

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: P233732

Luminaire Tested: **VERD-C026-D-U-T3-7030-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233732  
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-C026-D-U-T3-7030-HSS  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 3000K, 790mA LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7249 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 III - Medium - Semi-Cutoff  
BUG Rating: B1 - U0 - G2

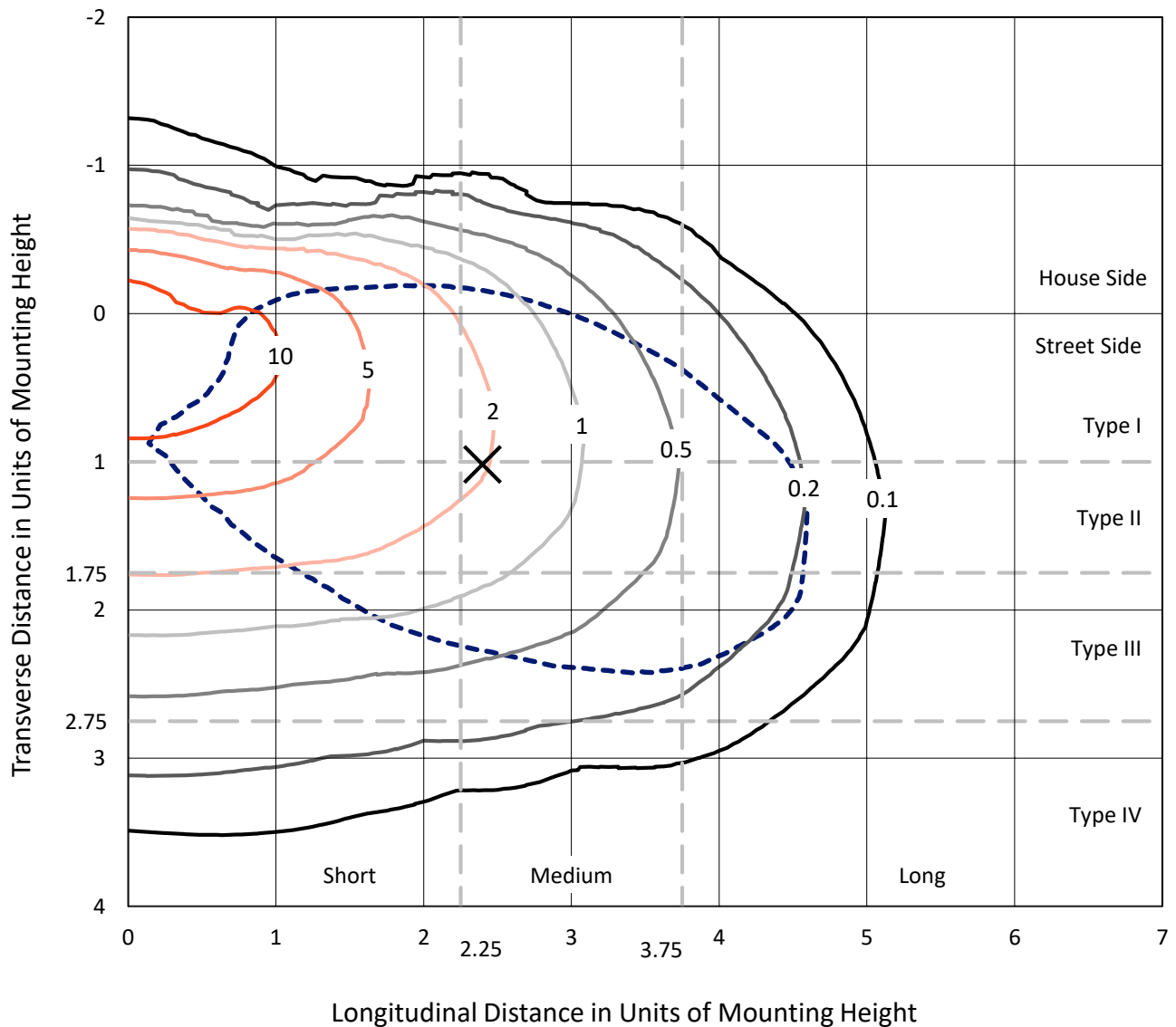
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

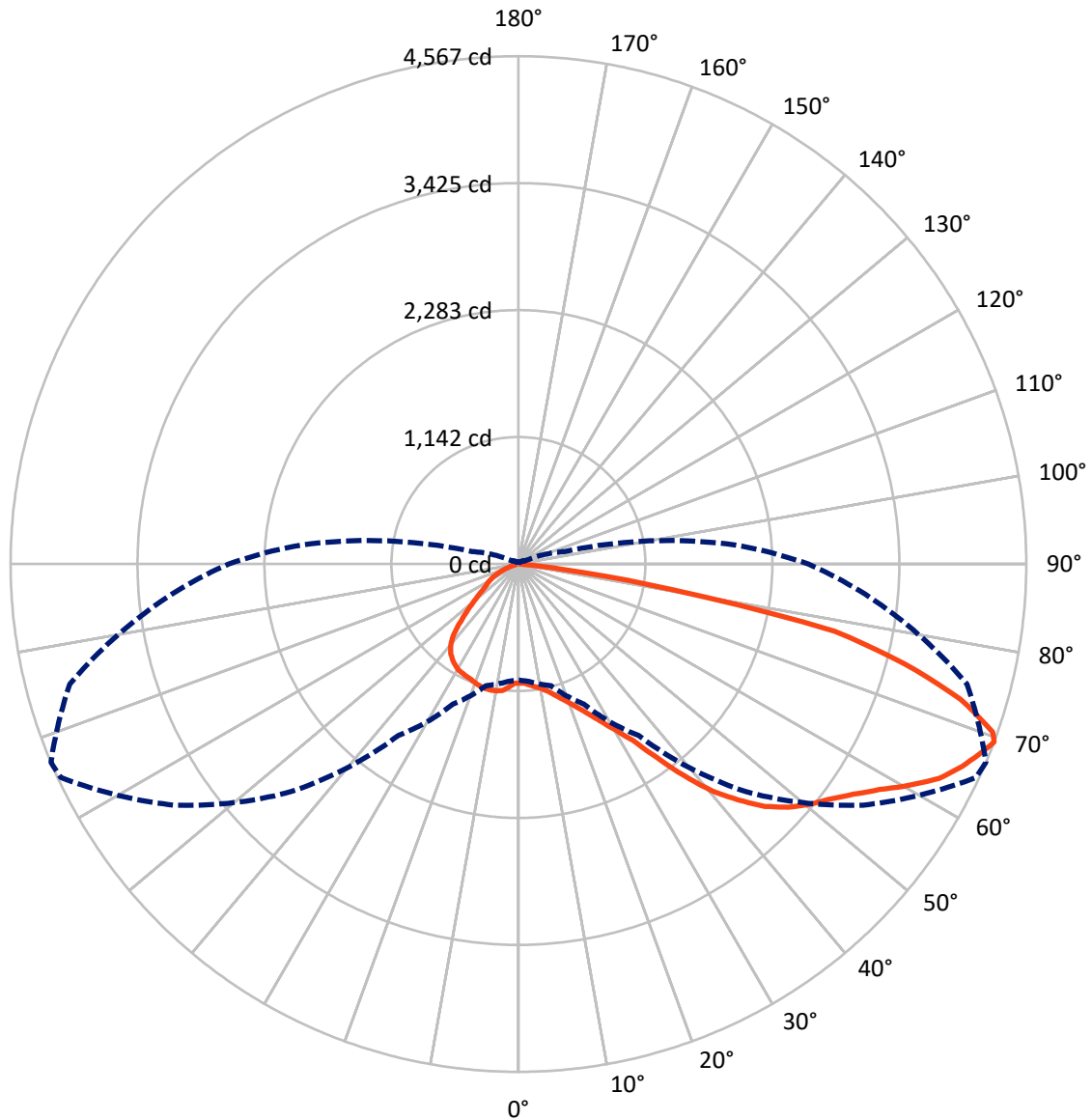
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.1 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	1306.8	0.0	1306.8
	% Fixture	18.0	0.0	18.0
<b>Street Side</b>	Lumens	5942.2	0.0	5942.2
	% Fixture	82.0	0.0	82.0
<b>Total</b>	Lumens	7249.0	0.0	7249.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.2	1.5
10°-20°	340.3	4.7
20°-30°	580.9	8.0
30°-40°	878.2	12.1
40°-50°	1240.7	17.1
50°-60°	1499.4	20.7
60°-70°	1582.2	21.8
70°-80°	952.5	13.1
80°-90°	66.6	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°	7249.0	100.0
0°-180°	7249.0	100.0

**Coefficient of Utilization**



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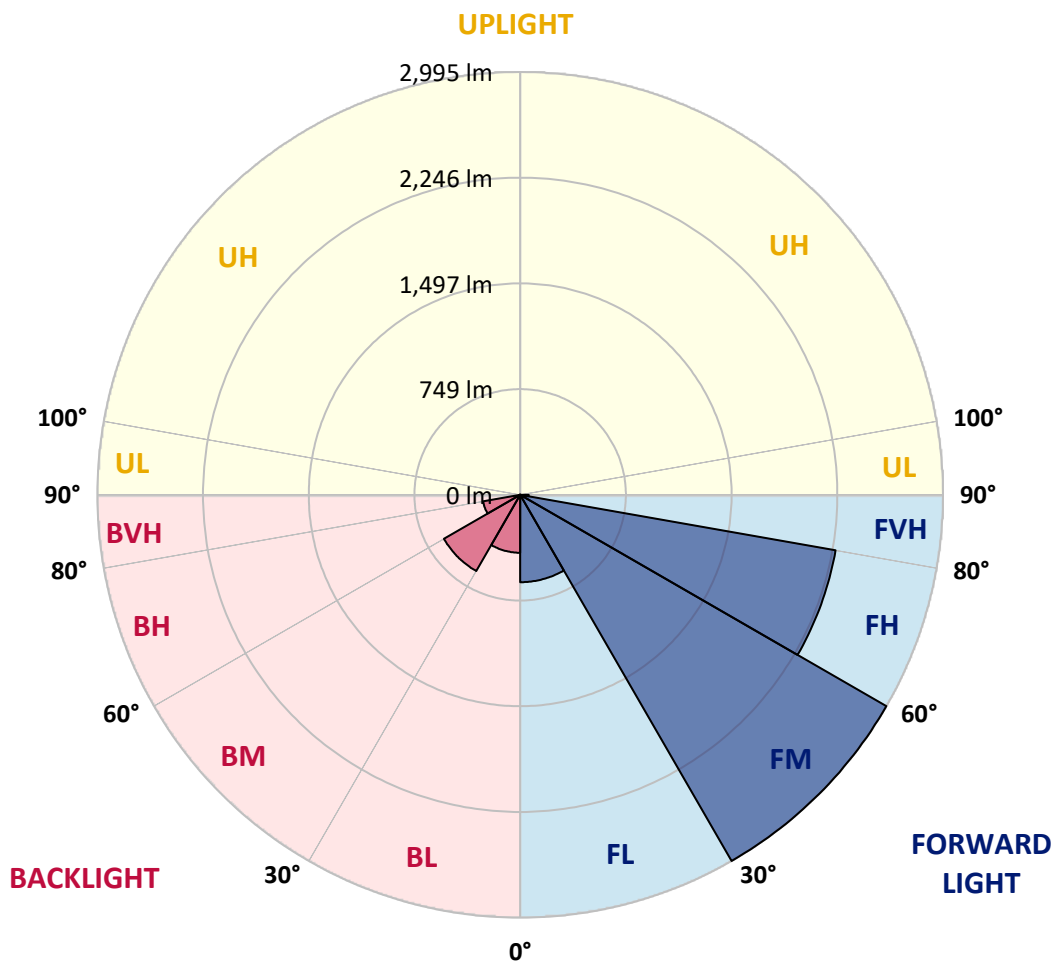
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	619.0	8.5			
FM	(30°-60°)	2994.9	41.3			
FH	(60°-80°)	2268.2	31.3			G2/5000
FVH	(80°-90°)	60.1	0.8			G1/100
BL	(0°-30°)	410.4	5.7	B1/500		
BM	(30°-60°)	623.5	8.6	B1/1000		
BH	(60°-80°)	266.4	3.7	B1/500		G1/500
BVH	(80°-90°)	6.5	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1072.0	1072.0	1072.0	1072.0	1072.0	1072.0	1072.0	1072.0	1072.0	1072.0	1072.0
2.5°	1099.7	1098.0	1098.0	1088.2	1078.9	1076.6	1076.1	1073.2	1073.8	1069.7	1065.7
5°	1131.5	1131.5	1130.4	1117.6	1107.8	1101.5	1097.4	1092.2	1092.8	1089.9	1086.5
7.5°	1179.5	1180.0	1177.7	1161.0	1151.1	1135.6	1126.3	1116.5	1115.9	1112.4	1113.6
10°	1238.4	1240.1	1236.6	1215.3	1198.5	1177.1	1157.5	1140.2	1139.0	1135.0	1138.4
12.5°	1304.8	1307.1	1298.4	1276.5	1257.4	1223.9	1200.2	1177.1	1173.7	1173.1	1175.4
15°	1381.0	1382.2	1379.3	1347.0	1323.8	1293.2	1254.5	1225.1	1221.6	1222.2	1219.3
17.5°	1465.9	1468.8	1462.5	1433.6	1403.0	1360.8	1314.6	1278.2	1276.5	1274.8	1262.0
20°	1556.0	1558.9	1554.9	1527.7	1491.4	1438.2	1381.6	1340.0	1339.4	1335.4	1305.9
22.5°	1657.7	1661.7	1659.4	1626.5	1587.8	1530.1	1459.6	1416.3	1415.1	1402.4	1357.9
25°	1768.0	1766.9	1769.2	1733.9	1697.6	1636.9	1549.7	1504.6	1504.6	1489.0	1423.2
27.5°	1874.9	1874.3	1878.3	1853.5	1815.4	1758.2	1653.1	1607.4	1611.5	1589.0	1501.7
30°	1978.8	1978.8	1988.7	1972.5	1944.2	1884.1	1781.3	1733.4	1738.6	1714.9	1601.1
32.5°	2075.9	2080.5	2097.3	2087.4	2066.1	2011.8	1924.0	1880.1	1892.2	1902.0	1785.9
35°	2147.5	2152.1	2190.8	2194.3	2189.1	2152.7	2087.4	2115.7	2130.2	2207.6	2078.2
37.5°	2210.5	2216.2	2262.4	2291.3	2308.1	2285.5	2289.6	2384.3	2411.5	2502.7	2327.7
40°	2256.7	2269.4	2315.0	2354.9	2413.8	2440.3	2506.2	2640.8	2684.7	2721.1	2499.3
42.5°	2224.9	2233.6	2313.8	2420.7	2506.8	2600.3	2707.2	2867.2	2900.1	2888.6	2650.6
45°	2178.1	2188.5	2272.8	2438.0	2580.7	2767.3	2897.8	3071.1	3108.6	3044.5	2781.1
47.5°	2125.6	2140.0	2231.3	2414.9	2642.5	2920.9	3070.5	3246.1	3268.0	3183.7	2890.9
50°	2072.4	2088.6	2192.0	2395.9	2690.4	3049.1	3196.4	3388.8	3395.1	3299.2	2989.6
52.5°	2000.8	2017.5	2130.8	2356.0	2723.9	3133.5	3306.7	3506.0	3510.0	3424.0	3083.2
55°	1910.1	1931.5	2051.0	2297.1	2732.0	3182.6	3376.6	3627.9	3655.0	3559.1	3160.0
57.5°	1803.3	1822.9	1954.6	2212.2	2691.6	3199.3	3474.2	3789.0	3826.6	3696.0	3223.6
60°	1680.2	1702.8	1835.0	2102.4	2610.2	3246.1	3636.0	4016.6	4039.1	3839.3	3279.6
62.5°	1554.3	1570.5	1690.6	1948.2	2483.1	3274.4	3779.2	4230.3	4245.3	3977.3	3313.1
65°	1375.3	1395.5	1512.7	1771.5	2300.0	3220.1	3834.1	4376.4	4385.7	4092.8	3296.9
67.5°	1180.6	1196.8	1282.3	1558.4	2059.7	3048.0	3811.6	4474.1	4503.5	4182.9	3223.6
69°	1042.6	1058.7	1132.7	1388.0	1881.2	2895.5	3779.8	4540.5	4566.5	4176.6	3130.0
70°	935.1	951.3	1021.2	1260.9	1741.5	2766.7	3729.5	4507.0	4523.7	4105.6	3038.7
72.5°	668.9	685.0	742.2	886.6	1319.2	2274.0	3418.2	4135.0	4157.5	3764.2	2715.9
75°	350.0	388.7	491.5	573.0	781.5	1601.1	2841.8	3556.3	3589.2	3303.3	2233.6
77.5°	45.1	47.4	138.6	232.8	322.9	675.2	2018.7	2855.6	2907.6	2643.7	1544.5
80°	36.4	37.0	47.9	116.1	160.6	273.8	716.2	1336.6	1399.5	1174.8	567.8
82.5°	25.4	26.6	37.5	61.2	52.6	99.9	248.9	377.7	389.3	336.7	226.4
85°	14.4	14.4	17.9	23.7	16.8	37.5	51.4	54.9	49.1	48.5	36.4
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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1072.0	1072.0	1072.0	1072.0	1072.0	1072.0	1072.0	1072.0	1072.0	1072.0	1072.0
2.5°	1072.0	1070.9	1071.4	1073.8	1077.2	1089.9	1098.6	1099.7	1103.8	1118.8	1117.1
5°	1090.5	1097.4	1101.5	1113.6	1121.7	1139.0	1149.4	1150.6	1156.3	1171.9	1172.5
7.5°	1116.5	1128.0	1133.8	1147.7	1150.6	1158.7	1161.5	1158.7	1159.2	1173.1	1174.3
10°	1139.0	1153.5	1153.5	1156.9	1151.7	1152.3	1143.1	1134.4	1129.8	1141.9	1144.8
12.5°	1173.7	1177.7	1168.5	1158.1	1142.5	1128.6	1113.0	1099.2	1088.2	1095.1	1091.1
15°	1209.5	1203.1	1180.6	1153.5	1125.7	1102.1	1069.7	1049.5	1030.4	1034.5	1031.0
17.5°	1245.3	1224.5	1189.3	1144.2	1103.8	1058.7	1013.7	981.9	947.3	944.4	939.2
20°	1280.0	1249.9	1191.6	1125.2	1068.6	1005.0	935.1	880.8	829.4	816.1	807.5
22.5°	1321.5	1278.2	1194.5	1106.7	1030.4	943.8	838.1	753.8	698.3	679.8	671.2
25°	1374.7	1317.5	1202.6	1092.8	991.7	868.1	723.1	626.7	566.6	534.9	532.0
27.5°	1437.6	1364.9	1216.4	1074.9	936.9	767.0	604.2	503.7	439.6	407.2	396.8
30°	1520.2	1423.8	1229.1	1061.0	859.5	656.7	479.4	367.4	291.1	270.3	259.3
32.5°	1676.8	1519.7	1245.3	1028.7	768.2	536.0	339.6	226.4	174.4	160.6	160.6
35°	1931.5	1730.5	1285.7	984.2	658.5	390.5	203.9	127.1	104.0	95.9	91.8
37.5°	2161.4	1943.0	1386.8	915.5	525.0	231.0	116.7	78.6	71.0	72.2	72.2
40°	2323.7	2088.6	1498.3	822.5	356.4	123.6	73.9	63.0	64.1	64.7	64.7
42.5°	2462.9	2212.8	1559.5	712.2	194.1	80.3	63.5	57.2	58.9	58.3	57.8
45°	2579.5	2313.8	1579.7	560.3	94.1	71.0	57.8	52.6	52.6	52.0	52.0
47.5°	2679.5	2403.4	1542.2	416.4	76.2	65.3	54.9	48.5	47.9	50.8	50.8
50°	2770.7	2472.7	1448.6	315.4	73.9	60.1	52.0	45.1	45.6	49.7	49.7
52.5°	2847.0	2513.7	1310.0	236.2	68.7	55.4	47.9	42.2	42.2	46.2	46.2
55°	2903.6	2513.7	1204.3	176.7	65.8	50.8	44.5	40.4	38.1	39.3	39.9
57.5°	2931.9	2466.3	1119.4	143.2	62.4	46.2	41.0	35.2	31.2	32.3	31.8
60°	2924.4	2439.2	1021.8	127.6	58.3	42.7	36.4	30.0	26.0	24.8	24.8
62.5°	2910.5	2408.6	899.9	110.9	54.3	39.9	30.0	24.3	21.9	20.8	21.4
65°	2857.9	2309.2	745.7	92.4	50.3	38.7	25.4	21.4	19.1	17.9	17.9
67.5°	2730.9	2130.2	563.7	78.0	46.8	31.2	21.9	18.5	16.2	15.0	15.0
69°	2605.0	1959.2	432.6	71.0	44.5	28.3	20.2	16.8	15.0	13.3	13.3
70°	2496.4	1826.9	339.0	66.4	42.7	27.1	19.6	16.2	14.4	12.7	12.7
72.5°	2125.6	1449.2	172.1	57.8	35.8	23.7	17.3	14.4	12.1	10.4	10.4
75°	1649.0	998.7	113.8	45.6	27.7	21.4	15.6	12.7	10.4	8.7	8.1
77.5°	992.3	390.5	81.4	29.5	17.9	16.8	12.7	10.4	8.7	6.9	6.9
80°	273.8	167.5	54.9	19.6	10.4	11.0	9.2	7.5	6.4	5.2	5.2
82.5°	164.6	108.6	36.4	12.7	6.9	6.9	5.2	5.2	4.0	4.0	4.0
85°	28.3	21.9	8.7	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)