

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: P233480

Luminaire Tested: **VERD-C015-D-U-T2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233480  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-10)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-C015-D-U-T2  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 4000K, 750mA LED AND TYPE II OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3942 lumens  
Efficiency: N/A  
Efficacy: 131.4 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 - G1

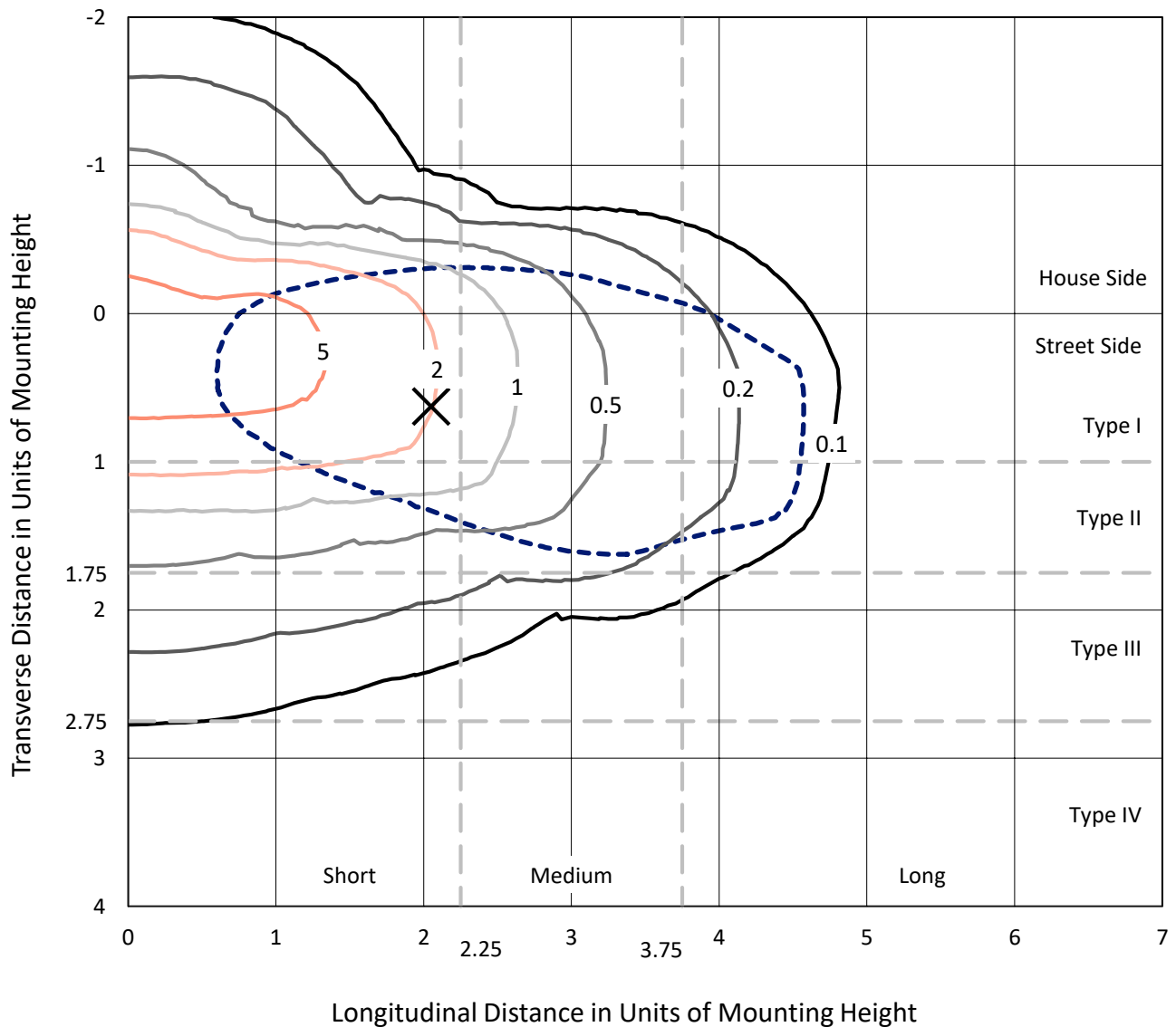
Input Watts (W): 30  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

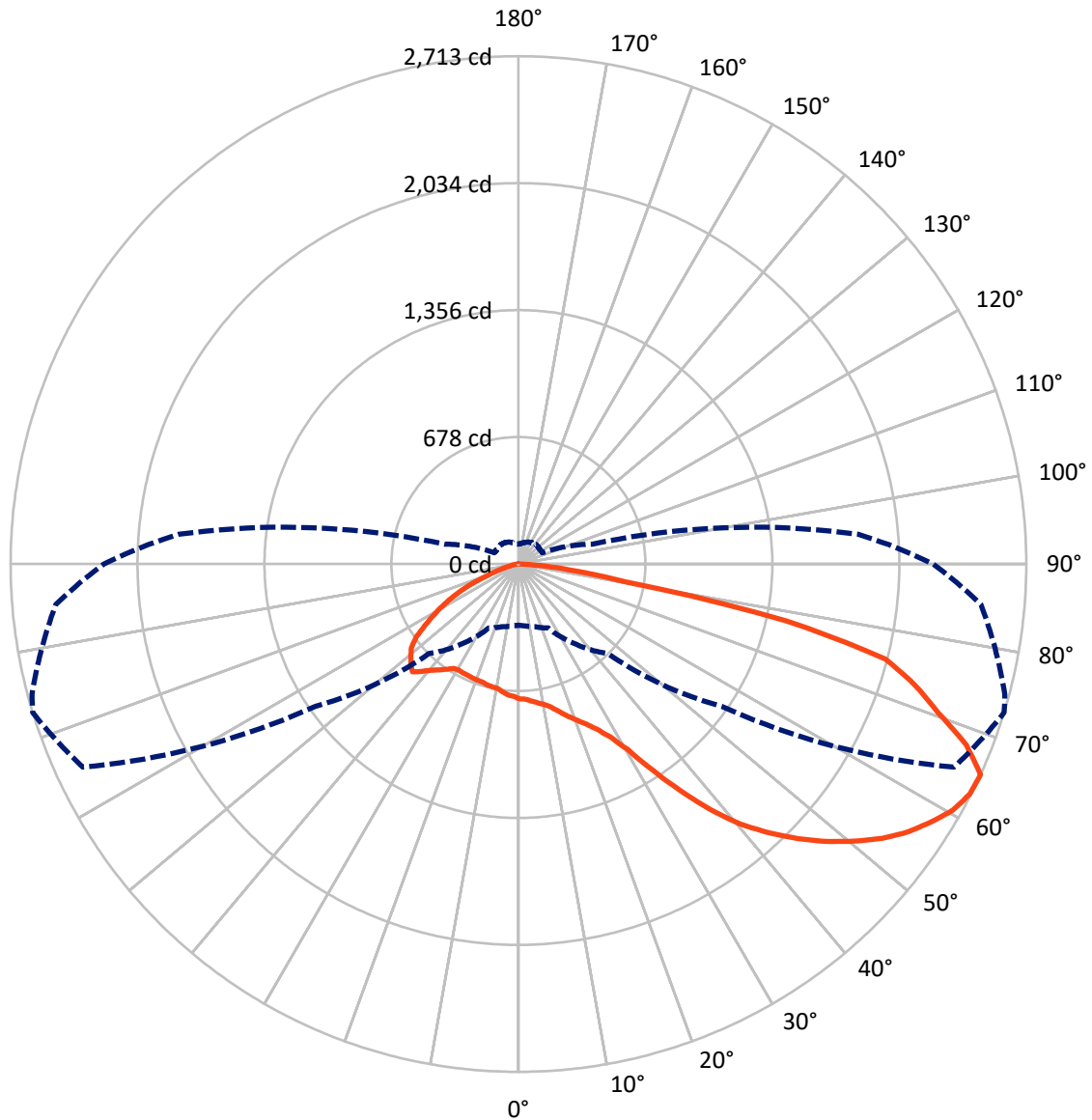


Based on 10 foot mounting height. Maximum calculated value = 8.4 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1010.5	0.0	1010.5
	% Fixture	25.6	0.0	25.6
<b>Street Side</b>	Lumens	2931.5	0.0	2931.5
	% Fixture	74.4	0.0	74.4
<b>Total</b>	Lumens	3942.0	0.0	3942.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.8	1.7
10°-20°	208.0	5.3
20°-30°	348.9	8.8
30°-40°	511.6	13.0
40°-50°	691.4	17.5
50°-60°	801.0	20.3
60°-70°	782.4	19.8
70°-80°	469.8	11.9
80°-90°	60.2	1.5
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°	3942.0	100.0
0°-180°	3942.0	100.0



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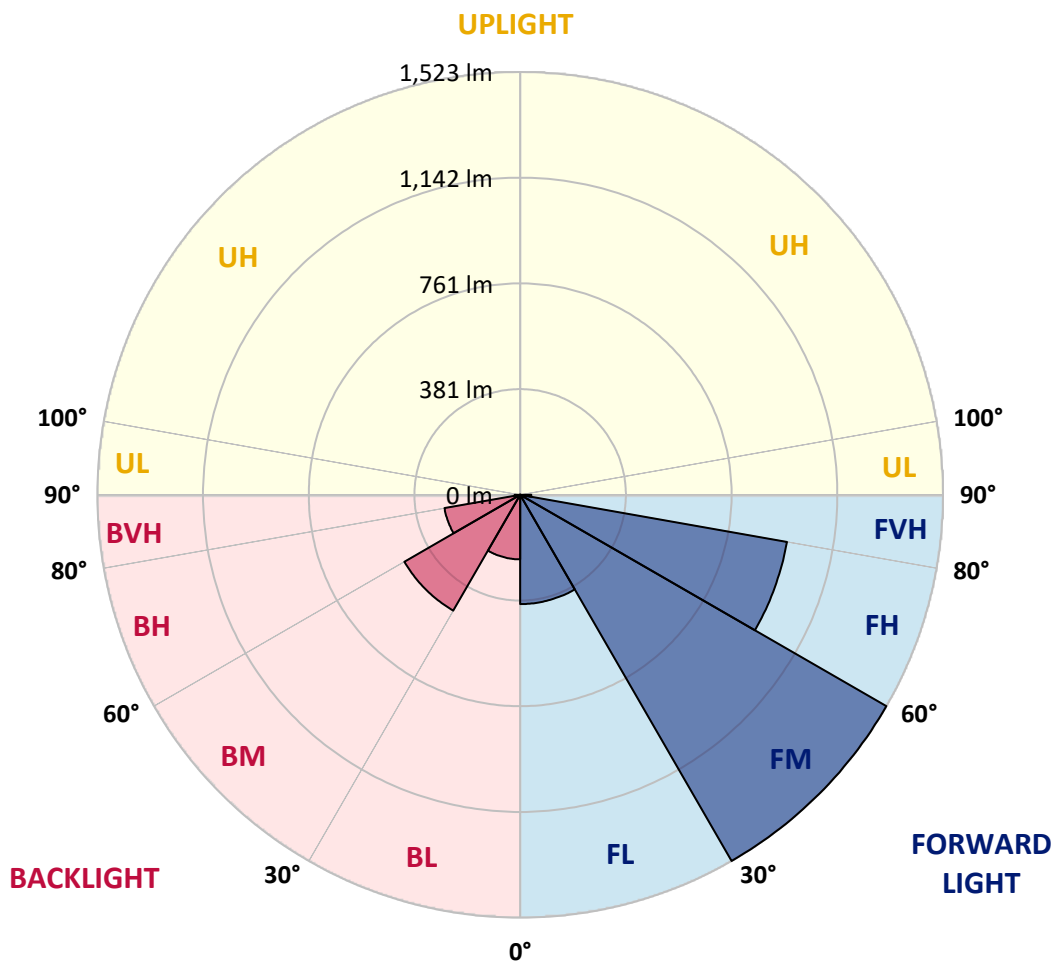
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	393.3	10.0			
FM	(30°-60°)	1522.5	38.6			
FH	(60°-80°)	975.6	24.7			G1/1800
FVH	(80°-90°)	40.1	1.0			G1/100
BL	(0°-30°)	232.3	5.9	B1/500		
BM	(30°-60°)	481.5	12.2	B1/1000		
BH	(60°-80°)	276.7	7.0	B1/500		G1/500
BVH	(80°-90°)	20.1	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	720.8	720.8	720.8	720.8	720.8	720.8	720.8	720.8	720.8	720.8	720.8
2.5°	765.2	768.0	764.8	755.5	750.9	747.6	738.0	729.4	722.6	721.9	715.4
5°	794.5	798.8	793.4	781.6	777.0	770.2	759.4	747.6	735.5	733.0	720.1
7.5°	831.7	832.5	829.6	817.8	808.1	793.8	775.2	762.7	748.7	744.8	724.4
10°	863.2	862.9	859.3	847.8	838.2	825.7	799.5	779.1	762.7	757.7	729.4
12.5°	893.3	892.6	889.0	877.2	865.0	854.6	835.0	807.4	785.2	778.8	743.7
15°	930.5	928.7	923.0	907.3	897.6	885.4	871.1	843.5	818.1	809.2	764.5
17.5°	959.1	958.8	954.5	941.3	929.8	916.6	903.3	881.8	854.3	844.3	784.9
20°	975.6	974.2	973.1	962.7	959.9	952.7	933.7	917.3	889.7	879.3	807.8
22.5°	993.1	993.5	993.9	988.5	996.7	990.6	976.7	956.6	928.7	916.9	840.0
25°	997.1	997.8	1005.0	1016.8	1026.8	1037.9	1027.9	1008.2	978.1	965.6	884.0
27.5°	986.0	988.9	1010.3	1030.4	1065.8	1080.1	1078.3	1077.3	1046.5	1033.9	944.5
30°	996.0	996.0	1010.7	1045.0	1089.8	1127.4	1135.6	1158.5	1149.2	1140.2	1046.1
32.5°	965.9	971.3	997.4	1045.4	1116.3	1171.0	1208.2	1271.9	1308.8	1301.3	1190.0
35°	909.4	916.6	954.9	1028.2	1129.5	1222.6	1289.1	1411.9	1483.1	1492.0	1363.2
37.5°	865.7	871.8	919.8	1001.4	1134.5	1270.9	1382.5	1569.4	1661.3	1656.7	1509.9
40°	812.4	823.1	871.5	969.5	1122.7	1312.0	1483.8	1713.9	1827.0	1805.6	1649.5
42.5°	764.5	773.8	814.2	918.7	1106.2	1335.3	1575.4	1862.8	1962.0	1944.8	1781.6
45°	713.6	721.9	759.4	857.9	1067.9	1346.7	1661.3	2005.3	2091.5	2072.2	1904.0
47.5°	655.3	666.4	711.1	800.6	1011.8	1339.6	1724.0	2129.1	2214.6	2200.3	2005.3
50°	508.2	519.7	636.7	746.9	933.7	1309.9	1780.1	2252.9	2325.9	2312.3	2094.7
52.5°	461.3	466.3	502.8	685.4	852.5	1251.2	1815.2	2354.9	2434.4	2420.8	2179.2
55°	432.7	436.3	456.7	559.7	783.4	1156.7	1819.5	2460.9	2525.6	2507.7	2269.0
57.5°	403.3	407.3	429.8	482.8	714.0	1008.9	1774.1	2550.7	2599.7	2580.4	2354.9
60°	378.6	380.8	403.0	439.5	635.6	862.2	1657.0	2611.9	2668.1	2643.0	2439.0
62.5°	356.1	359.0	375.1	408.4	569.8	752.3	1493.8	2612.2	2705.7	2690.3	2481.6
65°	326.8	331.0	346.8	376.9	516.4	677.1	1324.9	2566.8	2712.5	2689.5	2479.5
67.5°	292.8	298.1	312.4	336.4	445.6	597.0	1089.4	2507.0	2579.7	2575.7	2377.1
70°	258.8	258.8	274.9	294.2	369.7	511.1	860.7	2294.1	2377.1	2383.2	2193.5
72.5°	218.3	219.0	231.6	248.4	297.8	419.4	627.0	1961.2	2216.1	2142.3	1978.4
75°	183.2	182.5	195.4	209.4	242.3	330.3	409.1	1440.9	2025.3	2041.8	1741.1
77.5°	97.3	93.8	110.2	121.3	142.1	183.6	226.9	722.6	1466.6	1498.8	1394.0
80°	27.6	27.9	73.0	81.6	93.4	90.9	105.2	275.6	580.1	653.9	812.8
82.5°	16.5	19.0	41.5	48.7	36.5	23.6	40.1	153.2	300.3	336.4	403.3
85°	8.6	9.3	14.7	18.3	14.0	11.8	12.2	64.4	146.0	148.5	161.1
87.5°	3.9	3.9	5.4	5.7	3.6	2.1	1.4	1.1	1.1	0.7	0.7
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°	720.8	720.8	720.8	720.8	720.8	720.8	720.8	720.8	720.8	720.8	720.8
2.5°	710.4	714.0	707.9	703.3	699.7	697.5	695.0	688.9	690.7	693.2	692.9
5°	714.0	715.8	705.0	690.4	676.8	667.1	660.7	651.0	651.0	654.9	654.9
7.5°	717.2	714.7	692.9	668.2	652.8	644.9	634.5	624.2	622.4	625.2	625.6
10°	719.0	708.3	677.8	654.9	634.9	618.8	605.6	593.7	593.4	597.3	598.0
12.5°	726.9	706.1	676.8	645.3	615.2	598.0	582.3	569.0	564.4	564.8	565.5
15°	739.0	714.7	675.3	632.0	599.5	576.6	553.7	536.8	532.5	538.3	540.4
17.5°	753.7	728.7	668.5	619.9	580.1	552.6	529.7	514.6	501.0	495.0	493.9
20°	773.0	740.5	672.1	602.0	561.5	524.7	496.0	477.8	466.3	465.6	464.9
22.5°	798.5	753.7	672.8	590.2	532.2	493.9	458.5	448.1	427.7	420.2	423.4
25°	832.1	773.8	671.0	577.6	509.6	458.1	415.5	396.5	389.0	380.4	381.2
27.5°	875.4	805.6	675.7	561.2	472.8	414.4	366.8	346.4	335.0	327.8	328.9
30°	963.4	853.9	675.3	545.4	438.8	369.3	315.7	302.1	290.6	284.2	287.4
32.5°	1088.7	958.8	690.4	524.3	400.1	308.9	272.7	257.3	247.7	240.5	242.3
35°	1243.7	1073.0	729.0	495.7	356.1	262.7	238.0	219.0	207.2	204.4	203.3
37.5°	1387.5	1173.9	765.5	476.7	305.6	237.3	206.1	187.2	176.8	180.4	180.4
40°	1516.0	1307.7	806.7	446.3	259.8	208.3	170.7	162.1	156.8	162.8	165.0
42.5°	1613.0	1436.2	862.5	406.2	222.6	173.9	146.0	152.1	154.3	158.5	157.5
45°	1733.3	1509.6	917.6	369.0	190.0	144.9	141.0	153.5	158.5	162.5	160.7
47.5°	1843.9	1566.5	906.5	300.3	160.0	140.3	143.5	153.5	162.1	168.6	167.5
50°	1939.1	1637.7	885.4	233.3	153.5	144.6	146.0	149.6	162.5	166.8	166.8
52.5°	1998.5	1708.2	859.3	188.6	158.2	150.0	147.5	147.1	155.7	158.9	156.0
55°	2070.0	1781.2	791.7	175.0	160.0	153.5	151.4	148.2	150.7	148.2	149.6
57.5°	2149.5	1853.2	687.9	171.1	158.9	152.5	163.9	146.7	145.3	136.4	134.2
60°	2219.3	1881.4	597.0	162.1	153.2	149.6	152.5	144.9	137.8	126.0	121.3
62.5°	2245.4	1878.9	504.6	152.8	144.6	145.3	144.9	139.6	133.1	121.3	118.5
65°	2213.9	1821.7	409.1	141.7	137.8	140.7	137.1	129.2	118.5	108.8	106.3
67.5°	2107.3	1675.6	303.8	127.1	126.7	132.1	129.6	118.8	107.0	99.5	99.5
70°	1903.3	1496.0	196.8	105.6	113.5	122.8	122.8	111.3	95.9	89.5	91.3
72.5°	1679.9	1287.3	127.4	78.4	89.5	111.3	110.6	102.7	88.4	80.2	80.5
75°	1455.2	1021.4	82.3	54.0	58.0	94.8	98.1	83.7	68.7	58.7	56.9
77.5°	1106.2	768.4	52.3	31.5	36.9	58.0	74.4	69.8	70.1	85.5	84.8
80°	680.4	463.1	37.9	15.4	18.3	37.9	60.1	66.6	93.4	61.6	56.5
82.5°	340.7	216.5	20.0	9.3	10.4	16.8	35.8	79.8	68.0	40.8	38.7
85°	127.4	58.3	6.1	4.7	5.7	8.6	14.7	73.0	43.3	32.6	31.9
87.5°	0.7	1.1	1.1	1.4	2.1	2.5	5.4	34.7	21.8	15.7	15.0
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)