74.9	79.4	79.4	83.2	76.2	73.6
52.5°	4235.3	3675.1	1666.6	147.3	78.8	69.8	73.6	72.3	74.3	67.2	65.9
55°	4437.0	3825.5	1518.7	115.9	74.3	66.6	67.2	68.5	65.3	57.6	60.2
57.5°	4650.2	3953.6	1312.5	105.0	72.3	62.1	63.4	62.7	57.6	50.6	50.6
60°	4825.6	4046.4	1105.7	95.4	71.1	60.8	56.3	55.1	47.4	43.5	42.9
62.5°	4946.6	4072.7	904.0	85.2	67.2	56.3	50.6	46.7	39.7	35.9	34.6
65°	4956.2	3960.6	688.3	76.8	63.4	52.5	46.7	38.4	31.4	28.2	26.9
67.5°	4759.7	3649.5	485.3	70.4	57.0	48.7	41.0	30.7	25.0	22.4	21.8
70°	4348.6	3262.8	297.1	61.5	51.9	45.5	42.3	25.0	20.5	17.3	17.3
72.5°	3815.9	2826.1	174.2	52.5	43.5	36.5	28.2	21.1	17.3	13.4	13.4
75°	3270.4	2243.5	106.9	39.7	32.0	28.8	21.8	17.9	14.1	10.2	10.2
77.5°	2354.9	1656.4	83.2	25.6	19.8	20.5	16.0	14.1	11.5	8.3	8.3
80°	1445.1	1008.4	59.5	17.3	11.5	11.5	11.5	10.9	8.3	7.0	6.4
82.5°	732.5	461.0	29.5	10.2	7.0	7.0	7.0	7.7	6.4	5.1	5.1
85°	257.4	129.3	9.0	5.1	4.5	4.5	3.8	3.8	3.2	2.6	2.6
87.5°	0.6	1.3	1.3	1.9	2.6	2.6	1.9	1.3	0.6	0.0	0.0
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)