

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: P507618

Luminaire Tested: **VERD-S-CA1-60-722-U-T3-HSS**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507618  
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-CA1-60-722-U-T3-HSS  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2200K, 1150mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6605 lumens  
Efficiency: N/A  
Efficacy: 104.3 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

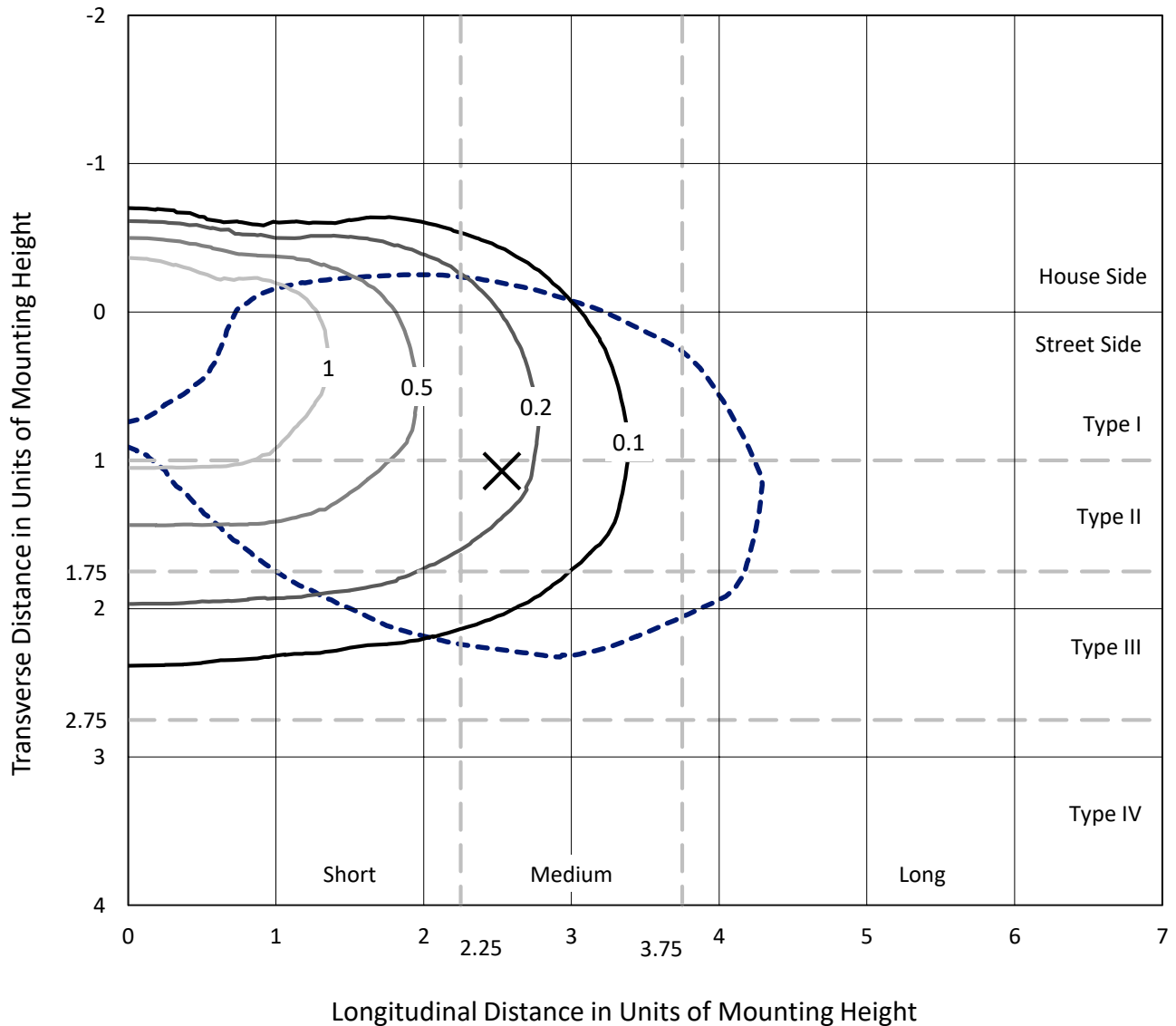
Input Watts (W): 63.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

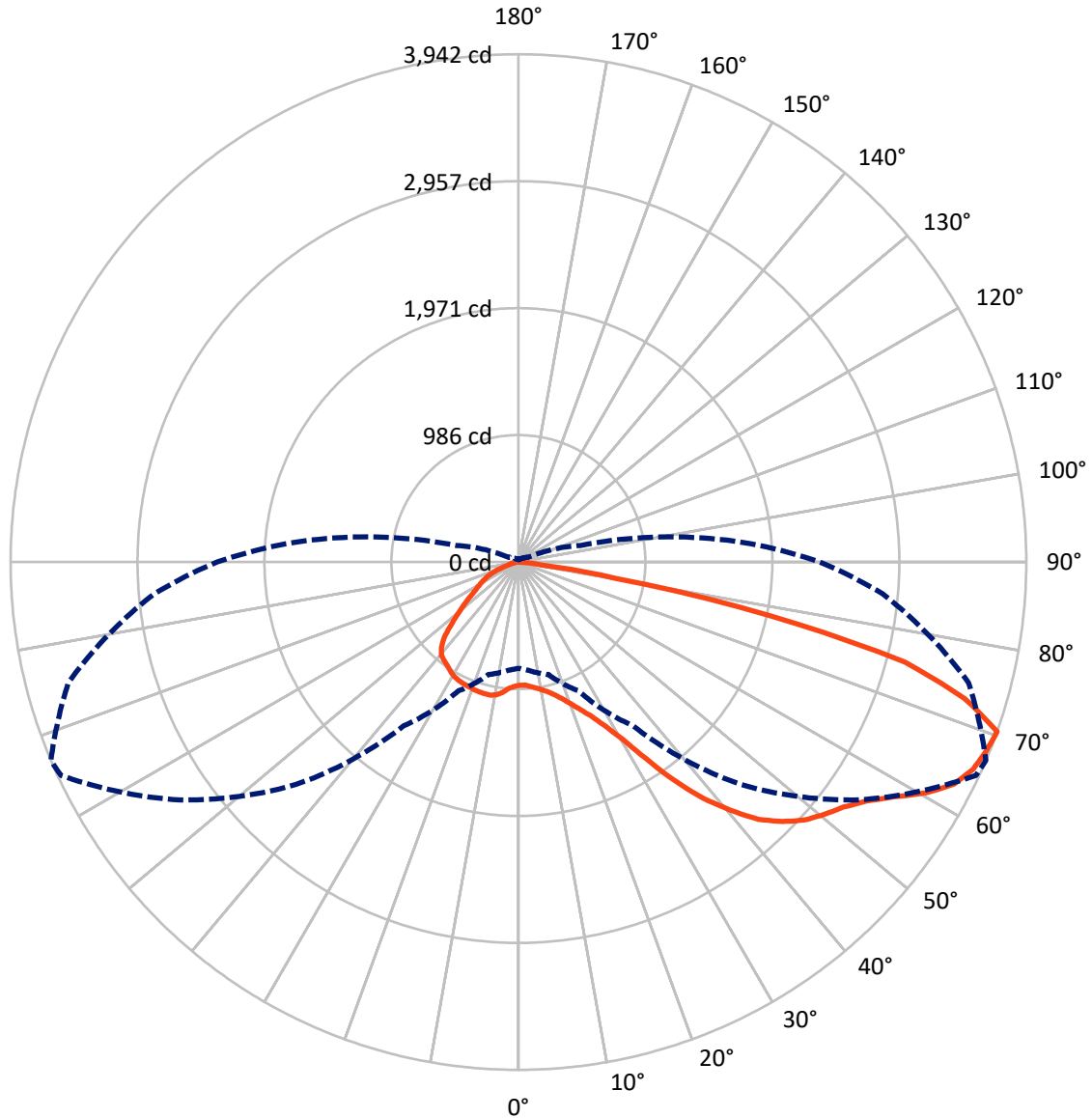
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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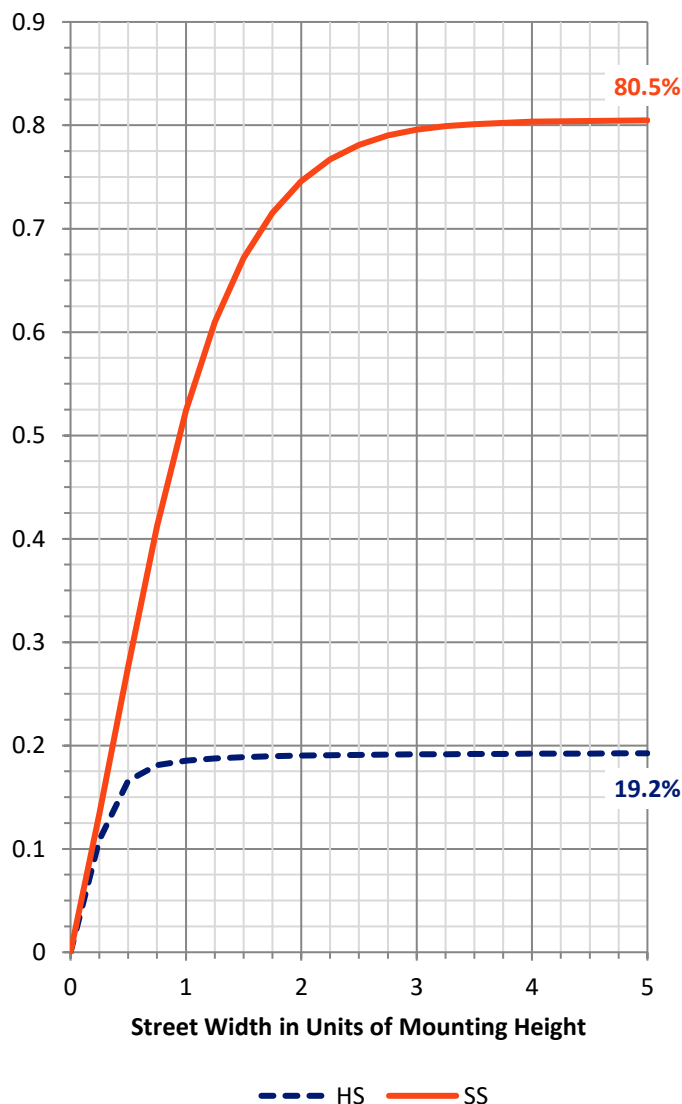
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1287.2	0.0	1287.2
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	5317.8	0.0	5317.8
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	6605.0	0.0	6605.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.3	1.5
10°-20°	304.9	4.6
20°-30°	529.9	8.0
30°-40°	829.7	12.6
40°-50°	1167.5	17.7
50°-60°	1392.4	21.1
60°-70°	1442.8	21.8
70°-80°	796.2	12.1
80°-90°	45.3	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°	6605.0	100.0
0°-180°	6605.0	100.0

**Coefficient of Utilization**



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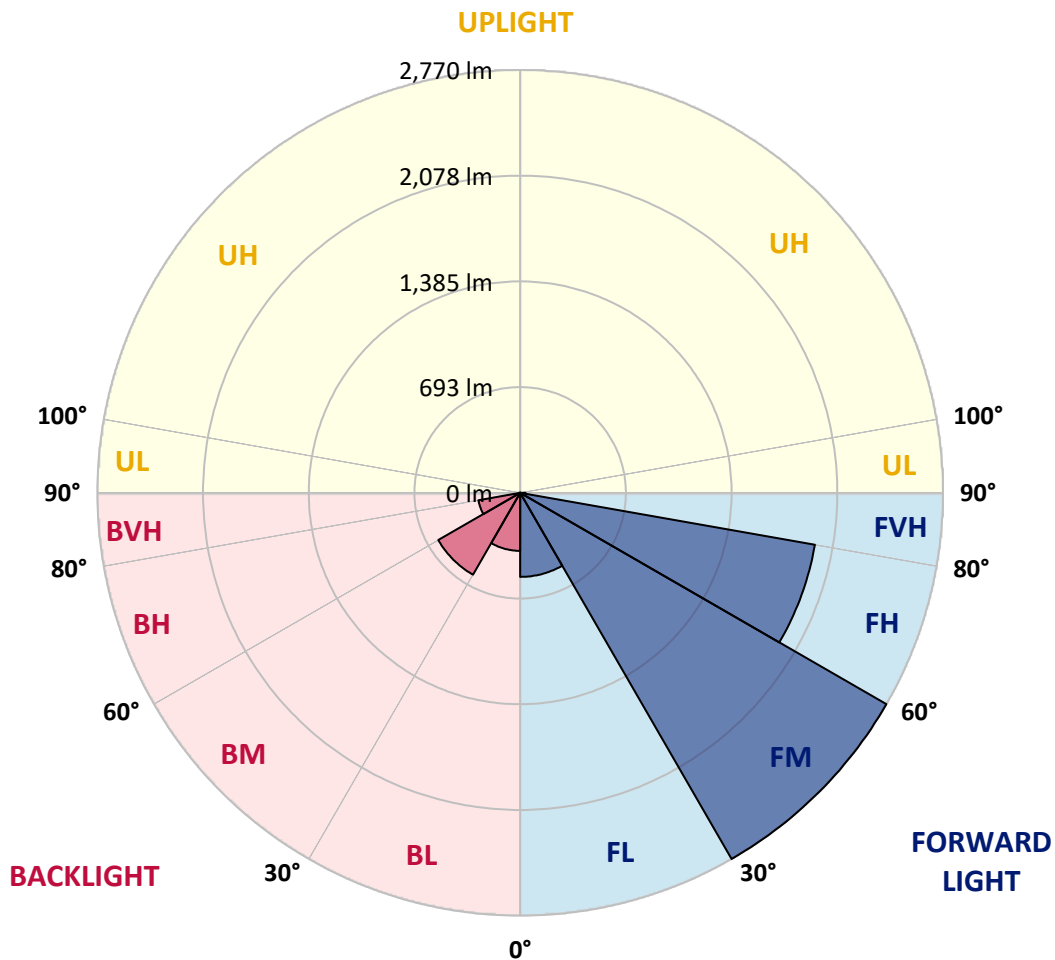
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	551.0	8.3			
FM (30°-60°)	2770.5	41.9			
FH (60°-80°)	1961.2	29.7			G2/5000
FVH (80°-90°)	35.2	0.5			G1/100
BL (0°-30°)	380.1	5.8	B1/500		
BM (30°-60°)	619.2	9.4	B1/1000		
BH (60°-80°)	277.9	4.2	B1/500		G1/500
BVH (80°-90°)	10.1	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°	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5
2.5°	962.5	962.5	962.5	960.5	960.5	960.5	958.5	956.5	956.5	956.5	958.5
5°	988.6	988.6	986.6	984.6	982.6	976.6	972.6	970.6	970.6	968.5	972.6
7.5°	1020.7	1020.7	1020.7	1016.7	1010.7	1002.6	994.6	988.6	986.6	984.6	986.6
10°	1068.8	1068.8	1064.8	1058.8	1048.8	1036.7	1022.7	1010.7	1008.7	1004.6	1008.7
12.5°	1131.0	1125.0	1121.0	1110.9	1098.9	1078.8	1056.8	1038.7	1034.7	1030.7	1044.7
15°	1195.1	1193.1	1183.1	1177.1	1157.0	1131.0	1100.9	1076.8	1072.8	1064.8	1076.8
17.5°	1271.3	1273.4	1269.3	1259.3	1231.2	1193.1	1157.0	1123.0	1118.9	1112.9	1118.9
20°	1375.6	1371.6	1363.6	1349.6	1317.5	1267.3	1221.2	1183.1	1177.1	1173.1	1167.1
22.5°	1479.9	1481.9	1465.9	1451.8	1411.7	1363.6	1301.4	1255.3	1247.3	1245.3	1217.2
25°	1580.2	1584.2	1578.2	1560.1	1526.0	1463.9	1395.7	1339.5	1329.5	1327.5	1279.4
27.5°	1684.4	1686.4	1692.5	1684.4	1648.3	1584.2	1508.0	1443.8	1443.8	1427.8	1355.6
30°	1784.7	1788.7	1792.7	1792.7	1774.7	1718.5	1652.3	1596.2	1596.2	1584.2	1459.8
32.5°	1862.9	1864.9	1889.0	1909.0	1909.0	1868.9	1824.8	1818.8	1816.8	1838.8	1698.5
35°	1933.1	1939.1	1973.2	2027.3	2049.4	2033.4	2035.4	2057.4	2079.5	2133.6	2027.3
37.5°	1985.2	1993.2	2025.3	2087.5	2149.7	2191.8	2231.9	2292.0	2326.1	2408.3	2262.0
40°	1999.3	2009.3	2077.5	2165.7	2266.0	2362.2	2434.4	2508.6	2530.7	2588.8	2404.3
42.5°	1955.1	1965.2	2051.4	2229.9	2370.2	2520.6	2598.8	2693.1	2731.2	2709.1	2522.6
45°	1925.1	1931.1	2021.3	2223.9	2460.5	2675.0	2751.2	2849.5	2873.6	2821.4	2620.9
47.5°	1887.0	1893.0	1987.2	2215.8	2534.7	2807.4	2859.5	2967.8	2991.9	2911.7	2705.1
50°	1830.8	1834.8	1943.1	2199.8	2582.8	2901.6	2959.8	3068.1	3078.1	2995.9	2785.3
52.5°	1762.6	1774.7	1878.9	2161.7	2616.9	2959.8	3030.0	3146.3	3160.3	3104.2	2873.6
55°	1670.4	1684.4	1804.7	2105.5	2604.9	2979.8	3062.1	3250.6	3274.6	3228.5	2947.8
57.5°	1576.1	1596.2	1714.5	2027.3	2556.7	3009.9	3168.3	3405.0	3437.0	3350.8	3007.9
60°	1479.9	1487.9	1610.2	1921.1	2476.5	3040.0	3288.7	3607.5	3637.6	3471.1	3056.0
62.5°	1369.6	1379.6	1487.9	1774.7	2338.2	3011.9	3378.9	3777.9	3796.0	3571.4	3076.1
65°	1241.3	1241.3	1333.5	1596.2	2151.7	2911.7	3390.9	3866.2	3878.2	3635.6	3052.0
67.5°	1062.8	1070.8	1145.0	1375.6	1901.0	2715.1	3322.7	3886.2	3916.3	3675.7	2985.9
70°	824.2	842.2	904.4	1102.9	1552.1	2442.4	3220.5	3918.3	3942.4	3617.5	2837.5
72.5°	563.5	581.5	637.7	756.0	1118.9	1959.2	2913.7	3615.5	3621.5	3334.8	2548.7
75°	148.4	164.4	208.5	302.8	469.2	1317.5	2330.1	3062.1	3098.2	2883.6	2103.5
77.5°	44.1	44.1	54.1	70.2	96.3	268.7	1185.1	1951.1	1987.2	1901.0	1311.5
80°	34.1	34.1	40.1	48.1	62.2	138.4	411.1	719.9	764.0	816.1	541.4
82.5°	22.1	24.1	26.1	28.1	28.1	56.1	110.3	184.5	182.5	198.5	174.5
85°	14.0	14.0	12.0	12.0	10.0	14.0	10.0	12.0	14.0	14.0	16.0
87.5°	2.0	0.0	0.0	0.0	0.0	2.0	2.0	4.0	4.0	4.0	6.0
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°	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5	956.5
2.5°	960.5	962.5	964.5	966.5	970.6	970.6	972.6	972.6	972.6	972.6	972.6
5°	972.6	974.6	980.6	986.6	1000.6	1008.7	1016.7	1022.7	1022.7	1026.7	1026.7
7.5°	990.6	996.6	1014.7	1022.7	1034.7	1046.8	1052.8	1054.8	1058.8	1058.8	1058.8
10°	1020.7	1026.7	1040.7	1046.8	1052.8	1052.8	1050.8	1048.8	1042.7	1040.7	1042.7
12.5°	1048.8	1056.8	1056.8	1054.8	1048.8	1040.7	1030.7	1020.7	1010.7	1002.6	1002.6
15°	1082.8	1078.8	1066.8	1050.8	1034.7	1014.7	994.6	976.6	960.5	954.5	954.5
17.5°	1112.9	1102.9	1076.8	1046.8	1012.7	980.6	948.5	918.4	890.3	880.3	874.3
20°	1149.0	1131.0	1084.9	1038.7	990.6	940.5	886.3	832.2	784.1	764.0	762.0
22.5°	1191.1	1161.1	1096.9	1026.7	962.5	886.3	796.1	719.9	671.8	647.7	643.7
25°	1241.3	1197.2	1108.9	1016.7	928.4	816.1	695.8	609.6	549.4	523.4	513.4
27.5°	1303.4	1245.3	1125.0	1004.6	876.3	729.9	593.6	493.3	427.1	395.0	391.0
30°	1383.6	1303.4	1141.0	986.6	812.1	629.7	483.3	371.0	304.8	272.7	264.7
32.5°	1568.1	1421.7	1161.1	956.5	731.9	533.4	365.0	248.7	182.5	152.4	150.4
35°	1881.0	1688.4	1207.2	916.4	651.7	419.1	234.6	132.3	98.3	86.2	86.2
37.5°	2115.6	1911.0	1331.5	864.3	547.4	280.7	120.3	78.2	62.2	60.2	60.2
40°	2255.9	2043.4	1467.9	806.1	423.1	150.4	74.2	60.2	56.1	54.1	54.1
42.5°	2372.2	2153.7	1532.0	733.9	268.7	84.2	62.2	56.1	52.1	50.1	50.1
45°	2468.5	2237.9	1540.1	641.7	150.4	70.2	58.2	50.1	48.1	46.1	46.1
47.5°	2544.7	2310.1	1520.0	511.3	94.2	66.2	54.1	46.1	42.1	42.1	42.1
50°	2616.9	2372.2	1463.9	403.1	88.2	62.2	50.1	42.1	40.1	40.1	40.1
52.5°	2683.1	2416.4	1369.6	324.9	82.2	58.2	48.1	40.1	36.1	38.1	38.1
55°	2737.2	2434.4	1273.4	250.7	78.2	56.1	46.1	38.1	34.1	34.1	34.1
57.5°	2767.3	2396.3	1193.1	190.5	76.2	54.1	44.1	36.1	30.1	28.1	28.1
60°	2769.3	2346.2	1118.9	160.4	72.2	50.1	42.1	32.1	26.1	24.1	24.1
62.5°	2733.2	2286.0	1006.6	138.4	68.2	48.1	38.1	30.1	24.1	22.1	22.1
65°	2663.0	2179.7	882.3	118.3	66.2	48.1	34.1	28.1	24.1	20.1	20.1
67.5°	2550.7	2003.3	715.9	104.3	62.2	44.1	34.1	26.1	22.1	20.1	20.1
70°	2338.2	1750.6	495.3	90.2	58.2	40.1	32.1	26.1	22.1	18.0	18.0
72.5°	2015.3	1421.7	244.6	74.2	50.1	40.1	32.1	24.1	20.1	18.0	18.0
75°	1558.1	1018.7	148.4	60.2	40.1	36.1	30.1	24.1	20.1	16.0	16.0
77.5°	916.4	453.2	106.3	46.1	30.1	28.1	26.1	22.1	18.0	16.0	16.0
80°	334.9	192.5	78.2	36.1	24.1	24.1	20.1	18.0	16.0	14.0	14.0
82.5°	130.3	102.3	52.1	26.1	20.1	18.0	16.0	14.0	12.0	12.0	12.0
85°	18.0	18.0	18.0	14.0	12.0	12.0	10.0	10.0	8.0	8.0	8.0
87.5°	6.0	6.0	6.0	8.0	6.0	6.0	4.0	4.0	4.0	6.0	6.0
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)