

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: P233532

Luminaire Tested: **VERD-C015-D-U-T3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233532  
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-C015-D-U-T3  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 4000K, 750mA LED AND TYPE III OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3936 lumens  
Efficiency: N/A  
Efficacy: 131.2 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 - G1

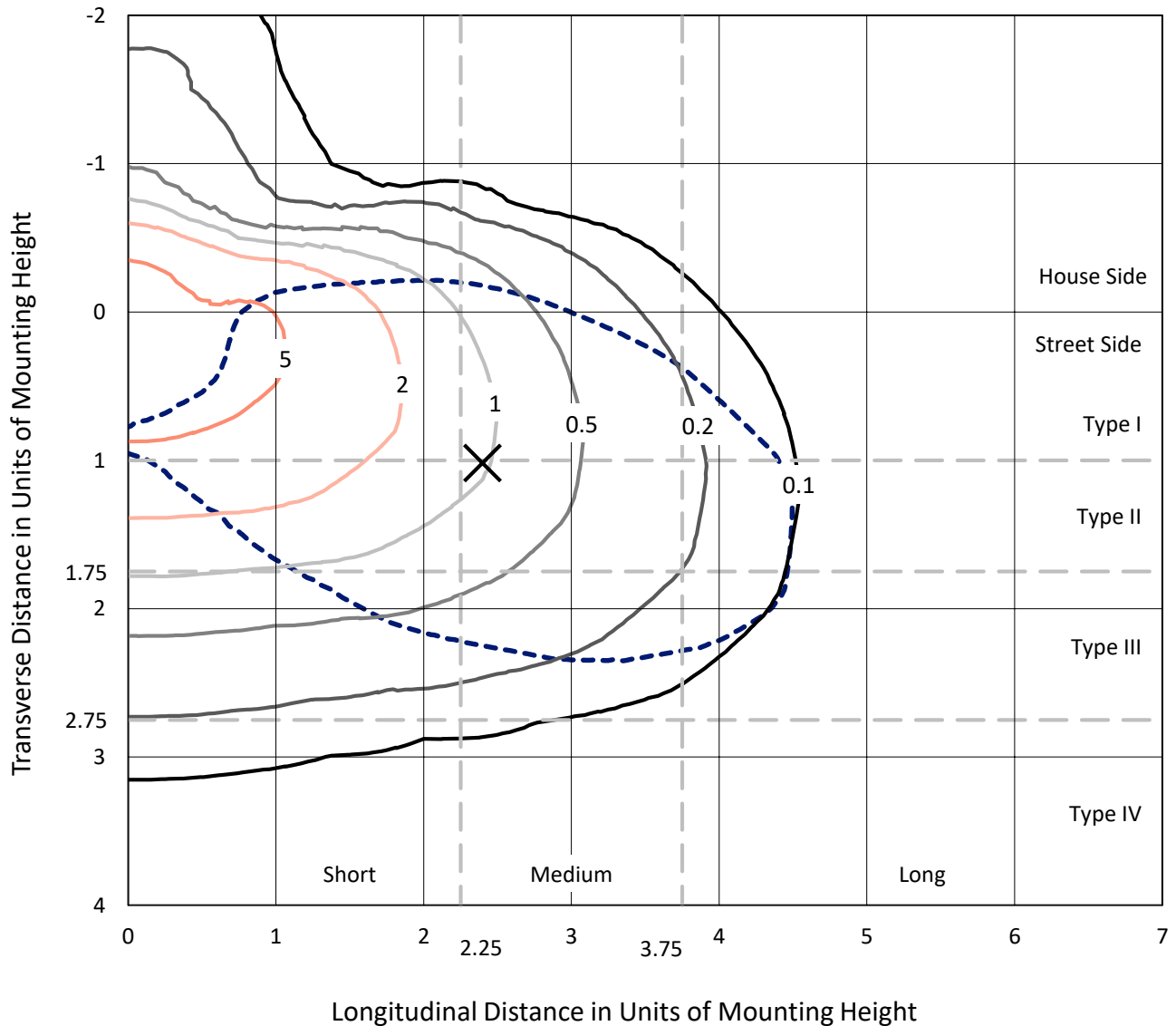
Input Watts (W): 30  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

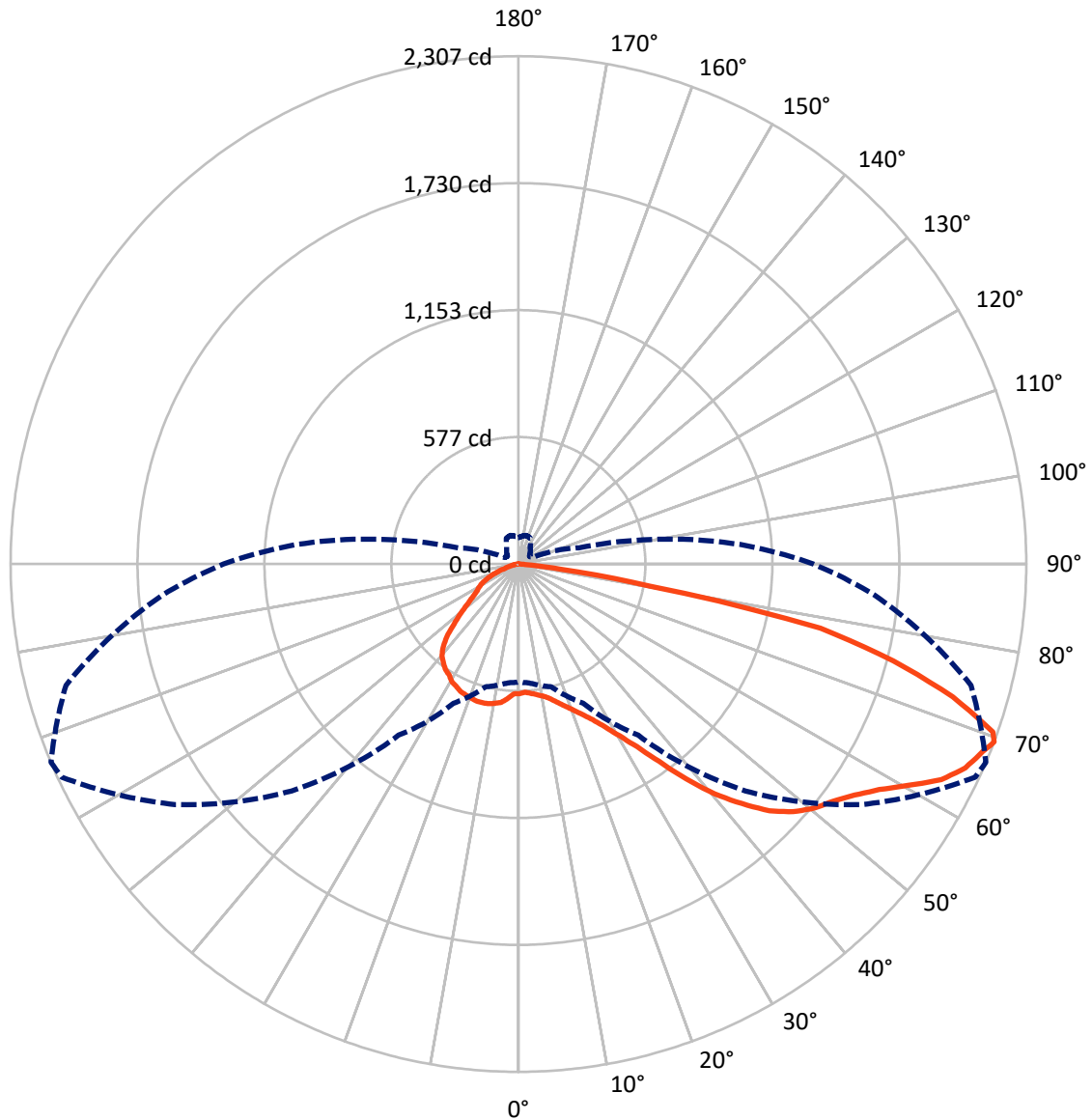


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc  
 Type III - Medium - Semi-Cutoff

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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	886.3	0.0	886.3
	% Fixture	22.5	0.0	22.5
<b>Street Side</b>	Lumens	3049.7	0.0	3049.7
	% Fixture	77.5	0.0	77.5
<b>Total</b>	Lumens	3936.0	0.0	3936.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.6	1.5
10°-20°	190.0	4.8
20°-30°	327.4	8.3
30°-40°	487.0	12.4
40°-50°	670.6	17.0
50°-60°	801.7	20.4
60°-70°	846.0	21.5
70°-80°	507.0	12.9
80°-90°	46.6	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°	3936.0	100.0
0°-180°	3936.0	100.0



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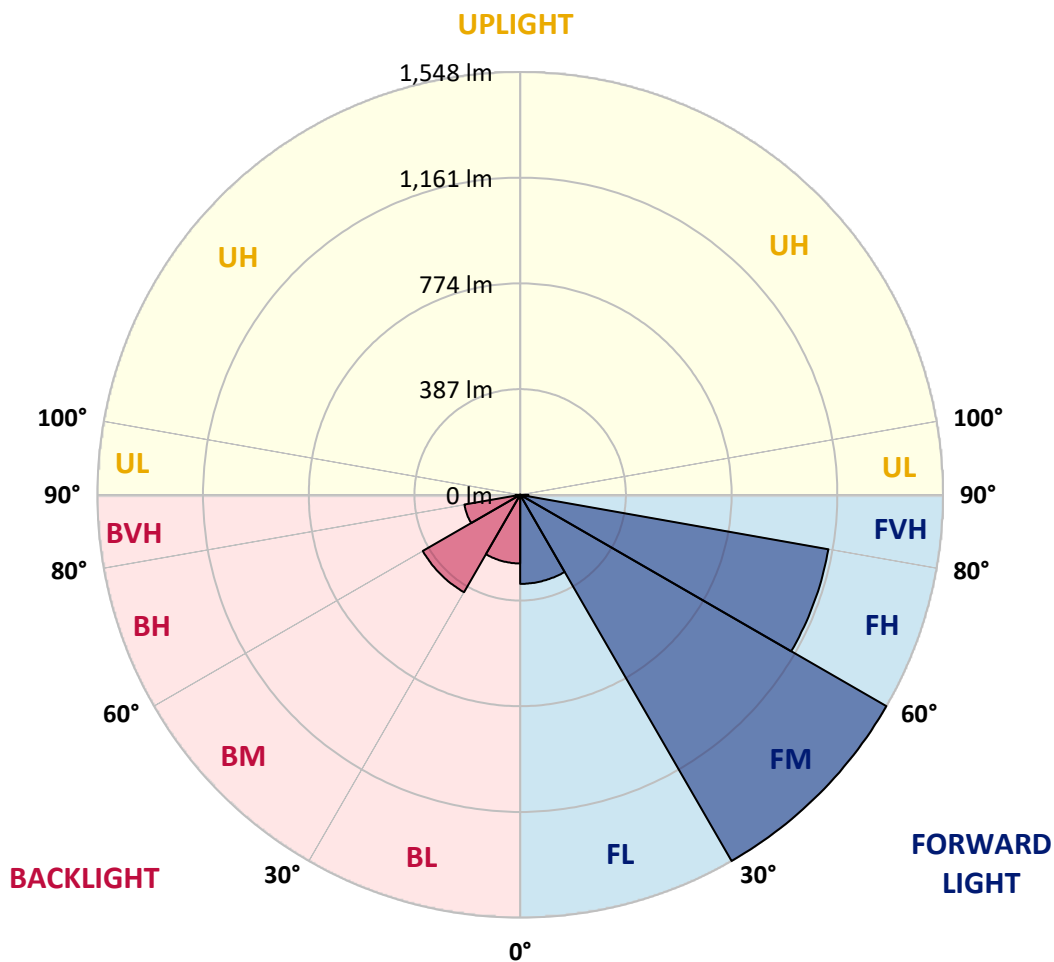
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	325.9	8.3			
FM	(30°-60°)	1547.8	39.3			
FH	(60°-80°)	1145.8	29.1			G1/1800
FVH	(80°-90°)	30.2	0.8			G1/100
BL	(0°-30°)	251.2	6.4	B1/500		
BM	(30°-60°)	411.5	10.5	B1/1000		
BH	(60°-80°)	207.2	5.3	B1/500		G1/500
BVH	(80°-90°)	16.5	0.4			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	588.7	588.7	588.7	588.7	588.7	588.7	588.7	588.7	588.7	588.7	588.7
2.5°	598.4	598.0	596.3	589.8	589.1	588.4	584.1	584.4	583.4	584.4	584.8
5°	614.9	613.4	611.7	604.8	602.3	599.1	592.7	592.3	589.8	590.5	591.2
7.5°	635.3	633.8	632.4	624.5	622.0	616.3	606.3	601.3	599.1	599.8	600.9
10°	662.8	660.3	658.2	646.7	642.8	633.1	621.0	612.4	609.5	610.6	613.4
12.5°	694.3	691.1	687.5	675.7	670.3	655.3	641.0	629.9	625.6	628.1	630.3
15°	726.9	725.1	723.7	709.7	702.2	685.7	667.8	653.9	649.9	652.1	653.2
17.5°	769.8	768.8	766.3	751.9	737.6	718.7	695.4	680.7	676.8	677.9	675.4
20°	816.7	813.9	812.4	796.3	781.3	755.2	728.3	707.6	706.5	706.9	699.0
22.5°	869.3	866.1	863.3	848.6	830.0	799.5	764.5	741.2	741.9	742.6	725.1
25°	923.0	920.5	918.0	904.1	885.4	852.2	809.9	783.8	783.4	783.8	759.5
27.5°	979.2	976.3	976.0	964.5	945.9	911.9	863.3	836.8	836.8	835.3	798.5
30°	1029.3	1032.2	1032.2	1025.7	1008.2	974.2	928.4	901.9	905.5	902.6	855.7
32.5°	1084.1	1083.4	1088.4	1083.4	1069.0	1037.6	999.3	982.4	988.5	997.8	950.9
35°	1115.9	1120.9	1133.5	1140.6	1133.8	1108.1	1080.1	1093.0	1101.3	1143.1	1086.9
37.5°	1152.8	1157.1	1174.3	1191.8	1194.7	1180.7	1180.7	1222.9	1239.0	1293.8	1228.3
40°	1178.2	1182.5	1201.1	1221.5	1249.4	1259.1	1284.1	1349.6	1372.5	1409.4	1333.5
42.5°	1163.2	1165.3	1205.4	1255.2	1296.3	1342.8	1382.6	1465.6	1487.4	1513.2	1420.1
45°	1136.7	1140.6	1185.0	1265.2	1336.0	1428.4	1478.5	1574.8	1599.8	1597.3	1486.7
47.5°	1107.3	1113.4	1162.8	1252.3	1370.0	1502.5	1566.2	1666.4	1680.7	1662.8	1532.9
50°	1074.8	1085.2	1137.8	1239.4	1394.7	1567.2	1631.3	1735.1	1742.6	1706.1	1573.3
52.5°	1037.6	1044.4	1102.7	1214.7	1411.9	1610.2	1683.2	1786.3	1789.5	1759.8	1615.9
55°	986.0	992.1	1056.9	1181.8	1414.4	1635.6	1716.5	1841.0	1851.8	1822.8	1654.6
57.5°	930.5	938.1	1004.6	1134.2	1391.5	1646.0	1756.6	1911.5	1932.3	1890.8	1685.7
60°	866.1	875.8	943.1	1076.2	1346.4	1662.1	1831.4	2014.3	2040.0	1967.7	1715.4
62.5°	799.2	804.6	866.5	996.0	1276.3	1670.3	1899.4	2131.6	2156.3	2040.4	1729.4
65°	705.1	713.7	768.8	899.8	1177.5	1634.9	1931.2	2213.6	2231.5	2099.4	1715.8
67.5°	605.2	605.2	652.1	784.5	1045.8	1541.1	1918.3	2253.0	2274.5	2141.0	1672.8
69°	536.1	541.5	577.3	697.9	949.1	1457.7	1904.4	2289.1	2306.7	2127.7	1623.4
70°	483.2	487.8	524.0	634.9	877.2	1391.9	1874.3	2273.0	2285.9	2086.9	1571.5
72.5°	355.4	359.3	384.4	442.4	659.6	1123.1	1690.0	2055.1	2062.9	1876.8	1386.5
75°	242.3	244.4	263.4	298.8	384.7	785.2	1380.8	1735.8	1759.1	1627.7	1135.3
77.5°	83.7	90.2	101.6	137.4	164.6	308.5	935.9	1367.9	1402.6	1260.5	794.2
80°	28.6	28.3	54.4	70.5	86.6	141.7	296.0	573.4	605.9	519.7	286.0
82.5°	21.5	22.2	36.1	39.0	26.5	52.3	115.2	175.4	192.2	167.9	118.5
85°	13.6	13.2	16.1	16.8	12.2	22.2	27.9	28.3	29.3	25.4	25.8
87.5°	7.5	7.5	7.2	6.1	3.2	2.9	2.5	2.5	2.1	2.1	2.1
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°	588.7	588.7	588.7	588.7	588.7	588.7	588.7	588.7	588.7	588.7	588.7
2.5°	583.0	588.0	589.1	590.5	594.1	598.8	605.2	605.2	607.7	615.2	617.7
5°	591.2	597.3	605.2	613.4	623.1	633.5	643.9	647.4	652.5	662.5	664.6
7.5°	603.8	610.6	624.2	635.3	643.5	653.9	662.5	663.9	670.3	679.7	681.4
10°	616.7	622.7	636.3	642.1	653.2	664.6	668.9	671.1	676.4	683.6	682.5
12.5°	634.2	636.0	645.7	649.6	655.0	662.1	664.3	664.3	667.5	678.9	679.3
15°	651.4	651.4	652.8	650.7	651.4	655.0	655.3	650.7	654.2	660.0	657.8
17.5°	669.6	664.6	658.2	648.9	640.6	640.3	632.8	621.7	618.5	626.7	626.3
20°	686.8	678.2	662.8	641.7	630.3	614.9	595.9	589.5	589.1	590.5	589.5
22.5°	709.4	691.8	663.9	634.9	603.4	579.1	563.3	541.5	540.8	537.6	532.6
25°	736.2	711.1	668.6	627.4	581.6	550.1	512.2	488.9	475.6	478.5	469.9
27.5°	770.9	740.5	670.3	610.9	551.5	498.2	452.4	422.3	410.9	405.9	400.1
30°	818.5	771.6	683.2	597.0	514.3	443.8	387.6	343.9	327.5	331.8	332.5
32.5°	894.7	830.7	690.0	569.4	471.4	384.4	311.4	264.1	254.5	266.6	269.9
35°	1027.5	922.3	706.1	553.0	422.3	315.0	231.6	212.2	214.4	224.8	225.5
37.5°	1158.2	1038.3	755.9	517.2	363.6	233.4	179.7	169.3	179.7	192.9	194.7
40°	1249.8	1128.8	799.9	481.7	281.3	168.9	137.1	124.5	139.6	160.7	164.6
42.5°	1331.0	1200.8	831.0	432.7	192.5	120.6	98.4	101.6	123.8	139.2	142.8
45°	1389.4	1250.1	852.5	369.0	122.8	91.3	88.0	98.4	119.5	131.7	132.8
47.5°	1426.2	1279.1	836.8	290.6	92.3	86.3	86.6	99.9	121.0	134.6	134.2
50°	1459.5	1294.5	785.6	230.5	87.7	82.7	88.4	103.8	125.6	138.1	137.4
52.5°	1494.9	1309.6	723.3	180.7	84.1	80.9	90.5	106.3	125.6	133.5	132.4
55°	1525.4	1322.8	676.4	145.3	81.6	80.5	92.7	110.2	124.9	128.1	126.0
57.5°	1541.1	1300.2	625.6	122.0	79.1	80.5	94.1	109.5	129.2	139.6	137.4
60°	1532.5	1279.1	584.4	113.5	75.5	80.2	94.8	117.4	158.5	168.2	167.5
62.5°	1516.8	1255.9	526.8	102.0	71.6	80.9	94.5	124.5	182.5	179.3	170.4
65°	1484.6	1209.3	448.1	88.8	67.6	82.3	94.5	140.3	159.3	155.7	151.7
67.5°	1415.8	1108.8	358.6	76.2	63.3	78.0	93.1	133.5	137.1	127.8	123.1
69°	1338.9	1012.9	283.8	69.4	60.8	75.9	92.7	128.8	134.9	124.9	119.5
70°	1278.8	938.1	229.4	64.4	58.3	75.2	92.3	125.6	133.9	122.8	117.0
72.5°	1065.1	758.0	120.3	51.9	49.7	68.4	89.1	122.8	134.2	117.7	109.5
75°	836.8	539.4	79.8	39.7	38.3	59.8	81.6	118.1	126.3	105.9	93.4
77.5°	516.1	236.2	55.1	27.6	27.9	46.5	70.1	105.6	127.4	107.0	90.9
80°	150.0	91.3	35.1	18.6	17.2	27.6	55.1	90.9	121.0	109.9	99.1
82.5°	86.6	59.4	23.6	11.8	10.4	12.5	34.7	70.5	106.7	100.6	102.7
85°	19.7	16.5	8.6	5.7	5.7	7.2	11.8	40.8	73.7	86.3	97.3
87.5°	2.1	2.1	2.1	2.1	2.1	1.8	2.1	11.1	32.2	45.8	53.3
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)