

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: P507666

Luminaire Tested: **VERD-S-CA1-70-722-U-T3-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-70-722-U-T3-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 1330mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7478 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

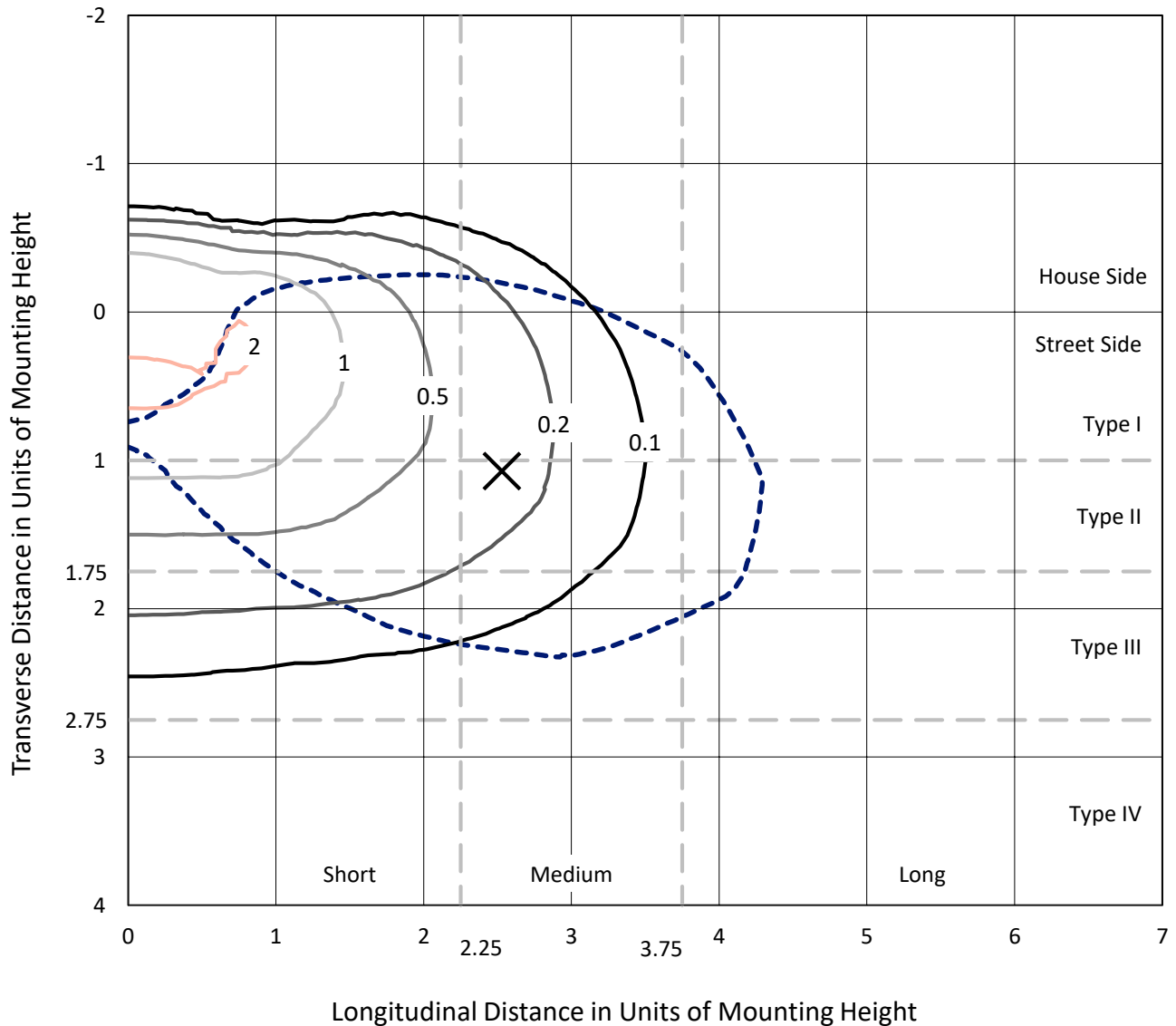
Input Watts (W): 73.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

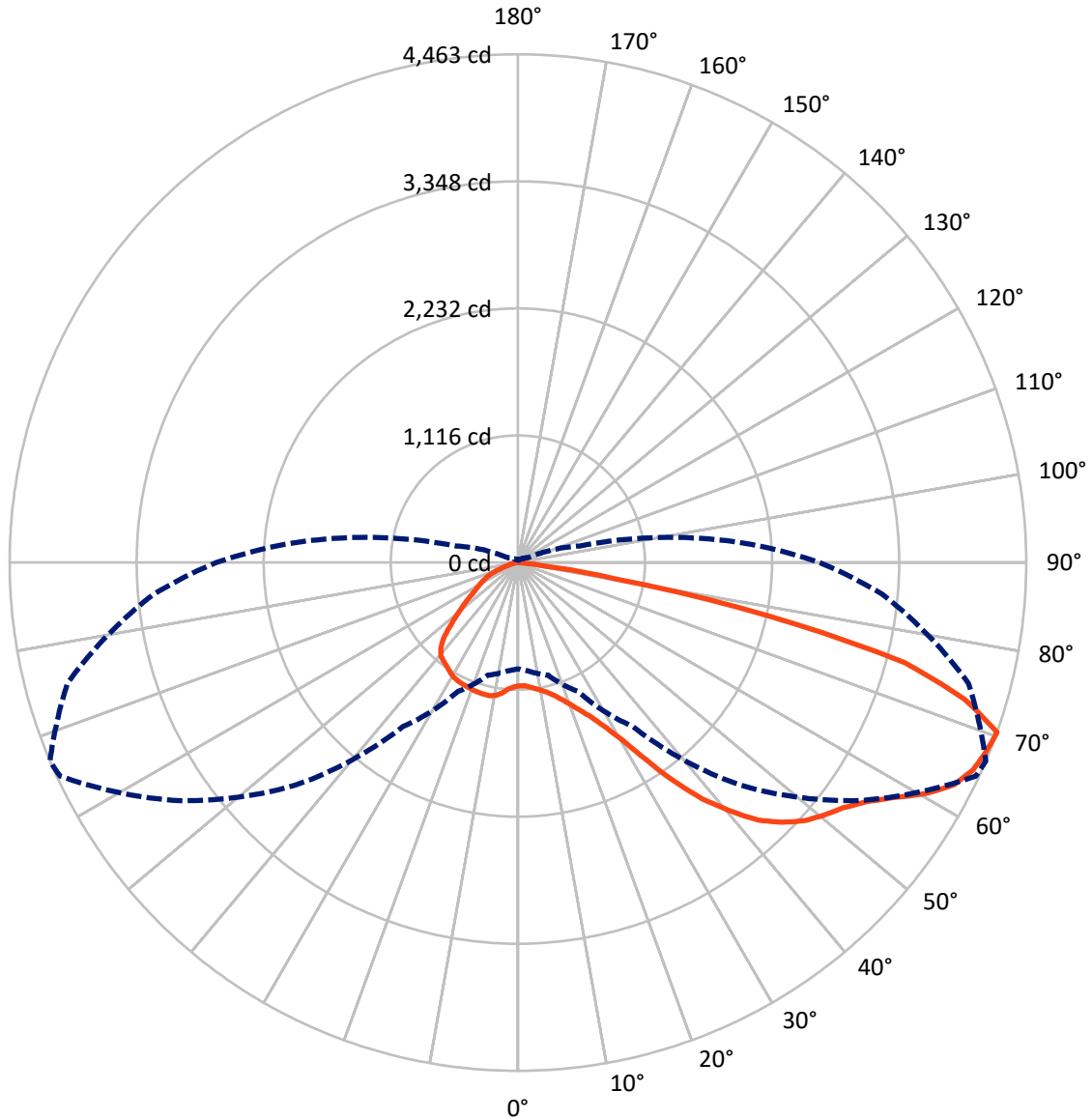
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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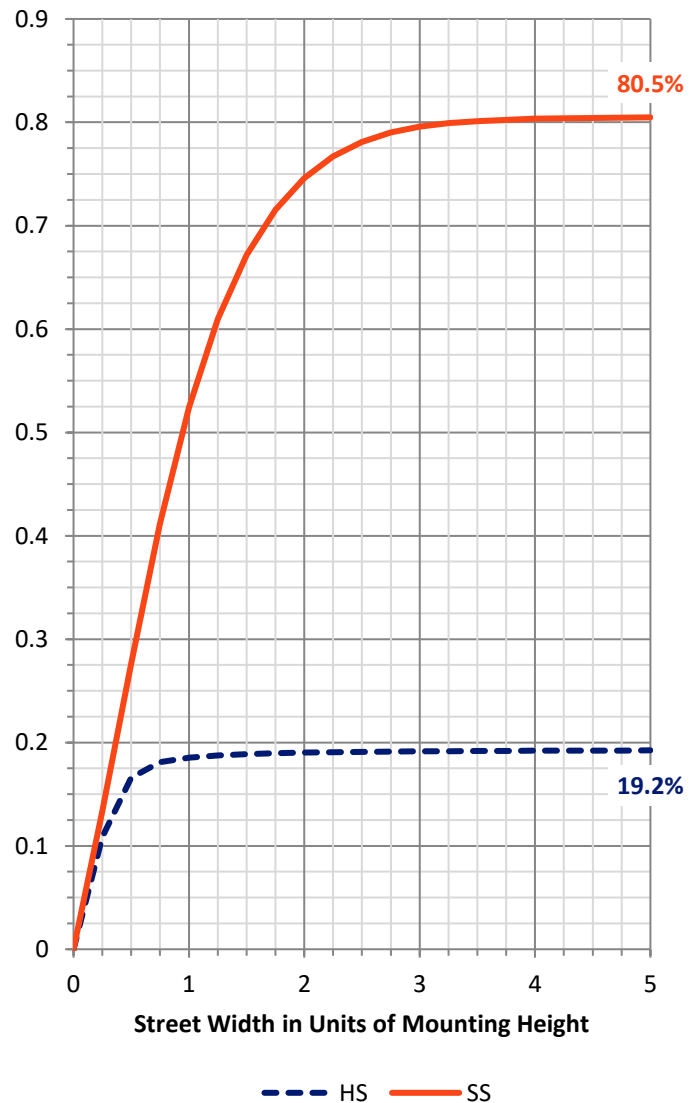
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1457.3	0.0	1457.3
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	6020.7	0.0	6020.7
	% Fixture	80.5	0.0	80.5
Total	Lumens	7478.0	0.0	7478.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.0	1.5
10°-20°	345.2	4.6
20°-30°	599.9	8.0
30°-40°	939.4	12.6
40°-50°	1321.8	17.7
50°-60°	1576.5	21.1
60°-70°	1633.5	21.8
70°-80°	901.4	12.1
80°-90°	51.3	0.7
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°	7478.0	100.0
0°-180°	7478.0	100.0



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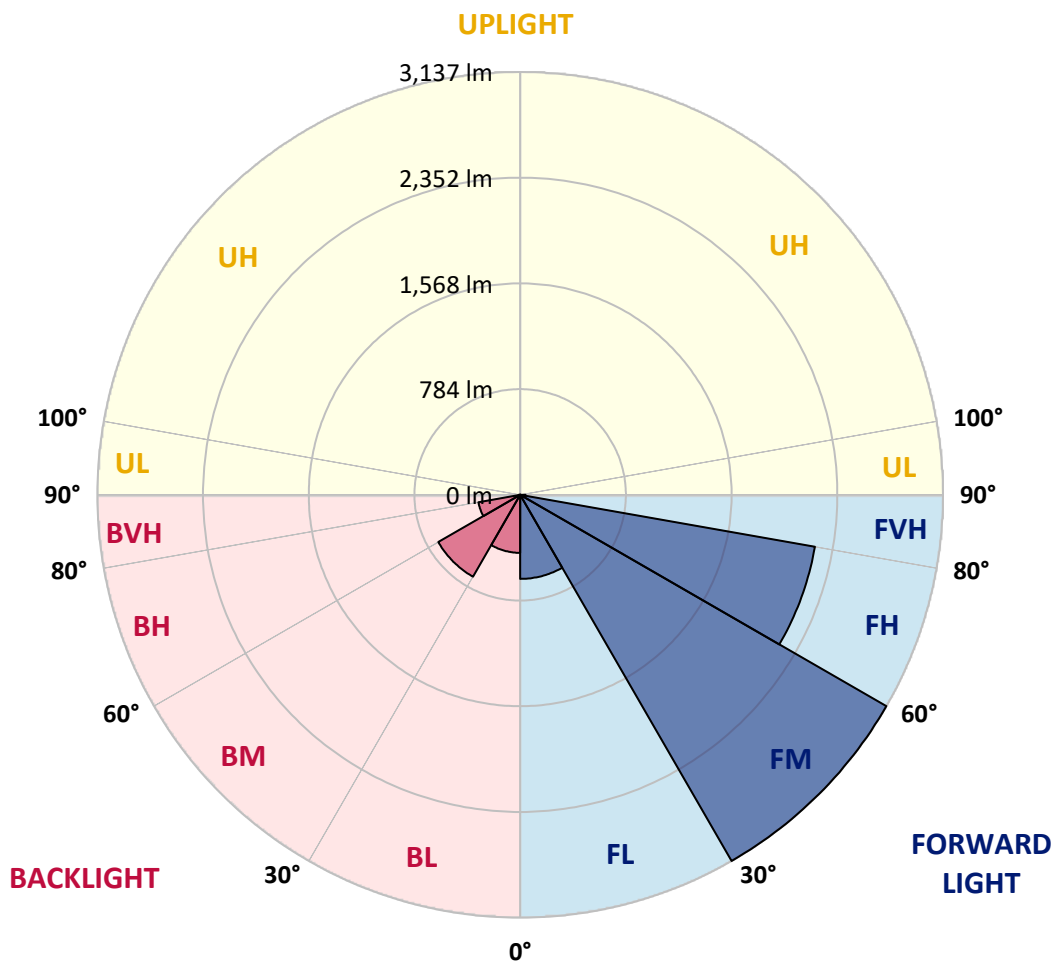
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	623.8	8.3			
FM (30°-60°)	3136.6	41.9			
FH (60°-80°)	2220.4	29.7			G2/5000
FVH (80°-90°)	39.9	0.5			G1/100
BL (0°-30°)	430.3	5.8	B1/500		
BM (30°-60°)	701.0	9.4	B1/1000		
BH (60°-80°)	314.6	4.2	B1/500		G1/500
BVH (80°-90°)	11.4	0.2			G1/100
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°	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9
2.5°	1089.8	1089.8	1089.8	1087.5	1087.5	1087.5	1085.2	1082.9	1082.9	1082.9	1085.2
5°	1119.3	1119.3	1117.0	1114.7	1112.5	1105.6	1101.1	1098.8	1098.8	1096.6	1101.1
7.5°	1155.6	1155.6	1155.6	1151.1	1144.2	1135.2	1126.1	1119.3	1117.0	1114.7	1117.0
10°	1210.1	1210.1	1205.5	1198.7	1187.4	1173.8	1157.9	1144.2	1142.0	1137.4	1142.0
12.5°	1280.5	1273.6	1269.1	1257.8	1244.1	1221.4	1196.5	1176.0	1171.5	1166.9	1182.8
15°	1353.1	1350.8	1339.5	1332.7	1310.0	1280.5	1246.4	1219.2	1214.6	1205.5	1219.2
17.5°	1439.4	1441.7	1437.1	1425.8	1394.0	1350.8	1310.0	1271.4	1266.8	1260.0	1266.8
20°	1557.4	1552.9	1543.8	1527.9	1491.6	1434.8	1382.6	1339.5	1332.7	1328.1	1321.3
22.5°	1675.5	1677.8	1659.6	1643.7	1598.3	1543.8	1473.4	1421.2	1412.1	1409.9	1378.1
25°	1789.0	1793.6	1786.7	1766.3	1727.7	1657.3	1580.1	1516.6	1505.2	1503.0	1448.5
27.5°	1907.1	1909.3	1916.2	1907.1	1866.2	1793.6	1707.3	1634.6	1634.6	1616.5	1534.7
30°	2020.6	2025.1	2029.7	2029.7	2009.2	1945.7	1870.7	1807.2	1807.2	1793.6	1652.8
32.5°	2109.1	2111.4	2138.6	2161.3	2161.3	2115.9	2066.0	2059.2	2056.9	2081.9	1923.0
35°	2188.6	2195.4	2234.0	2295.3	2320.3	2302.1	2304.4	2329.3	2354.3	2415.6	2295.3
37.5°	2247.6	2256.7	2293.0	2363.4	2433.8	2481.5	2526.9	2595.0	2633.6	2726.7	2560.9
40°	2263.5	2274.9	2352.1	2451.9	2565.5	2674.4	2756.2	2840.2	2865.1	2931.0	2722.1
42.5°	2213.6	2224.9	2322.5	2524.6	2683.5	2853.8	2942.3	3049.0	3092.2	3067.2	2856.1
45°	2179.5	2186.3	2288.5	2517.8	2785.7	3028.6	3114.9	3226.1	3253.4	3194.3	2967.3
47.5°	2136.4	2143.2	2249.9	2508.7	2869.7	3178.4	3237.5	3360.1	3387.3	3296.5	3062.7
50°	2072.8	2077.3	2199.9	2490.5	2924.2	3285.2	3351.0	3473.6	3484.9	3391.9	3153.5
52.5°	1995.6	2009.2	2127.3	2447.4	2962.8	3351.0	3430.5	3562.1	3578.0	3514.5	3253.4
55°	1891.2	1907.1	2043.3	2383.8	2949.1	3373.7	3466.8	3680.2	3707.4	3655.2	3337.4
57.5°	1784.5	1807.2	1941.1	2295.3	2894.7	3407.8	3587.1	3855.0	3891.3	3793.7	3405.5
60°	1675.5	1684.6	1823.1	2175.0	2803.8	3441.8	3723.3	4084.3	4118.4	3929.9	3460.0
62.5°	1550.6	1562.0	1684.6	2009.2	2647.2	3410.0	3825.5	4277.3	4297.7	4043.4	3482.7
65°	1405.3	1405.3	1509.8	1807.2	2436.1	3296.5	3839.1	4377.2	4390.8	4116.1	3455.4
67.5°	1203.3	1212.4	1296.4	1557.4	2152.3	3074.0	3761.9	4399.9	4433.9	4161.5	3380.5
70°	933.1	953.5	1023.9	1248.7	1757.2	2765.3	3646.1	4436.2	4463.4	4095.7	3212.5
72.5°	638.0	658.4	722.0	855.9	1266.8	2218.1	3298.8	4093.4	4100.2	3775.5	2885.6
75°	168.0	186.2	236.1	342.8	531.3	1491.6	2638.1	3466.8	3507.6	3264.7	2381.6
77.5°	49.9	49.9	61.3	79.5	109.0	304.2	1341.8	2209.0	2249.9	2152.3	1484.8
80°	38.6	38.6	45.4	54.5	70.4	156.7	465.4	815.0	865.0	924.0	613.0
82.5°	25.0	27.2	29.5	31.8	31.8	63.6	124.9	208.9	206.6	224.8	197.5
85°	15.9	15.9	13.6	13.6	11.4	15.9	11.4	13.6	15.9	15.9	18.2
87.5°	2.3	0.0	0.0	0.0	0.0	2.3	2.3	4.5	4.5	4.5	6.8
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°	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9
2.5°	1087.5	1089.8	1092.0	1094.3	1098.8	1098.8	1101.1	1101.1	1101.1	1101.1	1101.1
5°	1101.1	1103.4	1110.2	1117.0	1132.9	1142.0	1151.1	1157.9	1157.9	1162.4	1162.4
7.5°	1121.5	1128.3	1148.8	1157.9	1171.5	1185.1	1191.9	1194.2	1198.7	1198.7	1198.7
10°	1155.6	1162.4	1178.3	1185.1	1191.9	1191.9	1189.6	1187.4	1180.6	1178.3	1180.6
12.5°	1187.4	1196.5	1196.5	1194.2	1187.4	1178.3	1166.9	1155.6	1144.2	1135.2	1135.2
15°	1226.0	1221.4	1207.8	1189.6	1171.5	1148.8	1126.1	1105.6	1087.5	1080.7	1080.7
17.5°	1260.0	1248.7	1219.2	1185.1	1146.5	1110.2	1073.9	1039.8	1008.0	996.7	989.9
20°	1300.9	1280.5	1228.2	1176.0	1121.5	1064.8	1003.5	942.2	887.7	865.0	862.7
22.5°	1348.6	1314.5	1241.9	1162.4	1089.8	1003.5	901.3	815.0	760.6	733.3	728.8
25°	1405.3	1355.4	1255.5	1151.1	1051.2	924.0	787.8	690.2	622.1	592.6	581.2
27.5°	1475.7	1409.9	1273.6	1137.4	992.1	826.4	672.0	558.5	483.6	447.3	442.7
30°	1566.5	1475.7	1291.8	1117.0	919.5	712.9	547.1	420.0	345.1	308.8	299.7
32.5°	1775.4	1609.7	1314.5	1082.9	828.7	603.9	413.2	281.5	206.6	172.5	170.3
35°	2129.6	1911.6	1366.7	1037.5	737.9	474.5	265.6	149.8	111.2	97.6	97.6
37.5°	2395.2	2163.6	1507.5	978.5	619.8	317.8	136.2	88.5	70.4	68.1	68.1
40°	2554.1	2313.5	1661.9	912.7	479.0	170.3	84.0	68.1	63.6	61.3	61.3
42.5°	2685.8	2438.3	1734.5	830.9	304.2	95.4	70.4	63.6	59.0	56.8	56.8
45°	2794.8	2533.7	1743.6	726.5	170.3	79.5	65.8	56.8	54.5	52.2	52.2
47.5°	2881.0	2615.4	1720.9	578.9	106.7	74.9	61.3	52.2	47.7	47.7	47.7
50°	2962.8	2685.8	1657.3	456.3	99.9	70.4	56.8	47.7	45.4	45.4	45.4
52.5°	3037.7	2735.7	1550.6	367.8	93.1	65.8	54.5	45.4	40.9	43.1	43.1
55°	3099.0	2756.2	1441.7	283.8	88.5	63.6	52.2	43.1	38.6	38.6	38.6
57.5°	3133.0	2713.0	1350.8	215.7	86.3	61.3	49.9	40.9	34.1	31.8	31.8
60°	3135.3	2656.3	1266.8	181.6	81.7	56.8	47.7	36.3	29.5	27.2	27.2
62.5°	3094.4	2588.2	1139.7	156.7	77.2	54.5	43.1	34.1	27.2	25.0	25.0
65°	3015.0	2467.8	998.9	133.9	74.9	54.5	38.6	31.8	27.2	22.7	22.7
67.5°	2887.8	2268.1	810.5	118.1	70.4	49.9	38.6	29.5	25.0	22.7	22.7
70°	2647.2	1982.0	560.8	102.2	65.8	45.4	36.3	29.5	25.0	20.4	20.4
72.5°	2281.7	1609.7	277.0	84.0	56.8	45.4	36.3	27.2	22.7	20.4	20.4
75°	1764.0	1153.3	168.0	68.1	45.4	40.9	34.1	27.2	22.7	18.2	18.2
77.5°	1037.5	513.1	120.3	52.2	34.1	31.8	29.5	25.0	20.4	18.2	18.2
80°	379.1	218.0	88.5	40.9	27.2	27.2	22.7	20.4	18.2	15.9	15.9
82.5°	147.6	115.8	59.0	29.5	22.7	20.4	18.2	15.9	13.6	13.6	13.6
85°	20.4	20.4	20.4	15.9	13.6	13.6	11.4	11.4	9.1	9.1	9.1
87.5°	6.8	6.8	6.8	9.1	6.8	6.8	4.5	4.5	4.5	6.8	6.8
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)