

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: P233575

Luminaire Tested: **VERD-C01H-D-U-T4-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233575  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-15)  
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-T4-7030  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 3000K, 1210mA LED AND TYPE IV OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8531 lumens  
Efficiency: N/A  
Efficacy: 116.9 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G3

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

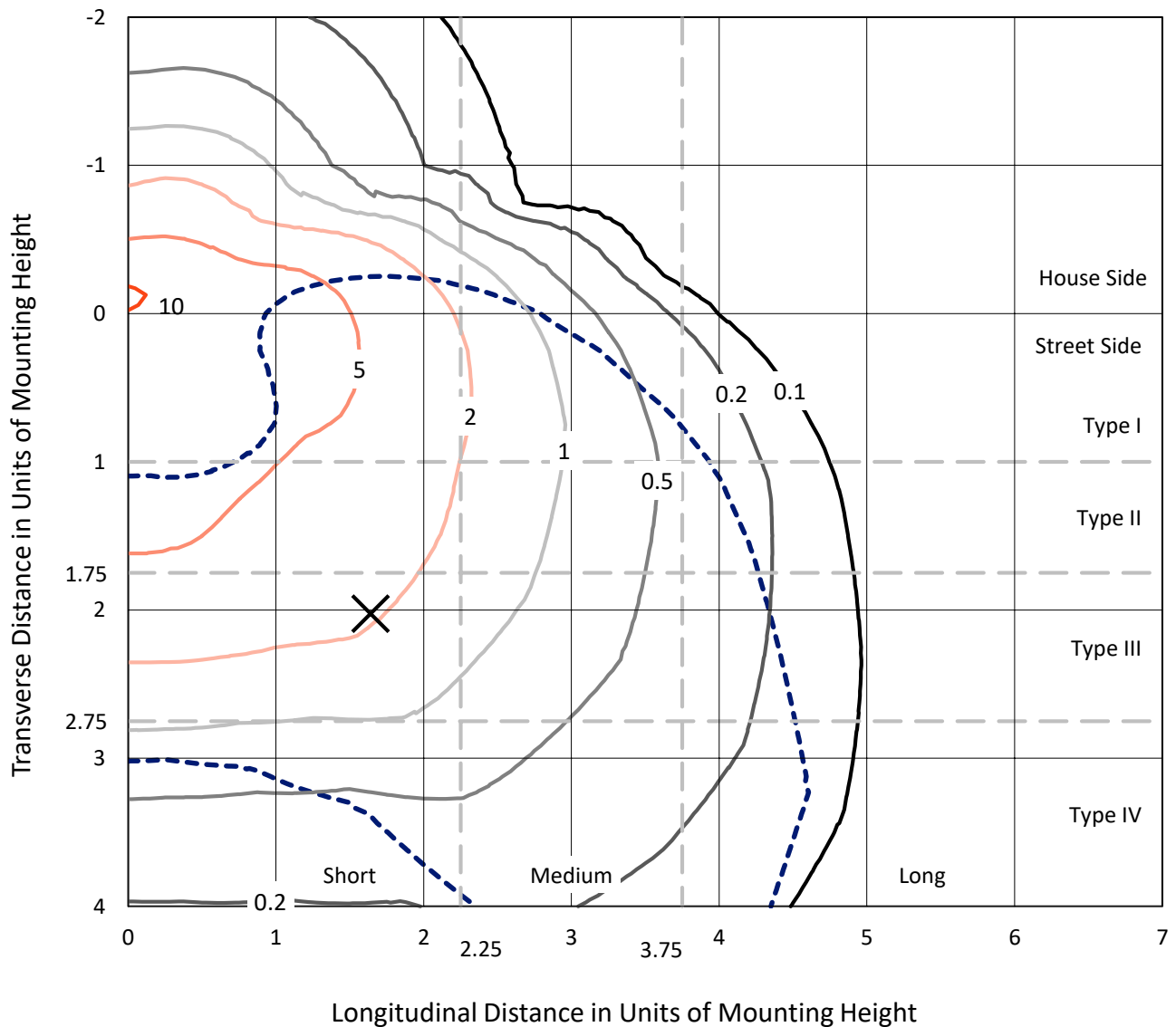


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

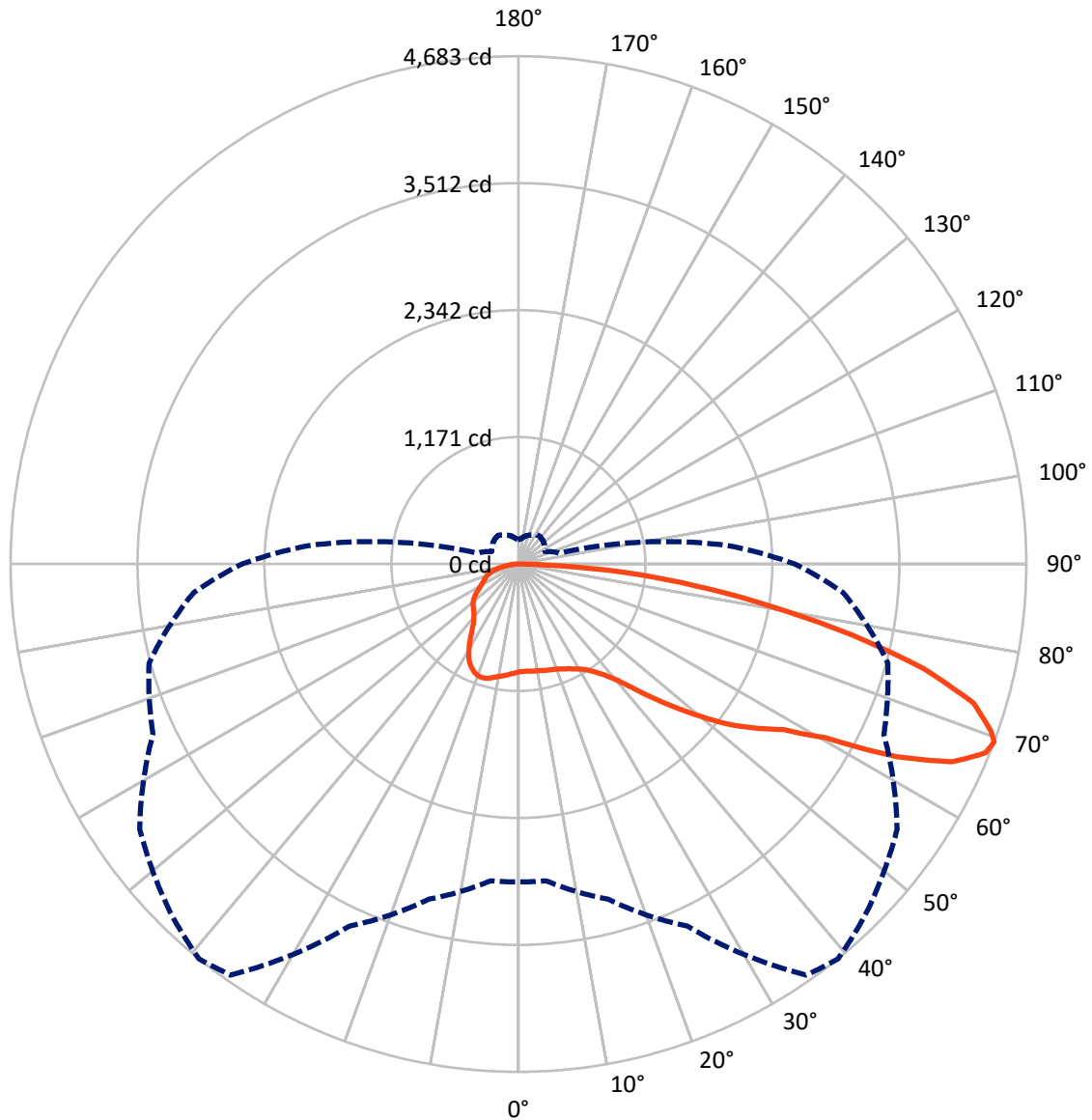


Based on 10 foot mounting height. Maximum calculated value = 10.3 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1999.8	0.0	1999.8
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	6531.2	0.0	6531.2
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	8531.0	0.0	8531.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.6	1.1
10°-20°	298.5	3.5
20°-30°	502.4	5.9
30°-40°	727.9	8.5
40°-50°	1176.6	13.8
50°-60°	1722.6	20.2
60°-70°	2156.0	25.3
70°-80°	1541.3	18.1
80°-90°	309.0	3.6
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°	8531.0	100.0
0°-180°	8531.0	100.0



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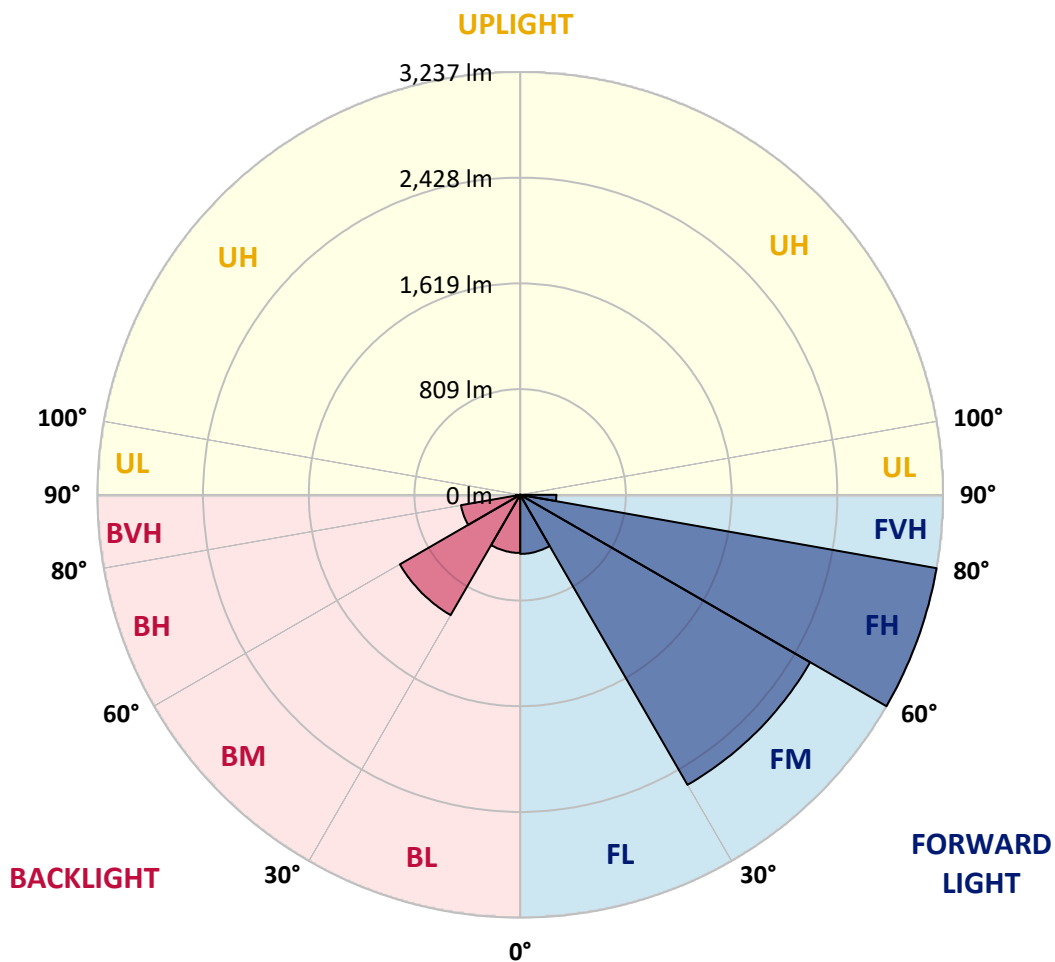
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	452.6	5.3			
FM	(30°-60°)	2563.7	30.1			
FH	(60°-80°)	3237.5	37.9			G2/5000
FVH	(80°-90°)	277.5	3.3			G3/500
BL	(0°-30°)	444.9	5.2	B1/500		
BM	(30°-60°)	1063.5	12.5	B2/2500		
BH	(60°-80°)	459.9	5.4	B1/500		G1/500
BVH	(80°-90°)	31.6	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-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	993.7	993.7	993.7	993.7	993.7	993.7	993.7	993.7	993.7	993.7	993.7
2.5°	1011.0	1009.4	1006.3	993.7	992.1	991.3	992.9	988.2	987.4	989.0	987.4
5°	1011.8	1010.2	1006.3	995.3	993.7	992.1	992.9	989.0	989.8	993.7	993.7
7.5°	1013.3	1011.8	1007.8	996.1	999.2	997.6	1000.8	995.3	995.3	998.4	999.2
10°	1009.4	1008.6	1006.3	997.6	1002.3	999.2	1002.3	1003.1	1006.3	1008.6	1007.8
12.5°	999.2	999.2	999.2	995.3	1008.6	1007.8	1013.3	1018.9	1026.7	1030.6	1033.0
15°	992.9	992.1	997.6	996.8	1013.3	1015.7	1025.1	1039.3	1051.1	1061.3	1064.4
17.5°	999.2	999.2	1006.3	1004.7	1021.2	1022.8	1033.0	1053.4	1073.1	1092.8	1101.4
20°	1006.3	1007.1	1015.7	1018.1	1033.8	1033.0	1043.2	1068.4	1095.1	1124.2	1139.1
22.5°	1028.3	1027.5	1034.6	1029.9	1047.9	1051.1	1059.7	1081.7	1119.5	1156.4	1180.8
25°	1044.8	1047.2	1054.2	1051.1	1066.0	1070.0	1084.1	1105.3	1150.1	1194.2	1237.4
27.5°	1060.5	1065.2	1070.7	1070.0	1090.4	1095.1	1106.1	1139.1	1191.0	1243.7	1304.2
30°	1084.1	1082.5	1086.5	1093.5	1120.3	1123.4	1136.8	1176.9	1239.8	1308.2	1389.1
32.5°	1115.5	1114.0	1117.9	1124.2	1156.4	1164.3	1182.4	1225.6	1305.0	1387.6	1486.6
35°	1165.1	1169.0	1172.2	1180.0	1211.5	1222.5	1246.8	1301.9	1393.8	1525.9	1667.4
37.5°	1337.2	1328.6	1311.3	1279.9	1288.5	1301.1	1335.7	1414.3	1547.9	1772.0	1901.7
40°	1606.1	1595.9	1541.6	1449.7	1408.0	1411.1	1444.9	1551.9	1734.3	2061.3	2180.8
42.5°	1859.2	1846.7	1782.2	1667.4	1584.9	1575.4	1578.6	1702.0	1938.7	2350.6	2414.3
45°	2098.2	2104.5	2006.3	1918.2	1823.9	1780.6	1767.3	1859.2	2165.8	2601.4	2621.0
47.5°	2327.0	2331.7	2220.9	2136.0	2044.8	1994.5	1968.5	2040.1	2375.0	2804.2	2786.1
50°	2560.5	2573.1	2421.3	2349.0	2264.9	2228.7	2203.6	2250.8	2606.1	2998.4	2942.6
52.5°	2889.9	2837.2	2638.3	2536.1	2476.4	2465.4	2439.4	2478.0	2851.4	3169.8	3053.4
55°	3256.2	3143.8	2934.7	2756.2	2673.7	2673.7	2650.9	2695.7	3104.5	3297.9	3143.8
57.5°	3374.9	3386.0	3313.6	3119.5	2897.8	2880.5	2858.4	2919.8	3321.5	3412.7	3177.6
60°	3582.5	3613.2	3669.0	3507.0	3397.7	3250.7	3117.1	3150.1	3508.6	3507.0	3213.8
62.5°	3685.5	3714.6	3889.1	3801.8	3904.8	3915.0	3665.0	3410.3	3647.0	3554.2	3231.1
65°	3588.0	3608.4	3841.1	3955.9	4254.7	4396.9	4273.5	3760.2	3720.1	3534.5	3166.6
67.5°	3268.0	3306.6	3499.2	3849.0	4566.8	4646.2	4530.6	4240.5	3751.5	3540.8	3114.7
69°	2931.6	2932.3	3199.6	3684.7	4628.1	4683.1	4541.6	4263.3	3718.5	3525.9	3003.9
70°	2742.1	2761.8	2959.9	3542.4	4605.3	4623.4	4514.9	4262.5	3695.7	3521.2	2898.5
72.5°	2139.9	2129.7	2327.0	2962.2	4347.4	4387.5	4268.0	4142.2	3676.8	3318.3	2452.0
75°	1496.0	1527.5	1720.9	2244.5	3746.0	3866.3	3866.3	3979.5	3384.4	2835.6	1772.8
77.5°	1113.2	1117.9	1272.8	1714.6	3014.1	3139.1	3253.9	3349.0	2645.4	1942.6	792.4
80°	753.9	761.0	902.5	1264.9	2233.5	2348.2	2529.8	2304.2	1573.9	672.2	90.4
82.5°	474.8	484.3	596.7	888.4	1592.0	1643.8	1699.7	1301.1	524.4	77.8	57.4
85°	282.2	283.8	360.1	567.6	970.9	974.0	914.3	599.0	140.7	46.4	36.2
87.5°	117.9	124.2	157.2	251.6	284.6	224.8	139.9	48.0	21.2	18.9	12.6
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°	993.7	993.7	993.7	993.7	993.7	993.7	993.7	993.7	993.7	993.7	993.7
2.5°	982.7	991.3	989.8	992.1	995.3	1001.6	1008.6	1005.5	1009.4	1018.1	1018.1
5°	991.3	998.4	1000.8	1005.5	1009.4	1015.7	1020.4	1018.9	1027.5	1040.1	1040.1
7.5°	998.4	1003.9	1011.8	1017.3	1021.2	1033.8	1038.5	1035.4	1041.7	1056.6	1057.4
10°	1008.6	1014.1	1025.9	1031.4	1039.3	1045.6	1051.9	1051.1	1057.4	1070.7	1073.1
12.5°	1033.8	1037.7	1054.2	1062.1	1062.1	1070.0	1065.2	1057.4	1060.5	1068.4	1070.0
15°	1066.8	1072.3	1093.5	1097.5	1093.5	1095.1	1084.1	1058.9	1046.4	1048.7	1049.5
17.5°	1104.5	1114.0	1138.3	1132.8	1128.1	1116.3	1088.0	1050.3	1012.6	998.4	1000.8
20°	1144.6	1156.4	1184.7	1172.9	1155.6	1125.0	1079.4	1014.9	956.7	922.9	921.4
22.5°	1191.0	1206.0	1232.7	1212.2	1173.7	1120.3	1050.3	971.7	897.8	845.1	842.0
25°	1254.7	1271.2	1280.6	1239.8	1176.9	1103.0	1008.6	912.7	820.0	757.1	752.3
27.5°	1327.0	1335.7	1316.8	1255.5	1161.9	1066.0	956.7	838.0	735.8	684.0	676.9
30°	1407.2	1400.1	1341.2	1247.6	1123.4	1007.8	875.8	742.9	661.2	619.5	613.2
32.5°	1500.0	1478.0	1360.0	1225.6	1072.3	931.6	787.7	682.4	617.1	575.5	572.3
35°	1652.5	1589.6	1390.7	1191.8	1004.7	842.0	706.8	630.5	579.4	527.5	519.6
37.5°	1873.4	1754.7	1435.5	1160.4	931.6	755.5	645.4	588.8	544.0	485.8	474.8
40°	2103.0	1948.9	1509.4	1125.8	863.2	691.8	611.6	571.5	527.5	472.5	457.5
42.5°	2312.9	2133.6	1595.9	1082.5	791.7	640.7	595.1	566.8	522.8	470.9	459.1
45°	2503.1	2307.4	1684.7	1033.0	713.0	599.8	581.8	558.2	513.4	463.8	454.4
47.5°	2663.5	2455.2	1774.3	975.6	637.6	574.7	567.6	542.4	500.8	452.8	445.0
50°	2796.3	2561.3	1825.4	915.1	575.5	555.8	547.2	515.7	473.3	428.5	423.7
52.5°	2894.6	2627.3	1871.8	882.8	526.7	525.1	519.6	489.0	448.1	401.7	392.3
55°	2963.0	2681.6	1851.4	857.7	474.8	486.6	483.5	464.6	430.0	375.8	367.9
57.5°	2966.9	2686.3	1807.4	708.3	423.7	440.2	445.7	448.9	410.4	362.4	353.0
60°	2963.0	2651.7	1725.6	519.6	374.2	393.9	414.3	414.3	387.6	340.4	333.3
62.5°	2944.9	2583.3	1535.4	370.3	334.9	360.8	387.6	375.8	353.0	315.2	308.2
65°	2862.4	2469.3	1201.2	301.9	318.4	342.0	354.6	338.0	309.0	269.7	266.5
67.5°	2712.2	2208.3	695.0	276.7	304.2	325.5	335.7	310.5	283.0	245.3	243.7
69°	2547.1	1944.2	391.5	270.4	295.6	314.5	323.1	295.6	268.9	232.7	225.6
70°	2399.3	1708.3	254.7	264.9	286.9	307.4	313.7	285.4	260.2	223.3	218.6
72.5°	1817.6	1029.1	171.4	242.1	263.4	279.1	288.5	261.8	233.5	196.5	187.1
75°	992.9	279.9	150.9	207.5	234.3	255.5	257.9	224.1	183.2	145.4	141.5
77.5°	193.4	95.9	129.7	171.4	186.3	211.5	209.9	187.1	158.8	123.4	118.7
80°	73.1	69.2	108.5	122.6	131.3	158.0	167.5	150.9	132.1	84.1	72.3
82.5°	49.5	51.1	81.0	72.3	80.2	93.6	117.9	114.8	104.6	57.4	51.1
85°	34.6	40.1	44.8	30.7	39.3	59.0	77.8	75.5	64.5	40.1	36.2
87.5°	10.2	11.0	12.6	15.7	24.4	44.0	63.7	52.7	35.4	29.9	25.9
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)