

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: P233718

Luminaire Tested: **VERD-C01H-D-U-T3-8027-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233718  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-33)  
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-T3-8027-HSS  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(1) 80 CRI, 2700K, 1210mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7226 lumens  
Efficiency: N/A  
Efficacy: 99.0 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type III - Medium - Semi-Cutoff  
BUG Rating: B1 - U0 - G2

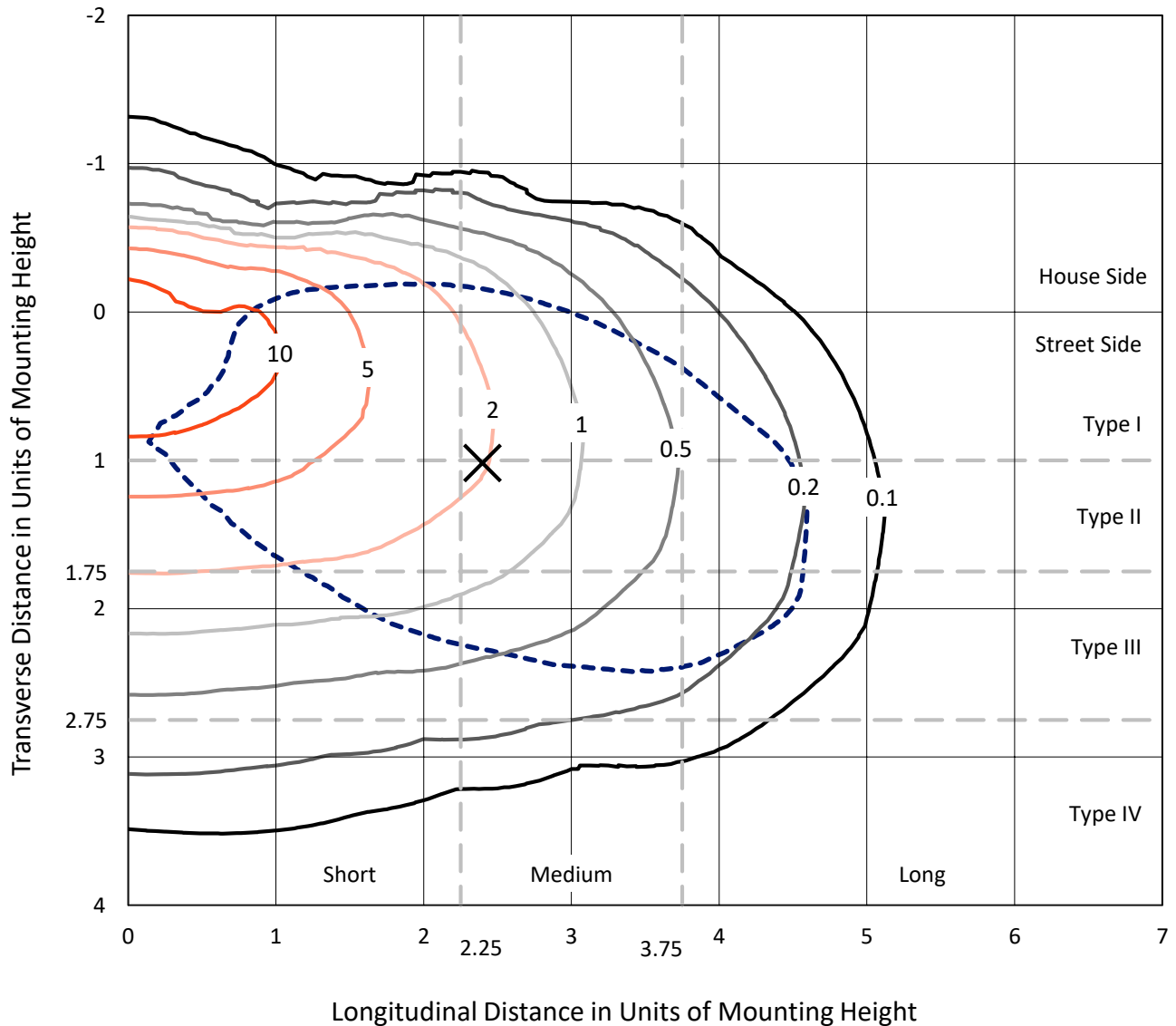
Input Watts (W): 73  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P233718  
 CATALOG NUMBER: VERD-C01H-D-U-T3-8027-HSS

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

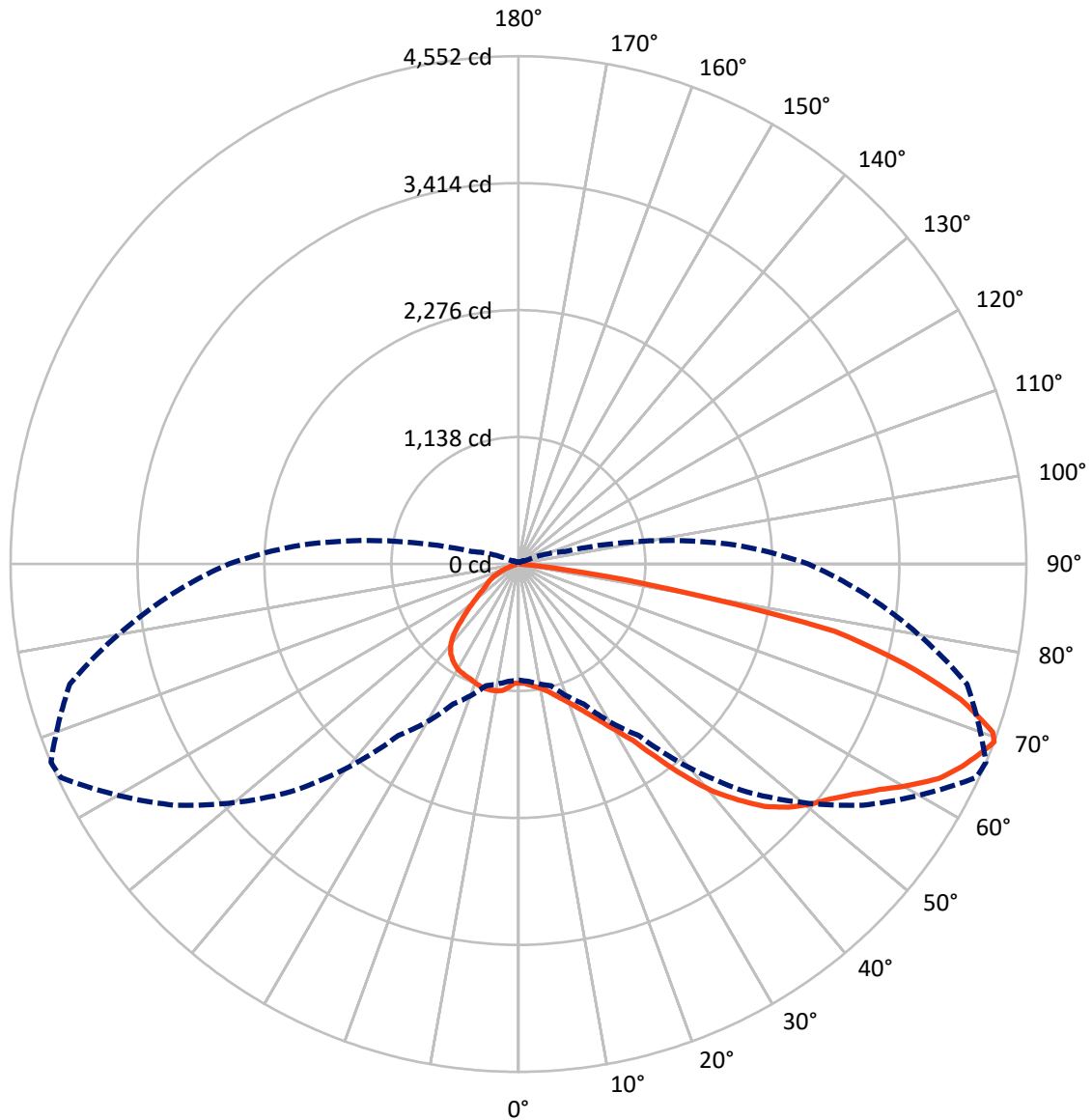


Based on 10 foot mounting height. Maximum calculated value = 13.1 fc  
 Type III - Medium - Semi-Cutoff

REPORT NUMBER: P233718

CATALOG NUMBER: VERD-C01H-D-U-T3-8027-HSS

### Luminous Intensity Polar Plot



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



REPORT NUMBER: P233718

CATALOG NUMBER: VERD-C01H-D-U-T3-8027-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1302.6	0.0	1302.6
	% Fixture	18.0	0.0	18.0
<b>Street Side</b>	Lumens	5923.4	0.0	5923.4
	% Fixture	82.0	0.0	82.0
<b>Total</b>	Lumens	7226.0	0.0	7226.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.9	1.5
10°-20°	339.2	4.7
20°-30°	579.0	8.0
30°-40°	875.5	12.1
40°-50°	1236.8	17.1
50°-60°	1494.7	20.7
60°-70°	1577.2	21.8
70°-80°	949.4	13.1
80°-90°	66.4	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°	7226.0	100.0
0°-180°	7226.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P233718

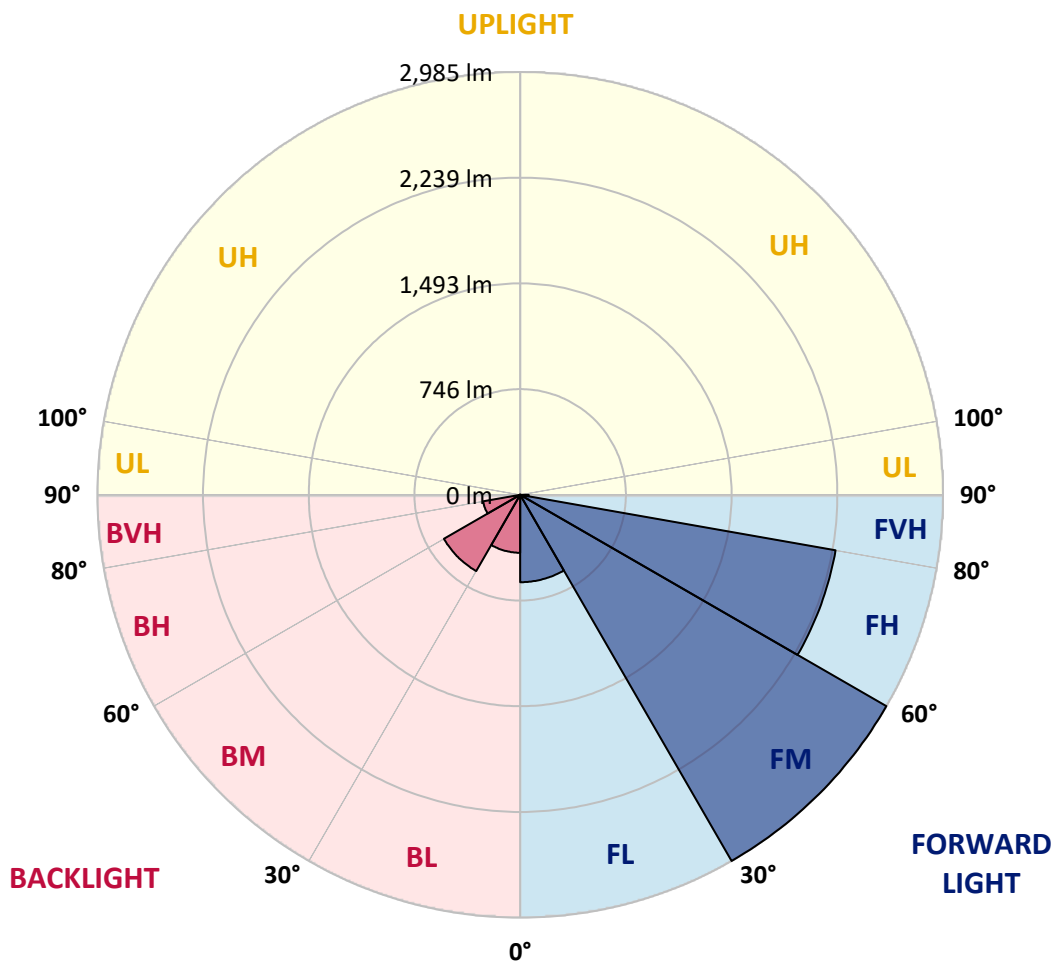
CATALOG NUMBER: VERD-C01H-D-U-T3-8027-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	617.0	8.5			
FM (30°-60°)	2985.4	41.3			
FH (60°-80°)	2261.0	31.3			G2/5000
FVH (80°-90°)	59.9	0.8			G1/100
BL (0°-30°)	409.1	5.7	B1/500		
BM (30°-60°)	621.5	8.6	B1/1000		
BH (60°-80°)	265.6	3.7	B1/500		G1/500
BVH (80°-90°)	6.4	0.1			G0/10
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





REPORT NUMBER: P233718

CATALOG NUMBER: VERD-C01H-D-U-T3-8027-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6
2.5°	1096.3	1094.5	1094.5	1084.7	1075.5	1073.2	1072.6	1069.8	1070.3	1066.3	1062.3
5°	1127.9	1127.9	1126.8	1114.1	1104.3	1098.0	1094.0	1088.8	1089.3	1086.5	1083.0
7.5°	1175.7	1176.3	1174.0	1157.3	1147.5	1132.0	1122.7	1113.0	1112.4	1108.9	1110.1
10°	1234.4	1236.2	1232.7	1211.4	1194.7	1173.4	1153.8	1136.6	1135.4	1131.4	1134.8
12.5°	1300.6	1303.0	1294.3	1272.4	1253.4	1220.0	1196.4	1173.4	1170.0	1169.4	1171.7
15°	1376.6	1377.8	1374.9	1342.7	1319.6	1289.1	1250.6	1221.2	1217.7	1218.3	1215.4
17.5°	1461.3	1464.2	1457.8	1429.0	1398.5	1356.5	1310.4	1274.2	1272.4	1270.7	1258.0
20°	1551.1	1554.0	1550.0	1522.9	1486.6	1433.7	1377.2	1335.8	1335.2	1331.2	1301.8
22.5°	1652.4	1656.5	1654.2	1621.3	1582.8	1525.2	1455.0	1411.8	1410.6	1398.0	1353.6
25°	1762.4	1761.3	1763.6	1728.4	1692.2	1631.7	1544.8	1499.9	1499.9	1484.3	1418.7
27.5°	1868.9	1868.4	1872.4	1847.6	1809.6	1752.6	1647.8	1602.3	1606.4	1583.9	1497.0
30°	1972.6	1972.6	1982.4	1966.2	1938.0	1878.1	1775.7	1727.9	1733.0	1709.4	1596.0
32.5°	2069.3	2073.9	2090.6	2080.8	2059.5	2005.4	1917.9	1874.1	1886.2	1896.0	1780.3
35°	2140.7	2145.3	2183.9	2187.3	2182.1	2145.9	2080.8	2109.0	2123.4	2200.6	2071.6
37.5°	2203.4	2209.2	2255.3	2284.1	2300.7	2278.3	2282.3	2376.8	2403.8	2494.8	2320.3
40°	2249.5	2262.2	2307.7	2347.4	2406.1	2432.6	2498.2	2632.4	2676.1	2712.4	2491.3
42.5°	2217.8	2226.5	2306.5	2413.0	2498.8	2592.1	2698.6	2858.1	2890.9	2879.4	2642.2
45°	2171.2	2181.6	2265.6	2430.3	2572.5	2758.5	2888.6	3061.3	3098.8	3034.8	2772.3
47.5°	2118.8	2133.2	2224.2	2407.3	2634.1	2911.6	3060.8	3235.8	3257.7	3173.6	2881.7
50°	2065.8	2082.0	2185.0	2388.3	2681.9	3039.5	3186.3	3378.0	3384.3	3288.8	2980.2
52.5°	1994.4	2011.1	2124.0	2348.5	2715.3	3123.5	3296.2	3494.9	3498.9	3413.1	3073.4
55°	1904.0	1925.4	2044.5	2289.8	2723.4	3172.5	3365.9	3616.4	3643.4	3547.9	3150.0
57.5°	1797.5	1817.1	1948.4	2205.2	2683.1	3189.2	3463.2	3777.0	3814.4	3684.3	3213.3
60°	1674.9	1697.3	1829.2	2095.8	2601.9	3235.8	3624.4	4003.9	4026.3	3827.1	3269.2
62.5°	1549.4	1565.5	1685.3	1942.0	2475.2	3264.0	3767.2	4216.9	4231.9	3964.7	3302.6
65°	1370.9	1391.0	1507.9	1765.9	2292.7	3209.9	3821.9	4362.6	4371.8	4079.9	3286.5
67.5°	1176.9	1193.0	1278.2	1553.4	2053.2	3038.3	3799.5	4459.9	4489.2	4169.7	3213.3
69°	1039.3	1055.4	1129.1	1383.6	1875.3	2886.3	3767.8	4526.1	4552.0	4163.3	3120.1
70°	932.2	948.3	1017.9	1256.9	1735.9	2757.9	3717.7	4492.7	4509.4	4092.5	3029.1
72.5°	666.7	682.9	739.9	883.8	1315.0	2266.8	3407.4	4121.9	4144.3	3752.2	2707.2
75°	348.9	387.5	490.0	571.2	779.0	1596.0	2832.8	3545.0	3577.8	3292.8	2226.5
77.5°	44.9	47.2	138.2	232.0	321.9	673.1	2012.3	2846.6	2898.4	2635.3	1539.6
80°	36.3	36.8	47.8	115.7	160.1	272.9	713.9	1332.3	1395.1	1171.1	566.0
82.5°	25.3	26.5	37.4	61.0	52.4	99.6	248.2	376.5	388.1	335.7	225.7
85°	14.4	14.4	17.8	23.6	16.7	37.4	51.2	54.7	48.9	48.4	36.3
87.5°	4.0	4.6	5.2	4.0	1.7	1.7	2.3	2.3	2.3	1.7	1.7
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: P233718

CATALOG NUMBER: VERD-C01H-D-U-T3-8027-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6
2.5°	1068.6	1067.5	1068.0	1070.3	1073.8	1086.5	1095.1	1096.3	1100.3	1115.3	1113.5
5°	1087.0	1094.0	1098.0	1110.1	1118.1	1135.4	1145.8	1146.9	1152.7	1168.2	1168.8
7.5°	1113.0	1124.5	1130.2	1144.0	1146.9	1155.0	1157.9	1155.0	1155.6	1169.4	1170.5
10°	1135.4	1149.8	1149.8	1153.3	1148.1	1148.6	1139.4	1130.8	1126.2	1138.3	1141.2
12.5°	1170.0	1174.0	1164.8	1154.4	1138.9	1125.0	1109.5	1095.7	1084.7	1091.6	1087.6
15°	1205.6	1199.3	1176.9	1149.8	1122.2	1098.6	1066.3	1046.2	1027.2	1031.2	1027.7
17.5°	1241.3	1220.6	1185.5	1140.6	1100.3	1055.4	1010.5	978.8	944.3	941.4	936.2
20°	1275.9	1246.0	1187.8	1121.6	1065.2	1001.8	932.2	878.0	826.8	813.6	804.9
22.5°	1317.3	1274.2	1190.7	1103.2	1027.2	940.8	835.4	751.4	696.1	677.7	669.0
25°	1370.3	1313.3	1198.7	1089.3	988.6	865.4	720.9	624.7	564.8	533.2	530.3
27.5°	1433.1	1360.5	1212.6	1071.5	933.9	764.6	602.2	502.1	438.2	405.9	395.5
30°	1515.4	1419.3	1225.2	1057.7	856.7	654.6	477.9	366.2	290.2	269.5	258.5
32.5°	1671.4	1514.8	1241.3	1025.4	765.8	534.3	338.5	225.7	173.9	160.1	160.1
35°	1925.4	1725.0	1281.6	981.1	656.4	389.2	203.2	126.7	103.6	95.6	91.5
37.5°	2154.5	1936.9	1382.4	912.6	523.4	230.3	116.3	78.3	70.8	72.0	72.0
40°	2316.3	2082.0	1493.5	819.9	355.2	123.2	73.7	62.8	63.9	64.5	64.5
42.5°	2455.1	2205.7	1554.6	709.9	193.5	80.0	63.3	57.0	58.7	58.2	57.6
45°	2571.4	2306.5	1574.7	558.5	93.8	70.8	57.6	52.4	52.4	51.8	51.8
47.5°	2671.0	2395.8	1537.3	415.1	76.0	65.1	54.7	48.4	47.8	50.7	50.7
50°	2761.9	2464.8	1444.0	314.4	73.7	59.9	51.8	44.9	45.5	49.5	49.5
52.5°	2837.9	2505.7	1305.8	235.5	68.5	55.3	47.8	42.0	42.0	46.1	46.1
55°	2894.4	2505.7	1200.5	176.2	65.6	50.7	44.3	40.3	38.0	39.2	39.7
57.5°	2922.6	2458.5	1115.8	142.8	62.2	46.1	40.9	35.1	31.1	32.2	31.7
60°	2915.1	2431.4	1018.5	127.2	58.2	42.6	36.3	29.9	25.9	24.8	24.8
62.5°	2901.3	2400.9	897.0	110.5	54.1	39.7	29.9	24.2	21.9	20.7	21.3
65°	2848.9	2301.9	743.3	92.1	50.1	38.6	25.3	21.3	19.0	17.8	17.8
67.5°	2722.2	2123.4	561.9	77.7	46.6	31.1	21.9	18.4	16.1	15.0	15.0
69°	2596.7	1953.0	431.2	70.8	44.3	28.2	20.2	16.7	15.0	13.2	13.2
70°	2488.4	1821.1	338.0	66.2	42.6	27.1	19.6	16.1	14.4	12.7	12.7
72.5°	2118.8	1444.6	171.6	57.6	35.7	23.6	17.3	14.4	12.1	10.4	10.4
75°	1643.8	995.5	113.4	45.5	27.6	21.3	15.5	12.7	10.4	8.6	8.1
77.5°	989.2	389.2	81.2	29.4	17.8	16.7	12.7	10.4	8.6	6.9	6.9
80°	272.9	167.0	54.7	19.6	10.4	10.9	9.2	7.5	6.3	5.2	5.2
82.5°	164.1	108.2	36.3	12.7	6.9	6.9	5.2	5.2	4.0	4.0	4.0
85°	28.2	21.9	8.6	5.2	4.0	4.0	2.9	1.7	1.7	1.7	1.7
87.5°	1.7	1.7	1.7	2.3	2.3	1.7	1.2	0.6	0.0	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)