

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: P233523

Luminaire Tested: **VERD-C01H-D-U-T3-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233523  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-14)  
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-T3-7030  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 3000K, 1210mA LED AND TYPE III OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8645 lumens  
Efficiency: N/A  
Efficacy: 118.4 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type III - Medium - Semi-Cutoff  
BUG Rating: B2 - 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

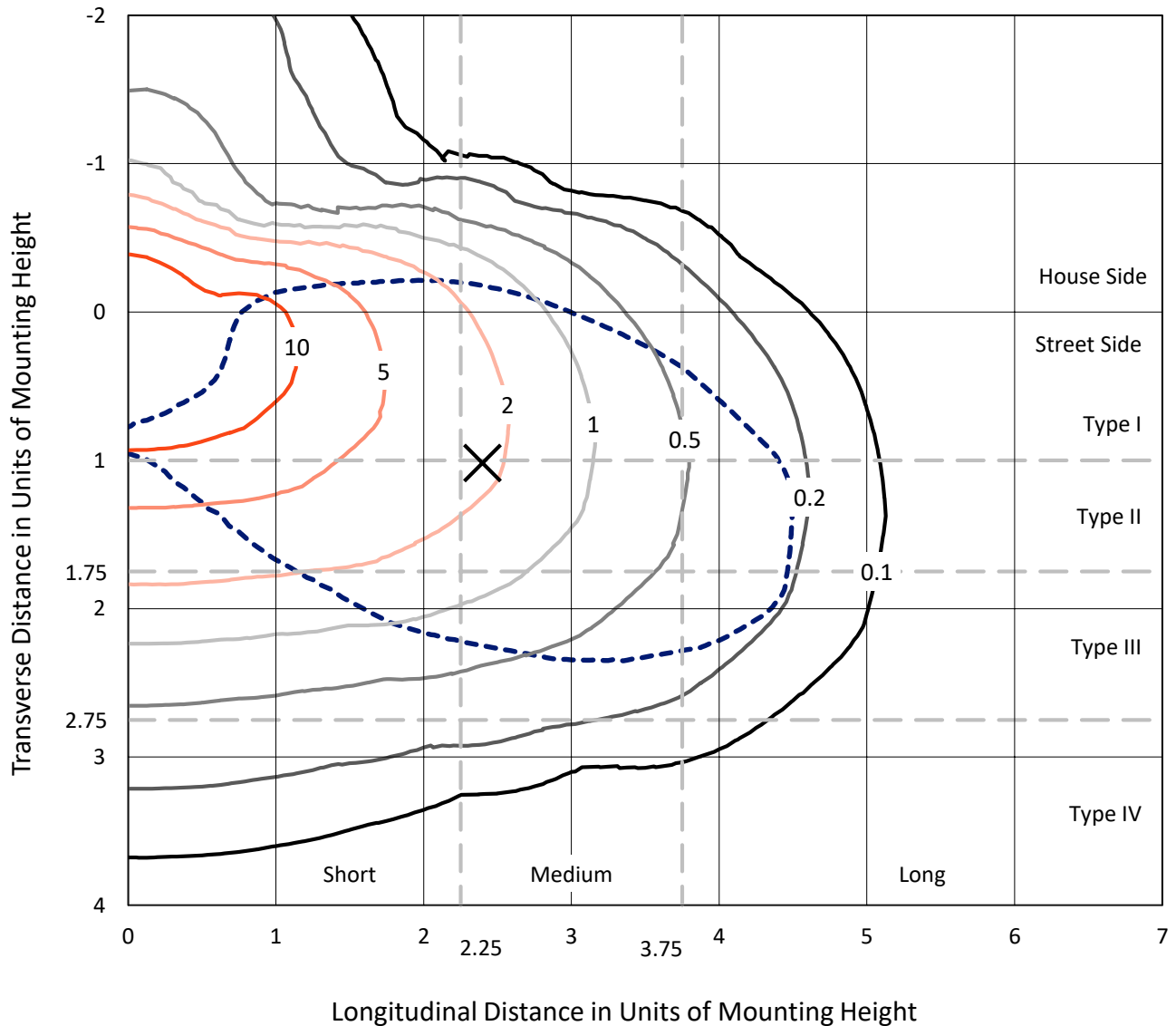


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

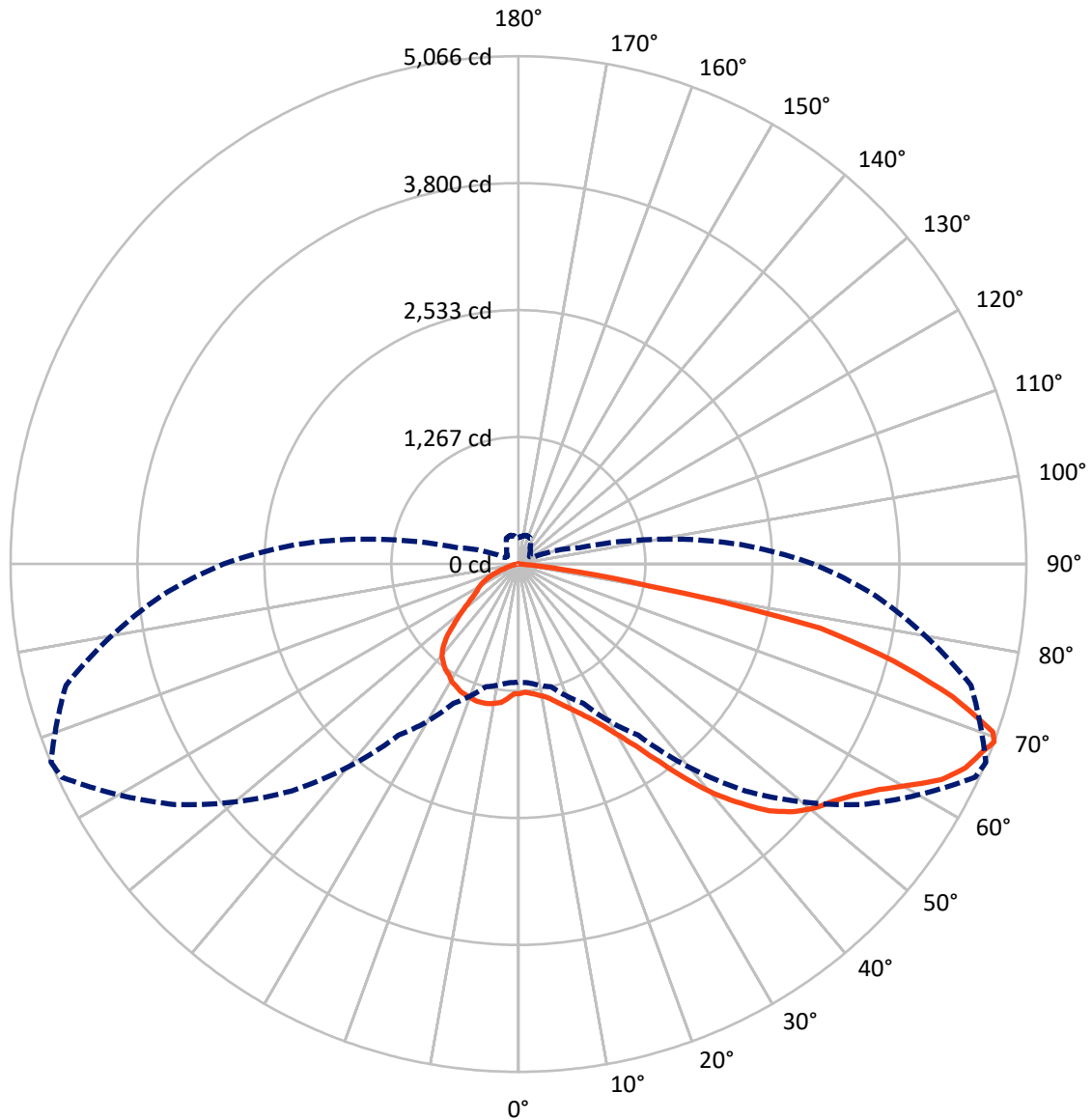


Based on 10 foot mounting height. Maximum calculated value = 15.1 fc  
 Type III - Medium - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1946.8	0.0	1946.8
	% Fixture	22.5	0.0	22.5
<b>Street Side</b>	Lumens	6698.2	0.0	6698.2
	% Fixture	77.5	0.0	77.5
<b>Total</b>	Lumens	8645.0	0.0	8645.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.0	1.5
10°-20°	417.4	4.8
20°-30°	719.1	8.3
30°-40°	1069.5	12.4
40°-50°	1473.0	17.0
50°-60°	1760.9	20.4
60°-70°	1858.2	21.5
70°-80°	1113.5	12.9
80°-90°	102.4	1.2
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°	8645.0	100.0
0°-180°	8645.0	100.0



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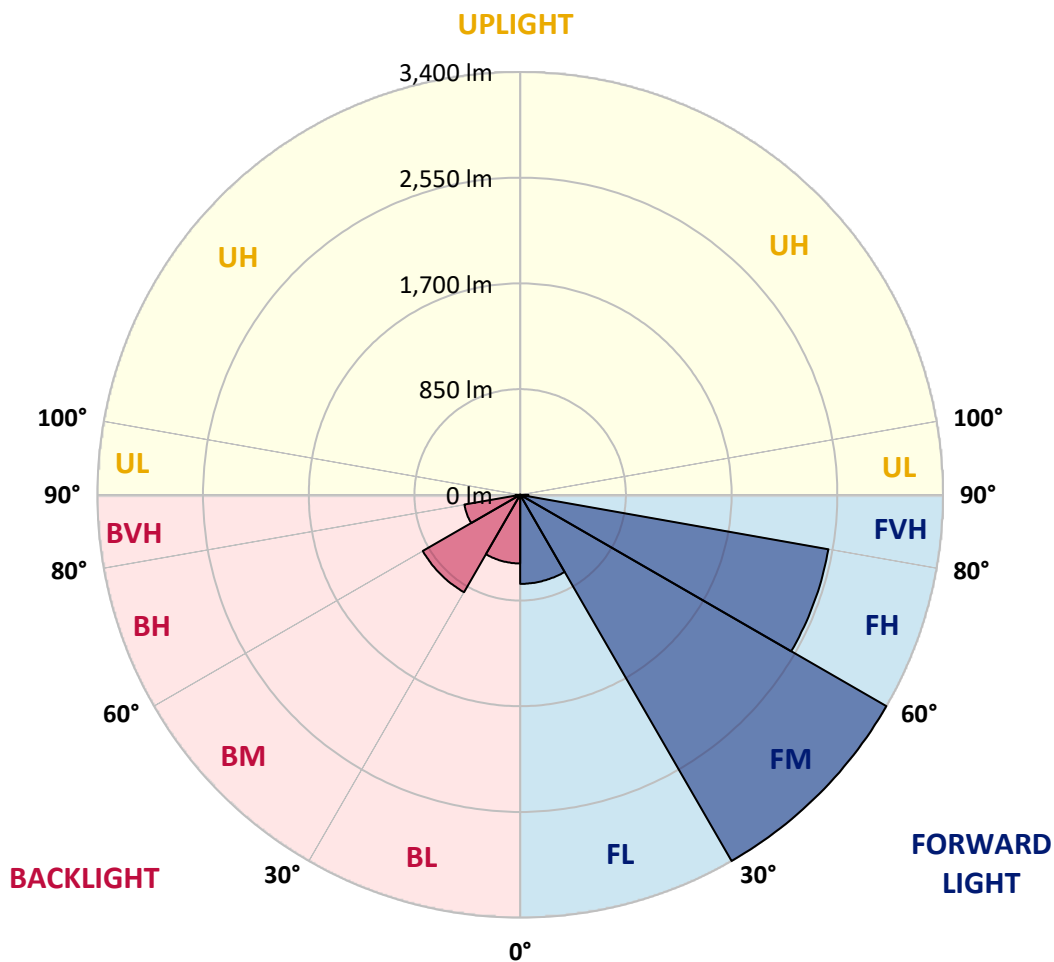
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	715.8	8.3			
FM (30°-60°)	3399.6	39.3			
FH (60°-80°)	2516.6	29.1			G2/5000
FVH (80°-90°)	66.2	0.8			G1/100
BL (0°-30°)	551.6	6.4	B2/1000		
BM (30°-60°)	903.8	10.5	B1/1000		
BH (60°-80°)	455.2	5.3	B1/500		G1/500
BVH (80°-90°)	36.2	0.4			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1293.1	1293.1	1293.1	1293.1	1293.1	1293.1	1293.1	1293.1	1293.1	1293.1	1293.1
2.5°	1314.3	1313.6	1309.6	1295.5	1293.9	1292.3	1282.9	1283.7	1281.3	1283.7	1284.5
5°	1350.5	1347.4	1343.4	1328.5	1323.0	1315.9	1301.8	1301.0	1295.5	1297.0	1298.6
7.5°	1395.3	1392.2	1389.0	1371.7	1366.2	1353.6	1331.6	1320.6	1315.9	1317.5	1319.8
10°	1455.8	1450.3	1445.6	1420.5	1411.8	1390.6	1363.9	1345.0	1338.7	1341.1	1347.4
12.5°	1525.0	1517.9	1510.1	1484.1	1472.3	1439.3	1407.9	1383.5	1374.1	1379.6	1384.3
15°	1596.5	1592.6	1589.5	1558.8	1542.3	1506.1	1466.8	1436.2	1427.5	1432.3	1434.6
17.5°	1690.9	1688.5	1683.0	1651.6	1620.1	1578.5	1527.4	1495.1	1486.5	1488.8	1483.3
20°	1793.9	1787.6	1784.4	1749.0	1716.0	1658.6	1599.7	1554.1	1551.7	1552.5	1535.2
22.5°	1909.4	1902.3	1896.0	1863.8	1822.9	1756.1	1679.1	1628.0	1629.6	1631.1	1592.6
25°	2027.3	2021.8	2016.3	1985.7	1944.8	1871.7	1778.9	1721.5	1720.7	1721.5	1668.1
27.5°	2150.7	2144.4	2143.7	2118.5	2077.6	2003.0	1896.0	1837.9	1837.9	1834.7	1753.8
30°	2260.8	2267.1	2267.1	2252.9	2214.4	2139.7	2039.1	1980.9	1988.8	1982.5	1879.5
32.5°	2381.1	2379.5	2390.5	2379.5	2348.0	2278.9	2194.8	2157.8	2171.2	2191.6	2088.6
35°	2451.0	2462.0	2489.5	2505.3	2490.3	2433.7	2372.4	2400.7	2418.8	2510.8	2387.3
37.5°	2532.0	2541.4	2579.2	2617.7	2624.0	2593.3	2593.3	2686.1	2721.4	2841.7	2697.9
40°	2587.8	2597.2	2638.1	2682.9	2744.2	2765.5	2820.5	2964.3	3014.6	3095.6	2929.0
42.5°	2554.8	2559.5	2647.5	2756.8	2847.2	2949.4	3036.7	3219.0	3267.0	3323.6	3119.2
45°	2496.6	2505.3	2602.7	2778.8	2934.5	3137.3	3247.3	3458.8	3513.8	3508.3	3265.4
47.5°	2432.2	2445.5	2554.0	2750.5	3009.1	3300.0	3439.9	3660.0	3691.5	3652.2	3366.8
50°	2360.6	2383.4	2499.0	2722.2	3063.4	3442.3	3583.0	3811.0	3827.5	3747.3	3455.6
52.5°	2278.9	2293.8	2421.9	2668.0	3101.1	3536.6	3697.0	3923.4	3930.4	3865.2	3549.2
55°	2165.7	2179.0	2321.3	2595.7	3106.6	3592.4	3770.1	4043.6	4067.2	4003.5	3634.1
57.5°	2043.8	2060.3	2206.5	2491.1	3056.3	3615.2	3858.1	4198.5	4244.1	4152.9	3702.5
60°	1902.3	1923.6	2071.3	2363.8	2957.3	3650.6	4022.4	4424.1	4480.7	4321.9	3767.7
62.5°	1755.3	1767.1	1903.1	2187.7	2803.2	3668.7	4171.8	4681.9	4736.2	4481.5	3798.4
65°	1548.6	1567.5	1688.5	1976.2	2586.2	3590.8	4241.7	4862.0	4901.3	4611.2	3768.5
67.5°	1329.3	1329.3	1432.3	1723.1	2296.9	3384.9	4213.4	4948.4	4995.6	4702.4	3674.2
69°	1177.6	1189.4	1268.0	1532.9	2084.7	3201.7	4182.8	5027.8	5066.3	4673.3	3565.7
70°	1061.2	1071.4	1150.8	1394.5	1926.7	3057.1	4116.7	4992.4	5020.7	4583.7	3451.7
72.5°	780.6	789.2	844.3	971.6	1448.8	2466.7	3711.9	4513.7	4531.0	4122.2	3045.3
75°	532.2	536.9	578.6	656.4	845.0	1724.7	3032.7	3812.5	3863.6	3575.1	2493.5
77.5°	183.9	198.1	223.2	301.9	361.6	677.6	2055.6	3004.4	3080.7	2768.6	1744.3
80°	62.9	62.1	119.5	154.9	190.2	311.3	650.1	1259.3	1330.8	1141.4	628.1
82.5°	47.2	48.7	79.4	85.7	58.2	114.8	253.1	385.2	422.1	368.7	260.2
85°	29.9	29.1	35.4	36.9	26.7	48.7	61.3	62.1	64.5	55.8	56.6
87.5°	16.5	16.5	15.7	13.4	7.1	6.3	5.5	5.5	4.7	4.7	4.7
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°	1293.1	1293.1	1293.1	1293.1	1293.1	1293.1	1293.1	1293.1	1293.1	1293.1	1293.1
2.5°	1280.5	1291.5	1293.9	1297.0	1304.9	1315.1	1329.3	1329.3	1334.8	1351.3	1356.8
5°	1298.6	1312.0	1329.3	1347.4	1368.6	1391.4	1414.2	1422.0	1433.0	1455.0	1459.8
7.5°	1326.1	1341.1	1370.9	1395.3	1413.4	1436.2	1455.0	1458.2	1472.3	1492.8	1496.7
10°	1354.4	1367.8	1397.7	1410.2	1434.6	1459.8	1469.2	1473.9	1485.7	1501.4	1499.1
12.5°	1392.9	1396.9	1418.1	1426.7	1438.5	1454.3	1459.0	1459.0	1466.1	1491.2	1492.0
15°	1430.7	1430.7	1433.8	1429.1	1430.7	1438.5	1439.3	1429.1	1437.0	1449.5	1444.8
17.5°	1470.8	1459.8	1445.6	1425.2	1407.1	1406.3	1389.8	1365.4	1358.4	1376.4	1375.7
20°	1508.5	1489.6	1455.8	1409.5	1384.3	1350.5	1308.8	1294.7	1293.9	1297.0	1294.7
22.5°	1558.0	1519.5	1458.2	1394.5	1325.3	1271.9	1237.3	1189.4	1187.8	1180.7	1169.7
25°	1617.0	1562.0	1468.4	1378.0	1277.4	1208.2	1124.9	1073.8	1044.7	1051.0	1032.1
27.5°	1693.2	1626.4	1472.3	1341.9	1211.4	1094.2	993.6	927.6	902.4	891.4	878.8
30°	1797.8	1694.8	1500.6	1311.2	1129.6	974.7	851.3	755.4	719.3	728.7	730.3
32.5°	1965.2	1824.5	1515.6	1250.7	1035.3	844.3	683.9	580.1	558.9	585.6	592.7
35°	2256.9	2025.7	1551.0	1214.5	927.6	691.8	508.6	466.1	470.9	493.7	495.2
37.5°	2543.8	2280.4	1660.2	1135.9	798.7	512.5	394.6	371.8	394.6	423.7	427.6
40°	2745.0	2479.3	1756.9	1058.1	617.9	371.0	301.1	273.6	306.6	353.0	361.6
42.5°	2923.5	2637.3	1825.3	950.4	422.9	264.9	216.2	223.2	272.0	305.8	313.6
45°	3051.6	2745.8	1872.5	810.5	269.6	200.5	193.4	216.2	262.6	289.3	291.6
47.5°	3132.6	2809.5	1837.9	638.3	202.8	189.4	190.2	219.3	265.7	295.6	294.8
50°	3205.7	2843.3	1725.5	506.2	192.6	181.6	194.2	228.0	275.9	303.4	301.9
52.5°	3283.5	2876.3	1588.7	397.0	184.7	177.7	198.9	233.5	275.9	293.2	290.9
55°	3350.3	2905.4	1485.7	319.2	179.2	176.9	203.6	242.1	274.3	281.4	276.7
57.5°	3384.9	2855.9	1374.1	268.1	173.7	176.9	206.7	240.5	283.8	306.6	301.9
60°	3366.0	2809.5	1283.7	249.2	165.9	176.1	208.3	257.8	348.2	369.5	367.9
62.5°	3331.4	2758.4	1157.1	224.0	157.2	177.7	207.5	273.6	400.9	393.8	374.2
65°	3260.7	2656.2	984.2	194.9	148.6	180.8	207.5	308.1	349.8	341.9	333.3
67.5°	3109.8	2435.3	787.7	167.4	139.1	171.4	204.4	293.2	301.1	280.6	270.4
69°	2940.8	2224.6	623.4	152.5	133.6	166.7	203.6	283.0	296.4	274.3	262.6
70°	2808.7	2060.3	503.9	141.5	128.1	165.1	202.8	275.9	294.0	269.6	257.1
72.5°	2339.4	1664.9	264.1	114.0	109.3	150.1	195.7	269.6	294.8	258.6	240.5
75°	1837.9	1184.6	175.3	87.3	84.1	131.3	179.2	259.4	277.5	232.7	205.2
77.5°	1133.5	518.8	121.1	60.5	61.3	102.2	154.1	231.9	279.8	235.0	199.7
80°	329.4	200.5	77.0	40.9	37.7	60.5	121.1	199.7	265.7	241.3	217.7
82.5°	190.2	130.5	51.9	25.9	22.8	27.5	76.3	154.9	234.3	220.9	225.6
85°	43.2	36.2	18.9	12.6	12.6	15.7	25.9	89.6	161.9	189.4	213.8
87.5°	4.7	4.7	4.7	4.7	4.7	3.9	4.7	24.4	70.7	100.6	117.1
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)