

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: P507632

Luminaire Tested: **VERD-S-CA1-60-730-U-T2-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507632
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-CA1-60-730-U-T2-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1150mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7912 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

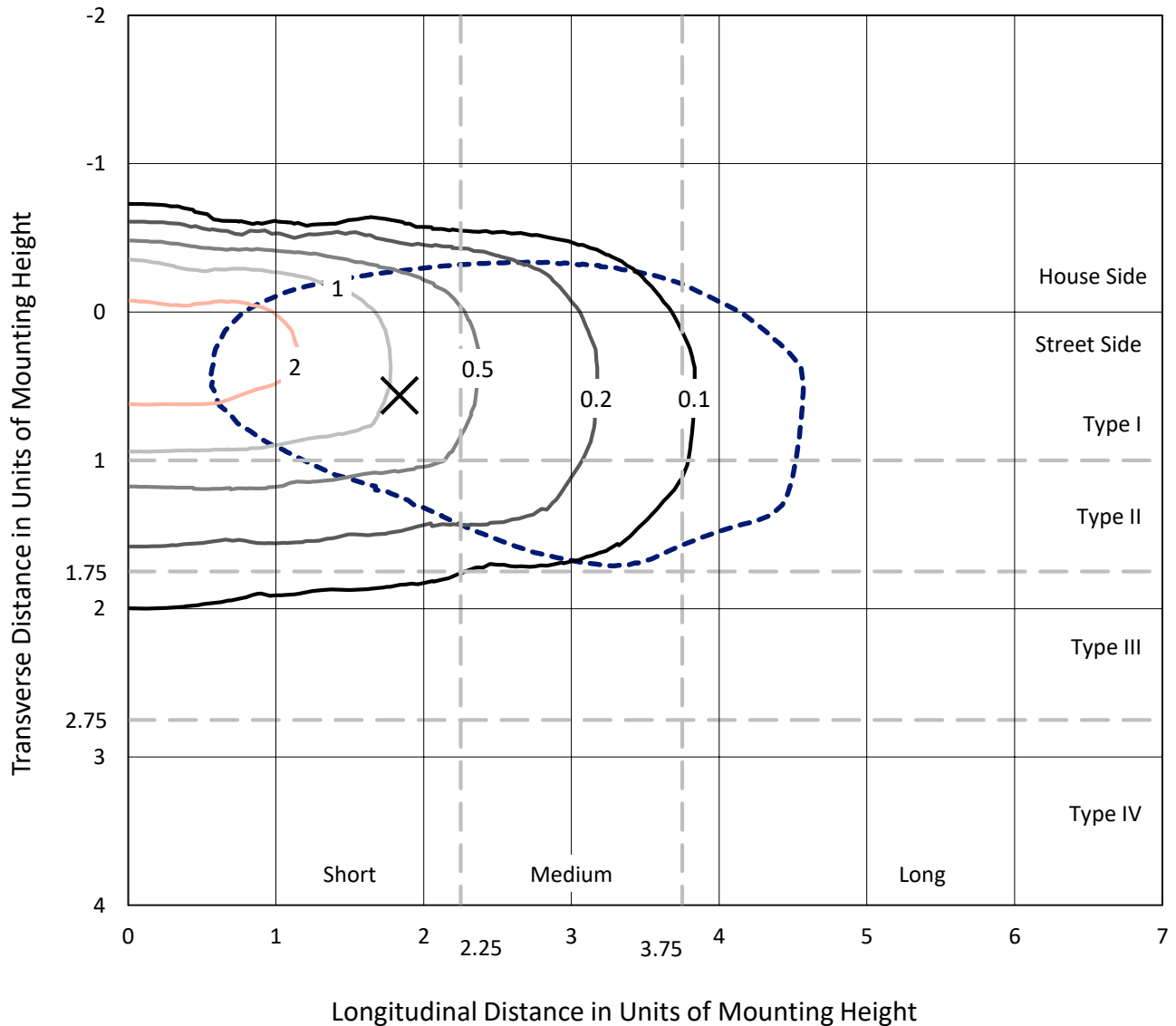
Input Watts (W): 63.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

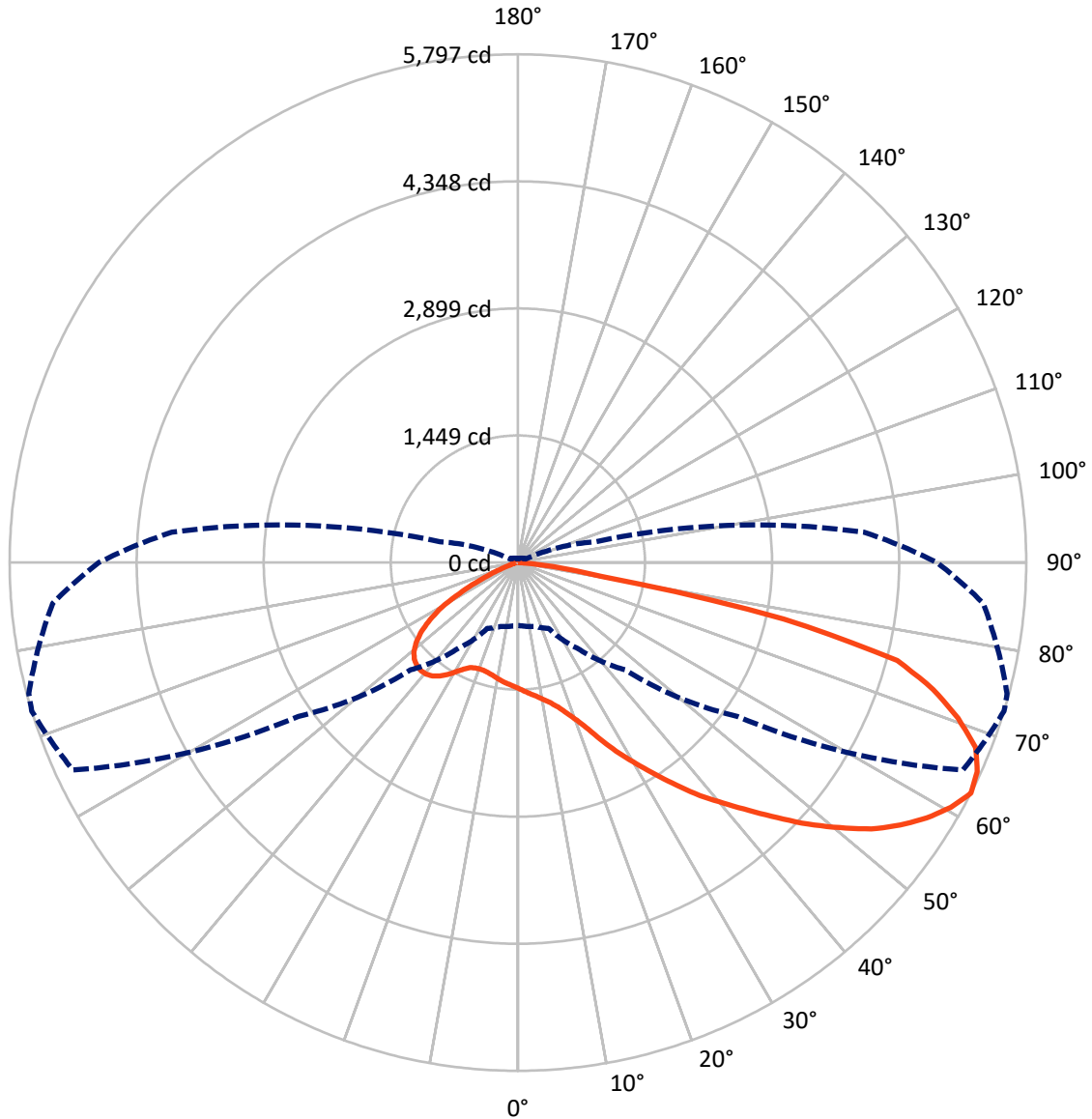
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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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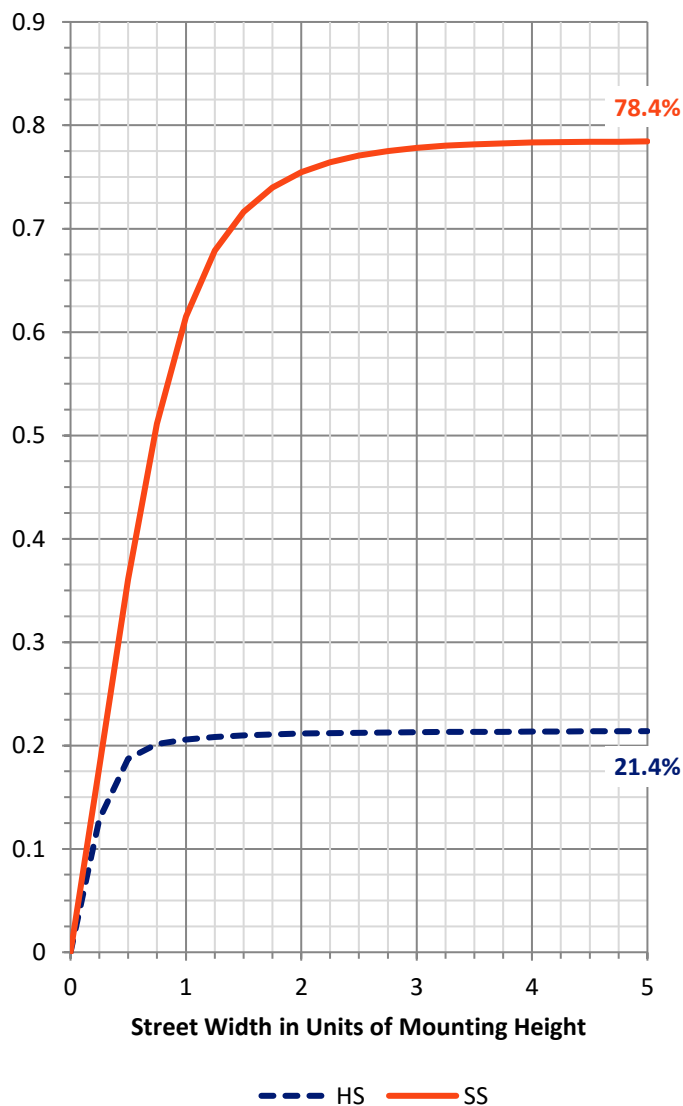
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1713.8	0.0	1713.8
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	6198.2	0.0	6198.2
	% Fixture	78.3	0.0	78.3
Total	Lumens	7912.0	0.0	7912.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.4	1.7
10°-20°	413.8	5.2
20°-30°	715.8	9.0
30°-40°	1051.2	13.3
40°-50°	1366.4	17.3
50°-60°	1584.2	20.0
60°-70°	1594.3	20.2
70°-80°	971.5	12.3
80°-90°	77.4	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°	7912.0	100.0
0°-180°	7912.0	100.0

Coefficient of Utilization



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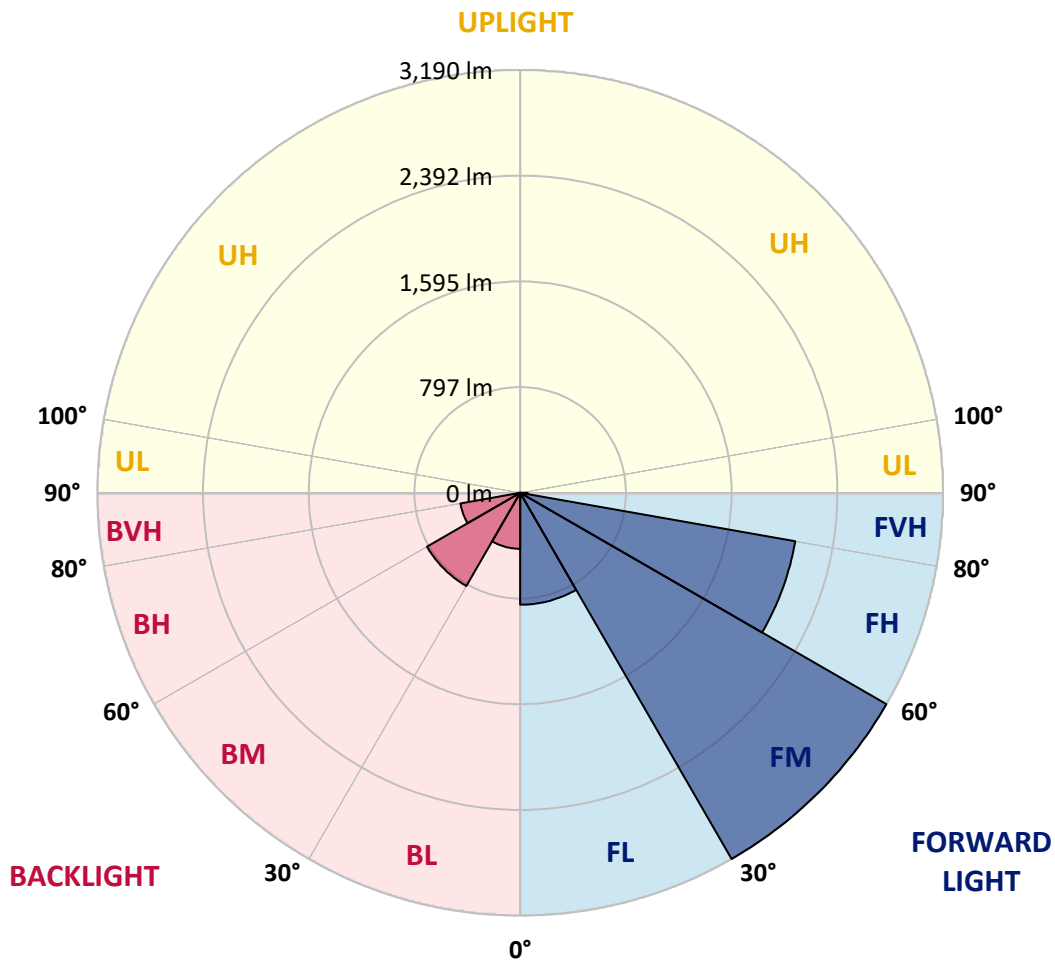
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	844.5	10.7			
FM (30°-60°)	3189.9	40.3			
FH (60°-80°)	2107.6	26.6			G2/5000
FVH (80°-90°)	56.2	0.7			G1/100
BL (0°-30°)	422.5	5.3	B1/500		
BM (30°-60°)	811.8	10.3	B1/1000		
BH (60°-80°)	458.3	5.8	B1/500		G1/500
BVH (80°-90°)	21.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	1437.3	1437.3	1437.3	1437.3	1437.3	1437.3	1437.3	1437.3	1437.3	1437.3	1437.3
2.5°	1533.9	1533.9	1531.5	1529.1	1519.4	1509.7	1495.3	1483.2	1471.1	1466.3	1446.9
5°	1623.3	1623.3	1620.9	1611.2	1599.1	1582.2	1558.1	1526.7	1504.9	1502.5	1468.7
7.5°	1698.2	1695.7	1693.3	1688.5	1676.4	1654.7	1618.5	1577.4	1541.2	1531.5	1490.4
10°	1770.6	1773.0	1768.2	1756.1	1741.6	1715.1	1678.8	1630.5	1587.0	1572.6	1509.7
12.5°	1847.9	1845.5	1838.3	1823.8	1804.5	1782.7	1744.1	1695.7	1637.8	1623.3	1541.2
15°	1913.2	1915.6	1903.5	1893.8	1874.5	1850.3	1816.5	1768.2	1710.2	1693.3	1587.0
17.5°	1971.1	1971.1	1968.7	1963.9	1949.4	1932.5	1898.7	1864.8	1804.5	1777.9	1657.1
20°	2014.6	2017.0	2021.9	2031.5	2033.9	2019.4	2002.5	1978.4	1920.4	1893.8	1744.1
22.5°	2053.3	2058.1	2077.4	2106.4	2130.6	2130.6	2128.1	2125.7	2067.8	2050.8	1872.1
25°	2062.9	2070.2	2113.6	2176.5	2215.1	2246.5	2290.0	2306.9	2263.4	2234.4	2038.8
27.5°	2077.4	2084.7	2133.0	2207.9	2304.5	2374.5	2451.8	2495.3	2463.9	2434.9	2229.6
30°	2065.3	2075.0	2128.1	2234.4	2362.5	2509.8	2606.4	2671.7	2662.0	2645.1	2427.7
32.5°	2033.9	2043.6	2106.4	2236.8	2432.5	2647.5	2756.2	2857.7	2884.2	2869.7	2635.4
35°	1971.1	1980.8	2058.1	2217.5	2466.3	2751.4	2906.0	3055.7	3116.1	3106.5	2862.5
37.5°	1891.4	1891.4	1983.2	2159.5	2478.4	2831.1	3038.8	3253.8	3372.2	3357.7	3092.0
40°	1758.6	1782.7	1896.2	2096.7	2459.1	2889.1	3166.8	3459.1	3606.5	3599.2	3340.8
42.5°	1625.7	1645.0	1753.7	1988.0	2413.2	2922.9	3273.1	3674.1	3865.0	3860.1	3579.9
45°	1507.3	1521.8	1611.2	1838.3	2316.6	2932.5	3374.6	3903.6	4150.0	4140.3	3823.9
47.5°	1355.2	1384.1	1497.7	1698.2	2183.7	2903.5	3468.8	4191.1	4459.2	4449.5	4087.2
50°	1026.6	1046.0	1282.7	1584.6	2012.2	2831.1	3546.1	4473.7	4751.5	4732.2	4326.3
52.5°	932.4	944.5	1019.4	1444.5	1852.8	2700.6	3594.4	4811.9	5048.6	5017.2	4572.7
55°	872.0	881.7	925.2	1157.1	1712.7	2480.8	3608.9	5130.7	5287.7	5256.3	4799.8
57.5°	818.9	823.7	867.2	985.6	1546.0	2203.0	3558.2	5367.5	5497.9	5464.1	4995.5
60°	763.3	770.6	811.6	898.6	1345.5	1947.0	3401.2	5555.9	5671.8	5642.8	5167.0
62.5°	717.4	727.1	753.7	828.5	1200.6	1729.6	3058.1	5599.4	5797.4	5775.7	5326.4
65°	661.9	669.1	702.9	765.7	1050.8	1594.3	2710.3	5471.3	5756.4	5782.9	5415.8
67.5°	596.7	603.9	632.9	681.2	881.7	1451.8	2405.9	5290.2	5630.8	5667.0	5350.5
70°	516.9	521.8	550.8	596.7	731.9	1265.8	2087.1	5024.4	5326.4	5353.0	5092.1
72.5°	430.0	430.0	451.7	504.9	601.5	1048.4	1674.0	4464.0	4954.4	5019.6	4654.9
75°	181.2	190.8	229.5	277.8	384.1	765.7	1145.0	3437.4	4468.9	4524.4	4111.3
77.5°	36.2	38.6	43.5	65.2	101.5	333.4	355.1	1500.1	3101.6	3137.9	3002.6
80°	29.0	29.0	31.4	48.3	67.6	154.6	115.9	490.4	966.2	1244.0	1604.0
82.5°	9.7	12.1	16.9	26.6	33.8	33.8	38.6	246.4	478.3	514.5	647.4
85°	4.8	4.8	7.2	9.7	9.7	9.7	9.7	43.5	82.1	99.0	137.7
87.5°	2.4	0.0	0.0	0.0	0.0	0.0	2.4	4.8	7.2	7.2	9.7
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°	1437.3	1437.3	1437.3	1437.3	1437.3	1437.3	1437.3	1437.3	1437.3	1437.3	1437.3
2.5°	1437.3	1430.0	1413.1	1401.0	1384.1	1369.6	1352.7	1343.1	1338.2	1335.8	1331.0
5°	1449.4	1430.0	1396.2	1360.0	1328.6	1304.4	1270.6	1253.7	1244.0	1239.2	1236.8
7.5°	1463.9	1439.7	1381.7	1326.2	1270.6	1229.5	1188.5	1161.9	1149.8	1147.4	1145.0
10°	1473.5	1434.9	1357.6	1297.2	1224.7	1159.5	1111.2	1079.8	1062.9	1060.4	1058.0
12.5°	1492.8	1442.1	1338.2	1251.3	1176.4	1091.8	1041.1	1004.9	988.0	973.5	973.5
15°	1524.2	1459.0	1328.6	1212.6	1113.6	1031.5	966.2	927.6	915.5	896.2	891.4
17.5°	1577.4	1490.4	1321.3	1174.0	1055.6	973.5	896.2	855.1	847.9	831.0	821.3
20°	1642.6	1536.3	1326.2	1137.7	995.2	901.0	823.7	782.7	758.5	744.0	739.2
22.5°	1746.5	1604.0	1343.1	1111.2	942.1	835.8	753.7	688.4	635.3	616.0	616.0
25°	1893.8	1719.9	1372.1	1089.4	888.9	773.0	671.5	560.4	490.4	463.8	456.5
27.5°	2060.5	1867.3	1439.7	1070.1	845.5	702.9	553.2	430.0	355.1	330.9	330.9
30°	2251.3	2021.9	1521.8	1058.0	792.3	596.7	417.9	314.0	253.6	227.1	224.7
32.5°	2439.8	2181.3	1618.5	1048.4	736.8	466.2	301.9	229.5	178.8	159.4	161.8
35°	2628.2	2338.3	1700.6	1048.4	645.0	335.8	215.0	159.4	128.0	118.4	118.4
37.5°	2840.7	2514.6	1765.8	1033.9	507.3	239.1	147.4	115.9	106.3	101.5	101.5
40°	3060.6	2678.9	1809.3	1002.5	362.3	164.3	103.9	101.5	96.6	89.4	87.0
42.5°	3265.9	2867.3	1835.9	942.1	236.7	108.7	91.8	94.2	91.8	79.7	77.3
45°	3483.3	3019.5	1850.3	821.3	157.0	89.4	82.1	87.0	89.4	79.7	77.3
47.5°	3700.7	3186.2	1860.0	640.1	103.9	87.0	77.3	84.5	87.0	77.3	74.9
50°	3930.2	3338.4	1845.5	410.7	91.8	82.1	74.9	77.3	82.1	77.3	74.9
52.5°	4130.7	3476.0	1777.9	229.5	89.4	79.7	70.1	72.5	79.7	74.9	74.9
55°	4336.0	3611.3	1652.3	135.3	87.0	74.9	70.1	72.5	74.9	70.1	72.5
57.5°	4522.0	3741.8	1463.9	111.1	87.0	72.5	72.5	67.6	67.6	62.8	62.8
60°	4664.5	3860.1	1239.2	103.9	82.1	74.9	67.6	62.8	58.0	53.1	53.1
62.5°	4778.1	3961.6	920.3	96.6	79.7	72.5	62.8	55.6	48.3	43.5	43.5
65°	4840.9	3983.3	649.8	87.0	74.9	70.1	58.0	48.3	38.6	36.2	36.2
67.5°	4768.4	3869.8	396.2	82.1	70.1	67.6	55.6	43.5	33.8	31.4	31.4
70°	4490.6	3565.4	222.2	74.9	62.8	60.4	50.7	38.6	31.4	26.6	26.6
72.5°	4031.6	3118.5	111.1	62.8	53.1	53.1	45.9	33.8	29.0	24.2	24.2
75°	3406.0	2558.1	79.7	45.9	43.5	43.5	38.6	31.4	26.6	21.7	21.7
77.5°	2495.3	1686.1	65.2	38.6	31.4	31.4	33.8	29.0	24.2	19.3	19.3
80°	1292.3	835.8	55.6	29.0	26.6	24.2	24.2	24.2	19.3	16.9	16.9
82.5°	572.5	321.3	36.2	21.7	21.7	19.3	19.3	19.3	16.9	14.5	14.5
85°	111.1	60.4	19.3	16.9	14.5	14.5	14.5	12.1	12.1	12.1	12.1
87.5°	9.7	9.7	9.7	9.7	9.7	7.2	7.2	7.2	7.2	7.2	7.2
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)