

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: P233576

Luminaire Tested: **VERD-C026-D-U-T4-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233576
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-C026-D-U-T4-7030
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 790mA LEDS AND TYPE IV OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7747 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

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

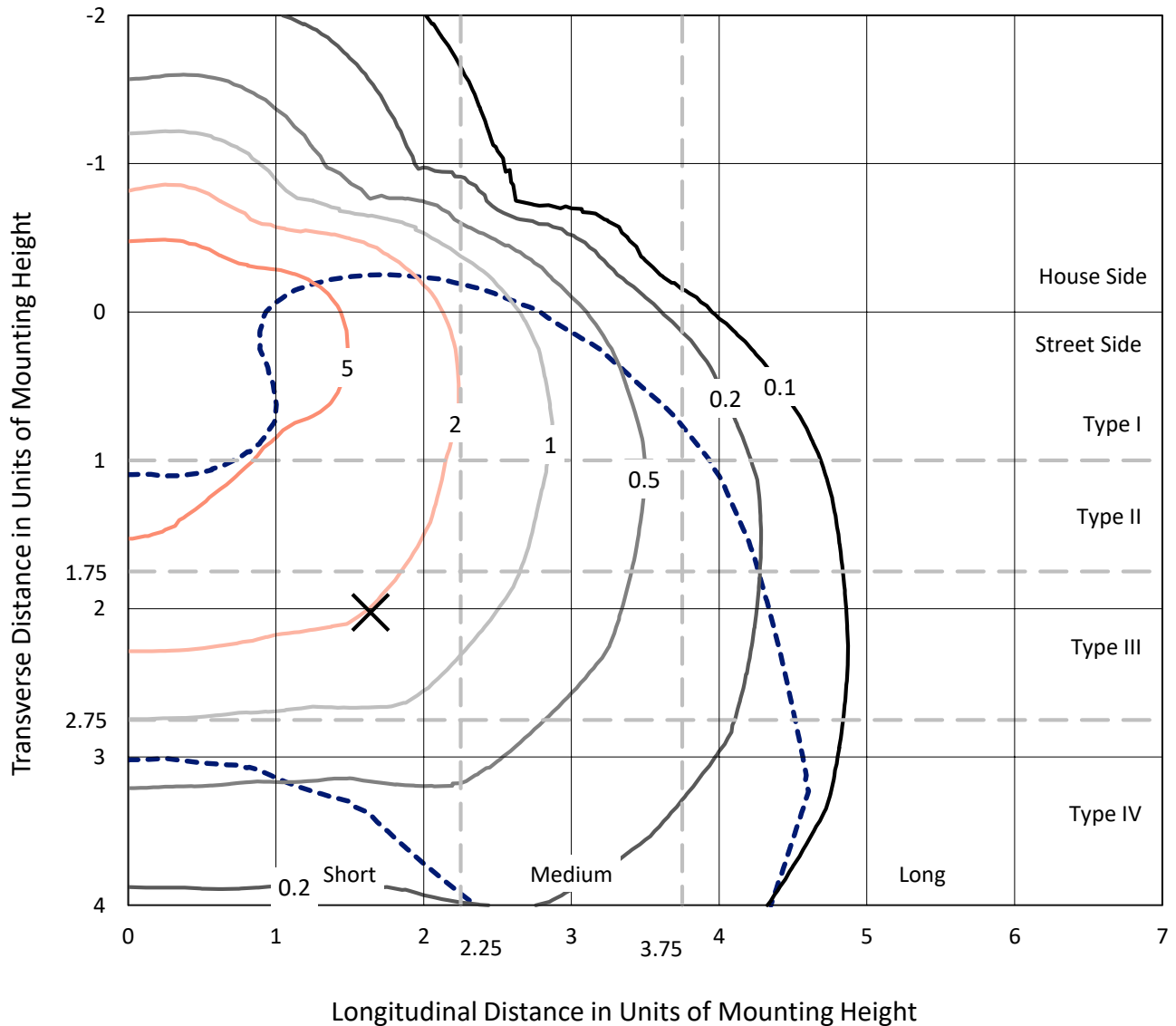


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

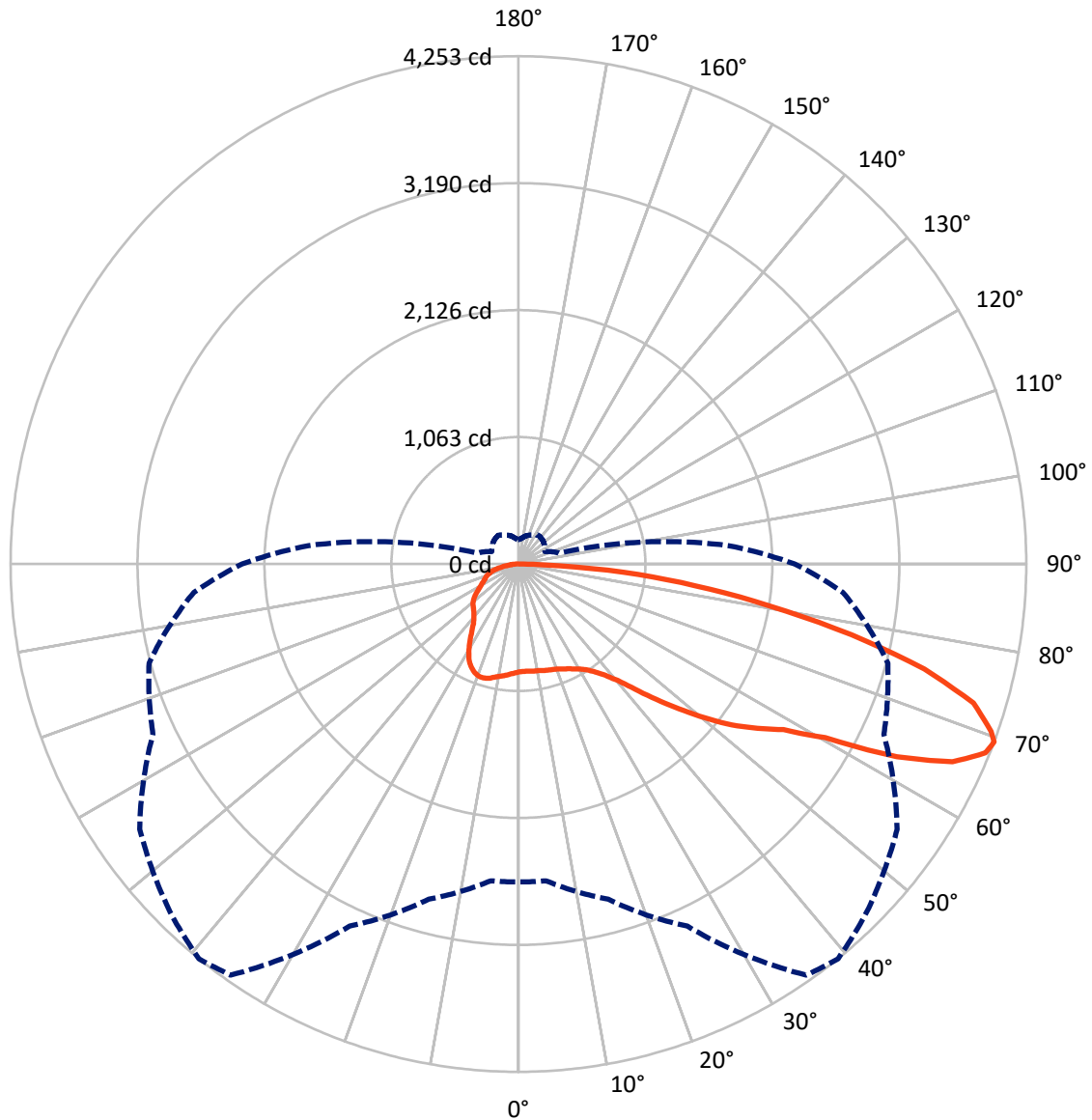


Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
 Type IV - Short - Non-Cutoff

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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
House Side	Lumens	1816.0	0.0	1816.0
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	5931.0	0.0	5931.0
	% Fixture	76.6	0.0	76.6
Total	Lumens	7747.0	0.0	7747.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.7	1.1
10°-20°	271.0	3.5
20°-30°	456.3	5.9
30°-40°	661.0	8.5
40°-50°	1068.5	13.8
50°-60°	1564.3	20.2
60°-70°	1957.9	25.3
70°-80°	1399.7	18.1
80°-90°	280.6	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°	7747.0	100.0
0°-180°	7747.0	100.0



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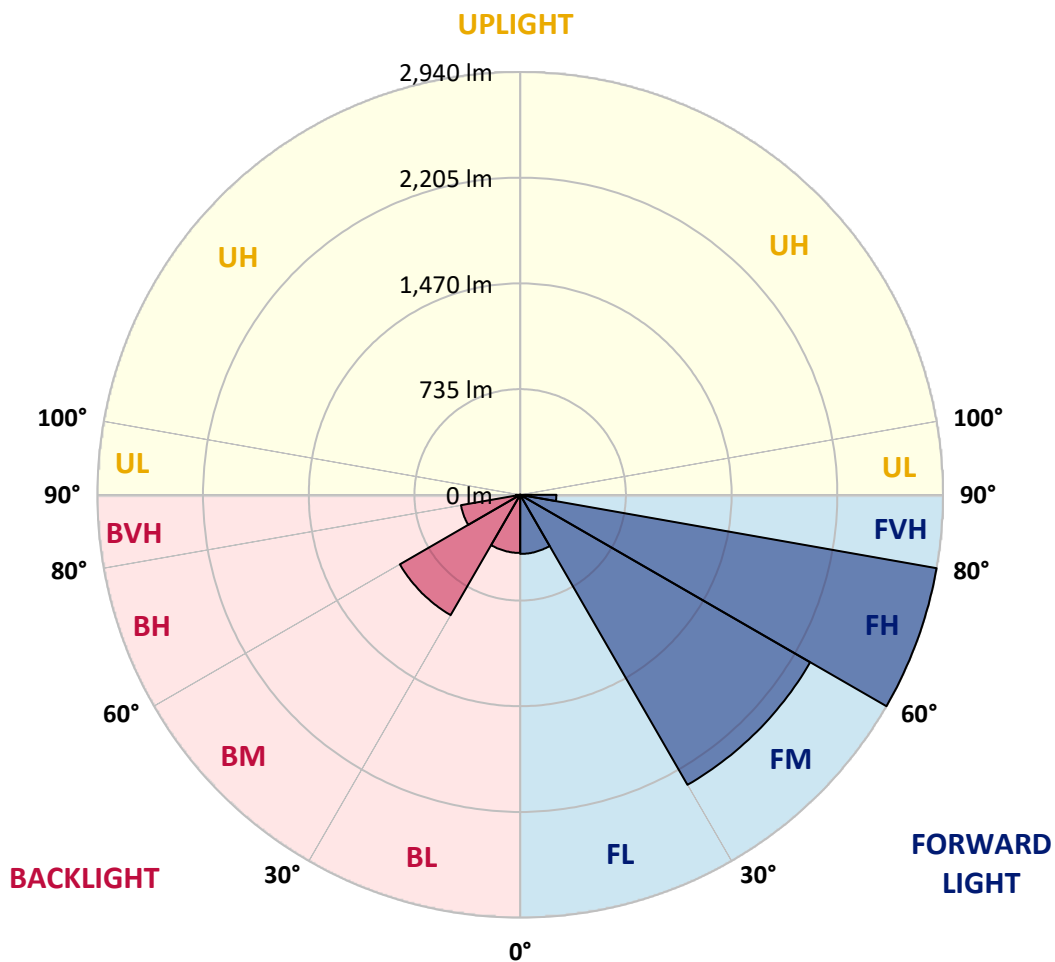
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	411.0	5.3			
FM (30°-60°)	2328.1	30.1			
FH (60°-80°)	2940.0	37.9			G2/5000
FVH (80°-90°)	252.0	3.3			G3/500
BL (0°-30°)	404.0	5.2	B1/500		
BM (30°-60°)	965.7	12.5	B1/1000		
BH (60°-80°)	417.6	5.4	B1/500		G1/500
BVH (80°-90°)	28.7	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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	902.4	902.4	902.4	902.4	902.4	902.4	902.4	902.4	902.4	902.4	902.4
2.5°	918.1	916.7	913.8	902.4	900.9	900.2	901.7	897.4	896.7	898.1	896.7
5°	918.8	917.4	913.8	903.8	902.4	900.9	901.7	898.1	898.8	902.4	902.4
7.5°	920.2	918.8	915.2	904.5	907.4	905.9	908.8	903.8	903.8	906.7	907.4
10°	916.7	915.9	913.8	905.9	910.2	907.4	910.2	910.9	913.8	915.9	915.2
12.5°	907.4	907.4	907.4	903.8	915.9	915.2	920.2	925.2	932.4	935.9	938.1
15°	901.7	900.9	905.9	905.2	920.2	922.4	930.9	943.8	954.5	963.8	966.6
17.5°	907.4	907.4	913.8	912.4	927.4	928.8	938.1	956.6	974.5	992.3	1000.2
20°	913.8	914.5	922.4	924.5	938.8	938.1	947.4	970.2	994.5	1020.9	1034.4
22.5°	933.8	933.1	939.5	935.2	951.6	954.5	962.3	982.3	1016.6	1050.2	1072.3
25°	948.8	950.9	957.3	954.5	968.1	971.6	984.5	1003.7	1044.4	1084.4	1123.7
27.5°	963.1	967.3	972.3	971.6	990.2	994.5	1004.5	1034.4	1081.6	1129.4	1184.4
30°	984.5	983.0	986.6	993.0	1017.3	1020.2	1032.3	1068.7	1125.8	1187.9	1261.5
32.5°	1013.0	1011.6	1015.2	1020.9	1050.2	1057.3	1073.7	1113.0	1185.1	1260.0	1350.0
35°	1058.0	1061.6	1064.4	1071.6	1100.1	1110.1	1132.3	1182.2	1265.8	1385.7	1514.2
37.5°	1214.4	1206.5	1190.8	1162.2	1170.1	1181.5	1212.9	1284.3	1405.7	1609.1	1726.9
40°	1458.5	1449.2	1400.0	1316.4	1278.6	1281.5	1312.2	1409.2	1574.9	1871.9	1980.4
42.5°	1688.4	1677.0	1618.4	1514.2	1439.2	1430.7	1433.5	1545.6	1760.5	2134.6	2192.4
45°	1905.4	1911.1	1821.9	1741.9	1656.3	1617.0	1604.9	1688.4	1966.8	2362.3	2380.2
47.5°	2113.2	2117.4	2016.8	1939.7	1856.9	1811.2	1787.6	1852.6	2156.7	2546.5	2530.1
50°	2325.2	2336.6	2198.8	2133.1	2056.8	2023.9	2001.1	2043.9	2366.6	2722.8	2672.1
52.5°	2624.3	2576.5	2395.9	2303.1	2248.8	2238.8	2215.2	2250.2	2589.3	2878.5	2772.8
55°	2957.0	2854.9	2665.0	2502.9	2428.0	2428.0	2407.3	2448.0	2819.2	2994.8	2854.9
57.5°	3064.8	3074.8	3009.1	2832.8	2631.5	2615.7	2595.8	2651.4	3016.2	3099.1	2885.6
60°	3253.3	3281.1	3331.8	3184.7	3085.5	2952.0	2830.6	2860.6	3186.2	3184.7	2918.4
62.5°	3346.8	3373.2	3531.7	3452.4	3546.0	3555.2	3328.2	3096.9	3311.8	3227.6	2934.1
65°	3258.3	3276.8	3488.1	3592.4	3863.7	3992.9	3880.8	3414.6	3378.2	3209.7	2875.6
67.5°	2967.7	3002.7	3177.6	3495.3	4147.1	4219.2	4114.2	3850.8	3406.8	3215.4	2828.5
69°	2662.1	2662.9	2905.6	3346.1	4202.8	4252.7	4124.2	3871.5	3376.8	3201.9	2727.8
70°	2490.1	2507.9	2687.8	3216.9	4182.1	4198.5	4100.0	3870.8	3356.1	3197.6	2632.2
72.5°	1943.2	1934.0	2113.2	2690.0	3947.9	3984.3	3875.8	3761.6	3338.9	3013.4	2226.7
75°	1358.6	1387.1	1562.7	2038.2	3401.8	3511.0	3511.0	3613.8	3073.4	2575.1	1609.9
77.5°	1010.9	1015.2	1155.8	1557.0	2737.1	2850.6	2954.8	3041.2	2402.3	1764.1	719.6
80°	684.6	691.1	819.6	1148.7	2028.2	2132.4	2297.3	2092.5	1429.2	610.4	82.1
82.5°	431.2	439.8	541.9	806.7	1445.7	1492.8	1543.5	1181.5	476.2	70.7	52.1
85°	256.3	257.7	327.0	515.4	881.7	884.5	830.3	544.0	127.8	42.1	32.8
87.5°	107.1	112.8	142.8	228.4	258.4	204.2	127.1	43.5	19.3	17.1	11.4
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°	902.4	902.4	902.4	902.4	902.4	902.4	902.4	902.4	902.4	902.4	902.4
2.5°	892.4	900.2	898.8	900.9	903.8	909.5	915.9	913.1	916.7	924.5	924.5
5°	900.2	906.7	908.8	913.1	916.7	922.4	926.6	925.2	933.1	944.5	944.5
7.5°	906.7	911.7	918.8	923.8	927.4	938.8	943.1	940.2	945.9	959.5	960.2
10°	915.9	920.9	931.6	936.6	943.8	949.5	955.2	954.5	960.2	972.3	974.5
12.5°	938.8	942.4	957.3	964.5	964.5	971.6	967.3	960.2	963.1	970.2	971.6
15°	968.8	973.8	993.0	996.6	993.0	994.5	984.5	961.6	950.2	952.3	953.1
17.5°	1003.0	1011.6	1033.7	1028.7	1024.5	1013.7	988.0	953.8	919.5	906.7	908.8
20°	1039.4	1050.2	1075.9	1065.1	1049.4	1021.6	980.2	921.7	868.8	838.1	836.7
22.5°	1081.6	1095.1	1119.4	1100.8	1065.9	1017.3	953.8	882.4	815.3	767.4	764.6
25°	1139.4	1154.4	1163.0	1125.8	1068.7	1001.6	915.9	828.8	744.6	687.5	683.2
27.5°	1205.1	1212.9	1195.8	1140.1	1055.2	968.1	868.8	761.0	668.2	621.1	614.7
30°	1277.9	1271.5	1217.9	1133.0	1020.2	915.2	795.3	674.6	600.4	562.6	556.8
32.5°	1362.1	1342.1	1235.1	1113.0	973.8	846.0	715.3	619.7	560.4	522.6	519.7
35°	1500.6	1443.5	1262.9	1082.3	912.4	764.6	641.8	572.6	526.1	479.0	471.9
37.5°	1701.2	1593.4	1303.6	1053.7	846.0	686.1	586.1	534.7	494.0	441.2	431.2
40°	1909.7	1769.8	1370.7	1022.3	783.9	628.2	555.4	519.0	479.0	429.1	415.5
42.5°	2100.3	1937.5	1449.2	983.0	718.9	581.8	540.4	514.7	474.7	427.6	416.9
45°	2273.1	2095.3	1529.9	938.1	647.5	544.7	528.3	506.9	466.2	421.2	412.6
47.5°	2418.7	2229.5	1611.3	886.0	579.0	521.9	515.4	492.6	454.8	411.2	404.1
50°	2539.4	2325.9	1657.7	831.0	522.6	504.7	496.9	468.3	429.8	389.1	384.8
52.5°	2628.6	2385.9	1699.8	801.7	478.3	476.9	471.9	444.0	406.9	364.8	356.2
55°	2690.7	2435.1	1681.2	778.9	431.2	441.9	439.1	421.9	390.5	341.2	334.1
57.5°	2694.3	2439.4	1641.3	643.2	384.8	399.8	404.8	407.6	372.7	329.1	320.5
60°	2690.7	2408.0	1567.0	471.9	339.8	357.7	376.2	376.2	352.0	309.1	302.7
62.5°	2674.3	2345.9	1394.3	336.2	304.1	327.7	352.0	341.2	320.5	286.3	279.9
65°	2599.3	2242.4	1090.8	274.1	289.1	310.5	322.0	307.0	280.6	244.9	242.0
67.5°	2463.0	2005.4	631.1	251.3	276.3	295.6	304.8	282.0	257.0	222.7	221.3
69°	2313.0	1765.5	355.5	245.6	268.4	285.6	293.4	268.4	244.2	211.3	204.9
70°	2178.8	1551.3	231.3	240.6	260.6	279.1	284.8	259.1	236.3	202.7	198.5
72.5°	1650.5	934.5	155.6	219.9	239.2	253.4	262.0	237.7	212.0	178.5	169.9
75°	901.7	254.1	137.1	188.5	212.7	232.0	234.2	203.5	166.3	132.1	128.5
77.5°	175.6	87.1	117.8	155.6	169.2	192.0	190.6	169.9	144.2	112.1	107.8
80°	66.4	62.8	98.5	111.4	119.2	143.5	152.1	137.1	119.9	76.4	65.7
82.5°	45.0	46.4	73.5	65.7	72.8	85.0	107.1	104.2	94.9	52.1	46.4
85°	31.4	36.4	40.7	27.8	35.7	53.5	70.7	68.5	58.5	36.4	32.8
87.5°	9.3	10.0	11.4	14.3	22.1	40.0	57.8	47.8	32.1	27.1	23.6
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)