

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: P233719

Luminaire Tested: **VERD-C026-D-U-T3-8027-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233719
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-T3-8027-HSS
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 80 CRI, 2700K, 790mA LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6564 lumens
Efficiency: N/A
Efficacy: 105.9 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

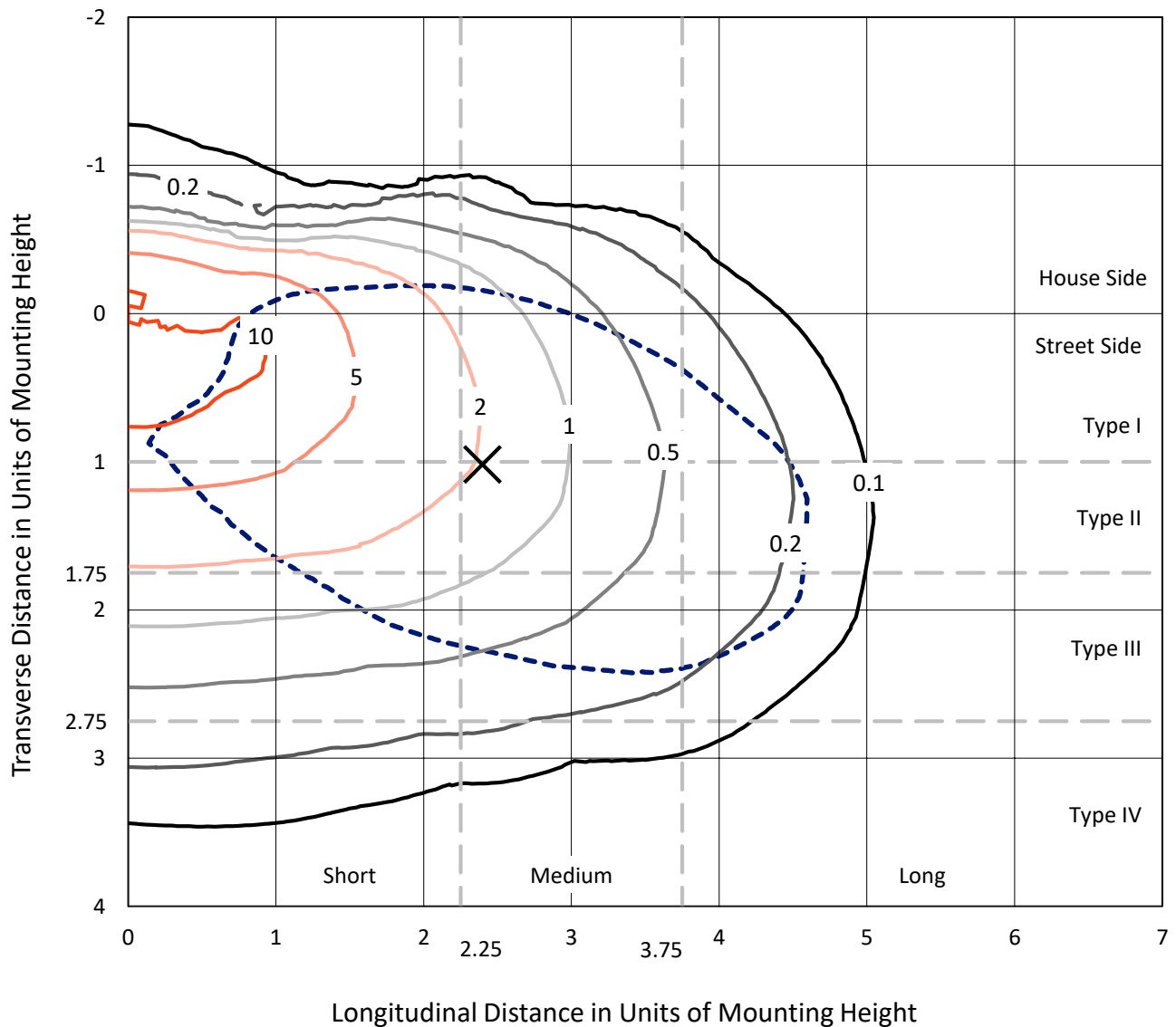
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P233719
 CATALOG NUMBER: VERD-C026-D-U-T3-8027-HSS

Iso-Footcandle Lines of Horizontal Illumination

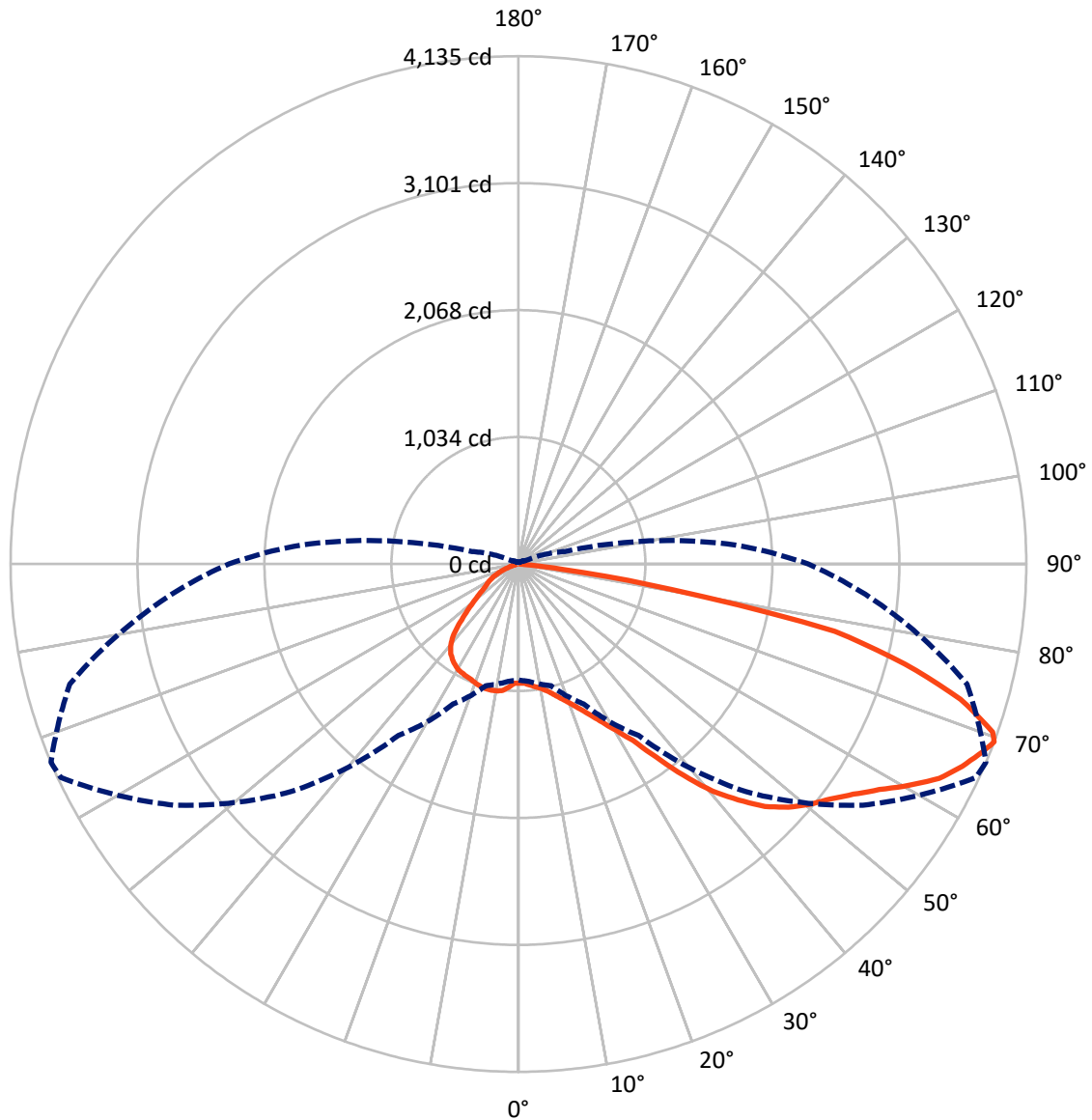
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 fc
 Type III - Medium - Semi-Cutoff

REPORT NUMBER: P233719
CATALOG NUMBER: VERD-C026-D-U-T3-8027-HSS

Luminous Intensity Polar Plot



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



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CATALOG NUMBER: VERD-C026-D-U-T3-8027-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1183.3	0.0	1183.3
	% Fixture	18.0	0.0	18.0
Street Side	Lumens	5380.7	0.0	5380.7
	% Fixture	82.0	0.0	82.0
Total	Lumens	6564.0	0.0	6564.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.0	1.5
10°-20°	308.1	4.7
20°-30°	526.0	8.0
30°-40°	795.3	12.1
40°-50°	1123.5	17.1
50°-60°	1357.7	20.7
60°-70°	1432.7	21.8
70°-80°	862.5	13.1
80°-90°	60.3	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°	6564.0	100.0
0°-180°	6564.0	100.0

Coefficient of Utilization



REPORT NUMBER: P233719

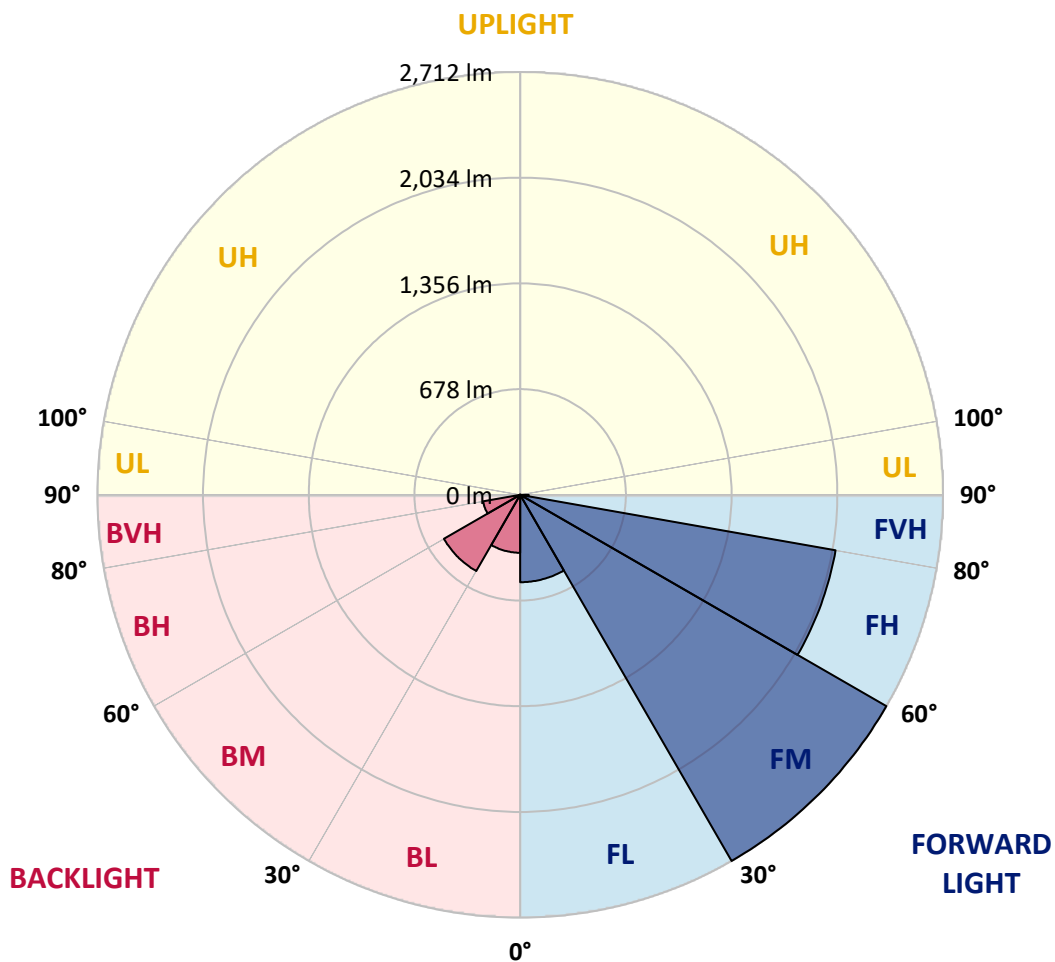
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	560.5	8.5			
FM	(30°-60°)	2711.9	41.3			
FH	(60°-80°)	2053.9	31.3			G2/5000
FVH	(80°-90°)	54.4	0.8			G1/100
BL	(0°-30°)	371.6	5.7	B1/500		
BM	(30°-60°)	564.6	8.6	B1/1000		
BH	(60°-80°)	241.2	3.7	B1/500		G1/500
BVH	(80°-90°)	5.9	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: P233719

CATALOG NUMBER: VERD-C026-D-U-T3-8027-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	970.7	970.7	970.7	970.7	970.7	970.7	970.7	970.7	970.7	970.7	970.7
2.5°	995.8	994.3	994.3	985.4	977.0	974.9	974.4	971.8	972.3	968.6	965.0
5°	1024.6	1024.6	1023.5	1012.0	1003.1	997.4	993.7	989.0	989.5	986.9	983.8
7.5°	1068.0	1068.5	1066.4	1051.3	1042.4	1028.2	1019.9	1011.0	1010.5	1007.3	1008.4
10°	1121.3	1122.9	1119.8	1100.4	1085.3	1065.9	1048.1	1032.4	1031.4	1027.7	1030.9
12.5°	1181.5	1183.6	1175.7	1155.9	1138.6	1108.3	1086.8	1065.9	1062.8	1062.2	1064.3
15°	1250.5	1251.6	1249.0	1219.7	1198.8	1171.0	1136.0	1109.3	1106.2	1106.7	1104.1
17.5°	1327.4	1330.0	1324.3	1298.1	1270.4	1232.2	1190.4	1157.4	1155.9	1154.3	1142.8
20°	1409.0	1411.6	1408.0	1383.4	1350.4	1302.3	1251.1	1213.4	1212.9	1209.2	1182.5
22.5°	1501.1	1504.7	1502.6	1472.8	1437.8	1385.5	1321.7	1282.4	1281.4	1269.9	1229.6
25°	1601.0	1599.9	1602.0	1570.1	1537.1	1482.2	1403.3	1362.5	1362.5	1348.3	1288.7
27.5°	1697.7	1697.2	1700.8	1678.4	1643.8	1592.1	1496.9	1455.6	1459.2	1438.8	1359.8
30°	1791.9	1791.9	1800.7	1786.1	1760.5	1706.1	1613.0	1569.6	1574.3	1552.8	1449.8
32.5°	1879.7	1883.9	1899.1	1890.2	1870.8	1821.7	1742.2	1702.4	1713.4	1722.3	1617.2
35°	1944.6	1948.8	1983.8	1986.9	1982.2	1949.3	1890.2	1915.8	1928.9	1999.0	1881.8
37.5°	2001.6	2006.8	2048.7	2074.8	2090.0	2069.6	2073.2	2159.0	2183.6	2266.2	2107.8
40°	2043.4	2054.9	2096.2	2132.3	2185.7	2209.7	2269.4	2391.2	2431.0	2463.9	2263.1
42.5°	2014.7	2022.5	2095.2	2192.0	2269.9	2354.6	2451.4	2596.2	2626.1	2615.6	2400.1
45°	1972.3	1981.7	2058.1	2207.6	2336.8	2505.8	2624.0	2780.9	2814.9	2756.8	2518.3
47.5°	1924.7	1937.8	2020.4	2186.7	2392.8	2644.9	2780.3	2939.3	2959.2	2882.9	2617.7
50°	1876.6	1891.2	1984.8	2169.5	2436.2	2761.0	2894.4	3068.5	3074.3	2987.5	2707.1
52.5°	1811.7	1826.9	1929.4	2133.4	2466.5	2837.4	2994.3	3174.7	3178.4	3100.4	2791.9
55°	1729.6	1749.0	1857.2	2080.0	2473.9	2881.8	3057.5	3285.1	3309.6	3222.8	2861.4
57.5°	1632.9	1650.6	1769.9	2003.1	2437.3	2897.0	3145.9	3431.0	3465.0	3346.8	2918.9
60°	1521.5	1541.8	1661.6	1903.8	2363.5	2939.3	3292.4	3637.0	3657.4	3476.5	2969.7
62.5°	1407.4	1422.1	1530.9	1764.1	2248.4	2965.0	3422.1	3830.6	3844.2	3601.5	3000.0
65°	1245.3	1263.6	1369.8	1604.1	2082.6	2915.8	3471.8	3962.9	3971.3	3706.1	2985.4
67.5°	1069.0	1083.7	1161.1	1411.1	1865.1	2760.0	3451.4	4051.3	4078.0	3787.7	2918.9
69°	944.0	958.7	1025.6	1256.8	1703.5	2621.9	3422.6	4111.4	4135.0	3781.9	2834.2
70°	846.8	861.4	924.7	1141.7	1576.9	2505.2	3377.1	4081.1	4096.3	3717.6	2751.6
72.5°	605.7	620.3	672.1	802.8	1194.6	2059.1	3095.2	3744.3	3764.7	3408.5	2459.2
75°	316.9	352.0	445.1	518.8	707.6	1449.8	2573.2	3220.2	3250.0	2991.1	2022.5
77.5°	40.8	42.9	125.5	210.8	292.4	611.4	1827.9	2585.8	2632.9	2393.8	1398.5
80°	32.9	33.5	43.4	105.1	145.4	247.9	648.5	1210.3	1267.3	1063.8	514.1
82.5°	23.0	24.1	34.0	55.4	47.6	90.5	225.4	342.1	352.5	304.9	205.0
85°	13.1	13.1	16.2	21.4	15.2	34.0	46.5	49.7	44.5	43.9	32.9
87.5°	3.7	4.2	4.7	3.7	1.6	1.6	2.1	2.1	2.1	1.6	1.6
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: P233719

CATALOG NUMBER: VERD-C026-D-U-T3-8027-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	970.7	970.7	970.7	970.7	970.7	970.7	970.7	970.7	970.7	970.7	970.7
2.5°	970.7	969.7	970.2	972.3	975.4	986.9	994.8	995.8	999.5	1013.1	1011.5
5°	987.5	993.7	997.4	1008.4	1015.7	1031.4	1040.8	1041.8	1047.1	1061.2	1061.7
7.5°	1011.0	1021.4	1026.7	1039.2	1041.8	1049.2	1051.8	1049.2	1049.7	1062.2	1063.3
10°	1031.4	1044.5	1044.5	1047.6	1042.9	1043.4	1035.0	1027.2	1023.0	1034.0	1036.6
12.5°	1062.8	1066.4	1058.1	1048.6	1034.5	1022.0	1007.9	995.3	985.4	991.6	988.0
15°	1095.2	1089.4	1069.0	1044.5	1019.4	997.9	968.6	950.3	933.1	936.7	933.6
17.5°	1127.6	1108.8	1076.9	1036.1	999.5	958.7	917.9	889.1	857.7	855.1	850.4
20°	1159.0	1131.8	1079.0	1018.8	967.6	910.0	846.8	797.6	751.1	739.0	731.2
22.5°	1196.7	1157.4	1081.6	1002.1	933.1	854.6	758.9	682.5	632.3	615.6	607.7
25°	1244.8	1193.0	1088.9	989.5	898.0	786.1	654.8	567.5	513.1	484.3	481.7
27.5°	1301.8	1235.9	1101.5	973.3	848.3	694.6	547.1	456.1	398.0	368.7	359.3
30°	1376.6	1289.2	1113.0	960.8	778.2	594.7	434.1	332.6	263.6	244.8	234.8
32.5°	1518.3	1376.1	1127.6	931.5	695.6	485.4	307.5	205.0	158.0	145.4	145.4
35°	1749.0	1567.0	1164.2	891.2	596.2	353.6	184.6	115.1	94.1	86.8	83.2
37.5°	1957.1	1759.4	1255.8	829.0	475.4	209.2	105.6	71.1	64.3	65.4	65.4
40°	2104.1	1891.2	1356.7	744.8	322.7	111.9	66.9	57.0	58.1	58.6	58.6
42.5°	2230.1	2003.7	1412.1	644.9	175.7	72.7	57.5	51.8	53.3	52.8	52.3
45°	2335.8	2095.2	1430.4	507.3	85.3	64.3	52.3	47.6	47.6	47.1	47.1
47.5°	2426.3	2176.3	1396.5	377.1	69.0	59.1	49.7	43.9	43.4	46.0	46.0
50°	2508.9	2239.0	1311.7	285.6	66.9	54.4	47.1	40.8	41.3	45.0	45.0
52.5°	2577.9	2276.2	1186.2	213.9	62.2	50.2	43.4	38.2	38.2	41.8	41.8
55°	2629.2	2276.2	1090.5	160.0	59.6	46.0	40.3	36.6	34.5	35.6	36.1
57.5°	2654.8	2233.3	1013.6	129.7	56.5	41.8	37.1	31.9	28.2	29.3	28.8
60°	2648.0	2208.7	925.2	115.6	52.8	38.7	32.9	27.2	23.5	22.5	22.5
62.5°	2635.5	2181.0	814.9	100.4	49.2	36.1	27.2	22.0	19.9	18.8	19.4
65°	2587.9	2091.0	675.2	83.7	45.5	35.0	23.0	19.4	17.3	16.2	16.2
67.5°	2472.8	1928.9	510.5	70.6	42.4	28.2	19.9	16.7	14.6	13.6	13.6
69°	2358.8	1774.1	391.7	64.3	40.3	25.6	18.3	15.2	13.6	12.0	12.0
70°	2260.5	1654.3	307.0	60.1	38.7	24.6	17.8	14.6	13.1	11.5	11.5
72.5°	1924.7	1312.2	155.9	52.3	32.4	21.4	15.7	13.1	11.0	9.4	9.4
75°	1493.2	904.3	103.0	41.3	25.1	19.4	14.1	11.5	9.4	7.8	7.3
77.5°	898.5	353.6	73.7	26.7	16.2	15.2	11.5	9.4	7.8	6.3	6.3
80°	247.9	151.7	49.7	17.8	9.4	9.9	8.4	6.8	5.8	4.7	4.7
82.5°	149.1	98.3	32.9	11.5	6.3	6.3	4.7	4.7	3.7	3.7	3.7
85°	25.6	19.9	7.8	4.7	3.7	3.7	2.6	1.6	1.6	1.6	1.6
87.5°	1.6	1.6	1.6	2.1	2.1	1.6	1.0	0.5	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)