

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: P507620

Luminaire Tested: **VERD-S-CA1-60-722-U-T4-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-7)
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-T4-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 1150mA LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6343 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

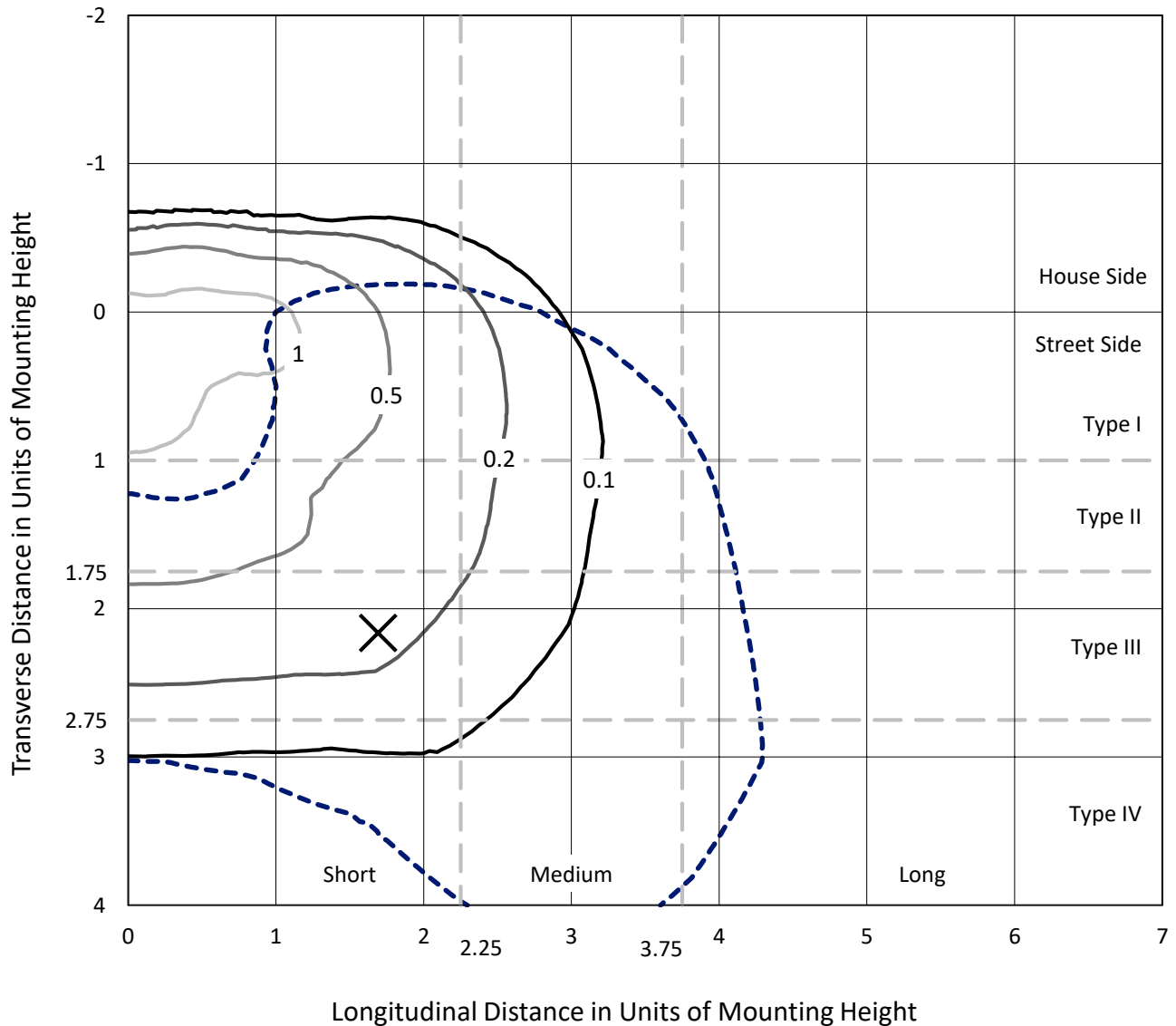
Input Watts (W): 63.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

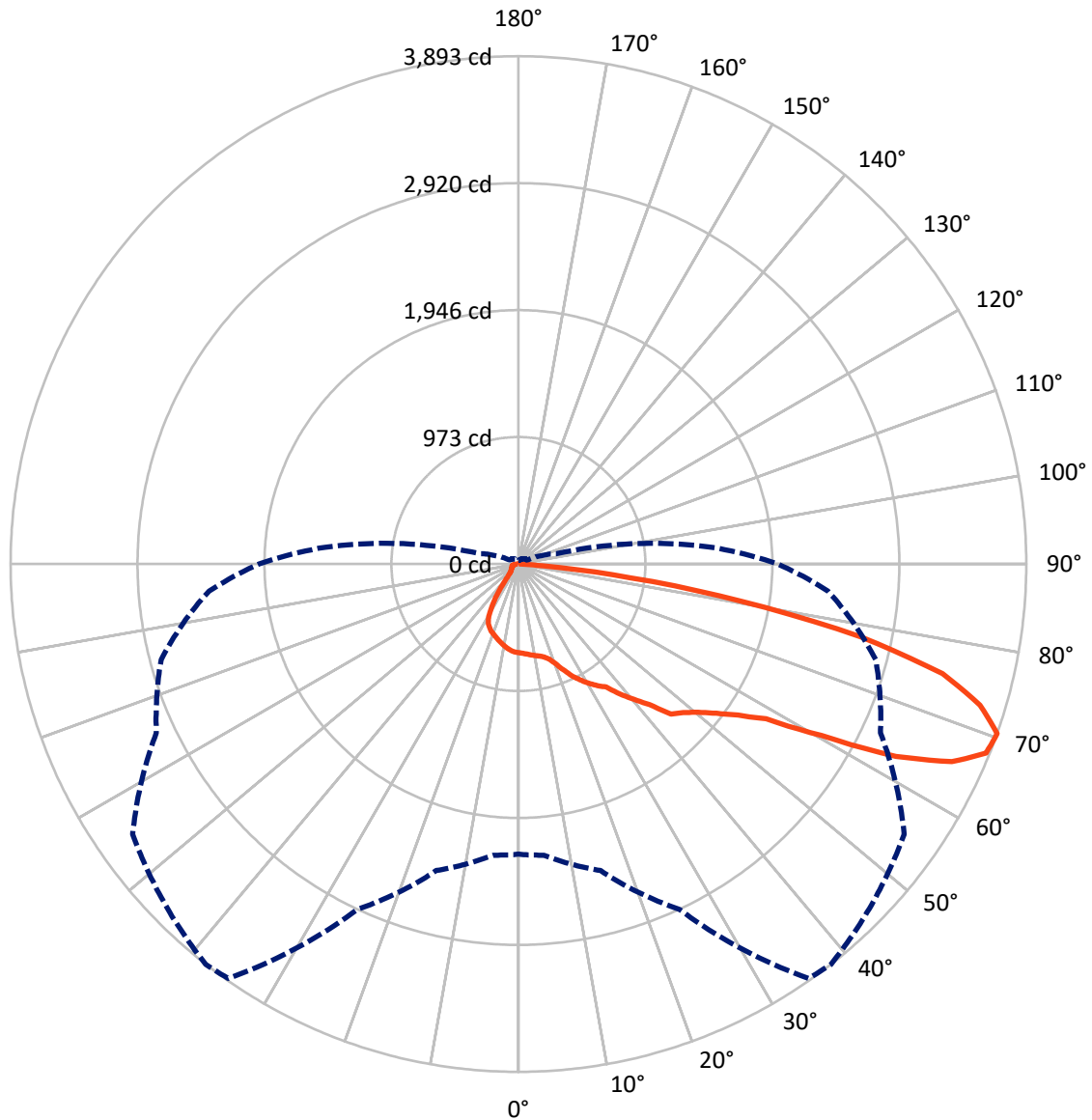
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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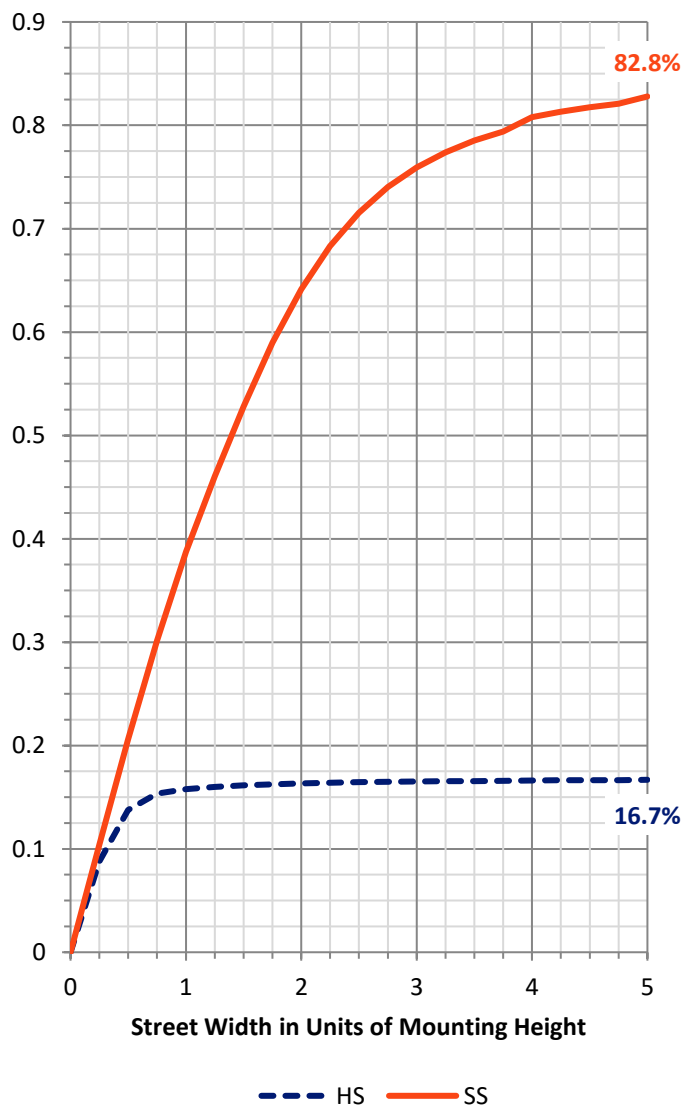
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1073.1	0.0	1073.1
	% Fixture	16.9	0.0	16.9
Street Side	Lumens	5269.9	0.0	5269.9
	% Fixture	83.1	0.0	83.1
Total	Lumens	6343.0	0.0	6343.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	1.0
10°-20°	197.0	3.1
20°-30°	362.7	5.7
30°-40°	567.7	9.0
40°-50°	862.5	13.6
50°-60°	1240.1	19.6
60°-70°	1666.0	26.3
70°-80°	1234.4	19.5
80°-90°	147.6	2.3
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°	6343.0	100.0
0°-180°	6343.0	100.0

Coefficient of Utilization



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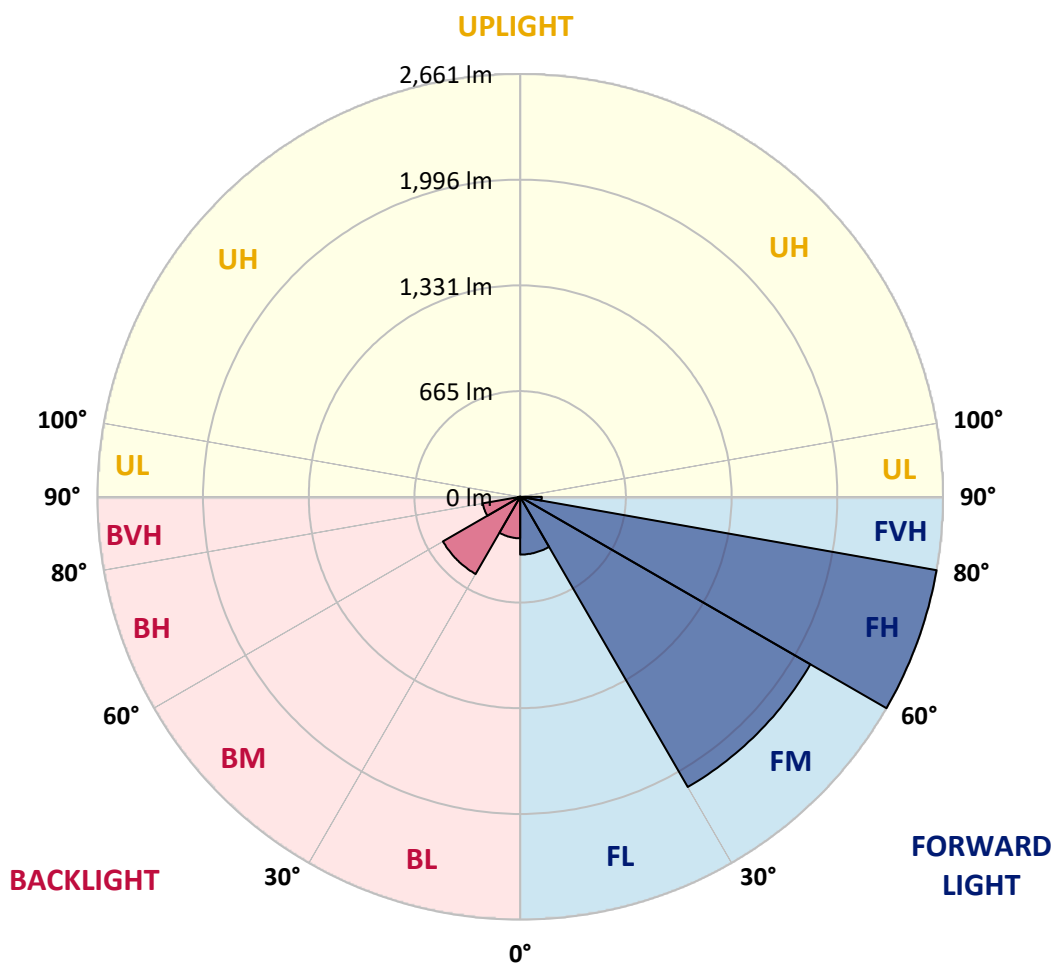
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	363.7	5.7			
FM	(30°-60°)	2109.0	33.2			
FH	(60°-80°)	2661.5	42.0			G2/5000
FVH	(80°-90°)	135.8	2.1			G2/225
BL	(0°-30°)	261.0	4.1	B1/500		
BM	(30°-60°)	561.3	8.8	B1/1000		
BH	(60°-80°)	238.9	3.8	B1/500		G1/500
BVH	(80°-90°)	11.8	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9
2.5°	689.9	689.9	689.9	687.9	687.9	685.9	685.9	683.9	683.9	681.9	679.9
5°	699.9	699.9	697.9	695.9	693.9	693.9	693.9	691.9	687.9	687.9	683.9
7.5°	703.9	703.9	703.9	703.9	703.9	703.9	703.9	701.9	699.9	697.9	693.9
10°	705.9	705.9	708.0	708.0	712.0	714.0	714.0	716.0	714.0	710.0	705.9
12.5°	712.0	714.0	714.0	716.0	722.0	724.0	726.0	732.0	732.0	728.0	724.0
15°	724.0	724.0	726.0	730.0	738.0	740.0	746.1	752.1	756.1	752.1	748.1
17.5°	760.1	760.1	760.1	760.1	764.1	766.1	774.1	784.2	788.2	788.2	786.2
20°	832.3	832.3	828.3	820.3	816.2	816.2	814.2	818.3	826.3	832.3	834.3
22.5°	914.5	912.5	910.5	898.5	884.4	880.4	876.4	872.4	876.4	886.4	890.5
25°	978.7	980.7	978.7	962.7	950.6	948.6	942.6	944.6	944.6	946.6	952.6
27.5°	1030.8	1034.9	1026.8	1018.8	1010.8	1004.8	1008.8	1014.8	1024.8	1020.8	1032.8
30°	1089.0	1087.0	1079.0	1068.9	1062.9	1060.9	1058.9	1081.0	1109.1	1121.1	1135.1
32.5°	1193.3	1191.3	1175.2	1125.1	1111.1	1111.1	1115.1	1143.2	1187.3	1225.4	1261.5
35°	1289.6	1289.6	1269.5	1235.4	1175.2	1157.2	1167.2	1201.3	1265.5	1341.7	1399.9
37.5°	1403.9	1405.9	1383.8	1331.7	1283.5	1265.5	1217.4	1265.5	1343.7	1490.1	1562.3
40°	1536.2	1532.2	1496.1	1440.0	1377.8	1363.8	1323.6	1333.7	1444.0	1664.6	1734.8
42.5°	1610.4	1606.4	1582.4	1538.2	1488.1	1472.1	1436.0	1425.9	1578.4	1857.1	1903.2
45°	1682.6	1686.6	1684.6	1662.6	1650.5	1640.5	1620.5	1622.5	1744.8	2047.6	2049.6
47.5°	1724.8	1732.8	1700.7	1698.7	1700.7	1700.7	1728.8	1784.9	1903.2	2210.1	2178.0
50°	1849.1	1841.1	1742.8	1746.8	1772.9	1784.9	1837.1	1919.3	2123.9	2350.5	2288.3
52.5°	2099.8	2043.6	1919.3	1859.1	1869.2	1899.2	1961.4	2079.7	2344.5	2488.9	2386.6
55°	2380.6	2356.5	2228.1	2073.7	2005.5	2043.6	2109.8	2234.2	2518.9	2607.2	2468.8
57.5°	2575.1	2585.1	2589.1	2464.8	2226.1	2238.2	2280.3	2388.6	2675.4	2727.5	2531.0
60°	2763.6	2777.7	2853.9	2835.8	2757.6	2669.4	2504.9	2541.0	2809.7	2813.8	2579.1
62.5°	2914.0	2922.1	3044.4	3100.5	3240.9	3246.9	2980.2	2751.6	2946.1	2875.9	2597.2
65°	2837.8	2859.9	3038.4	3208.8	3607.9	3652.1	3547.8	3020.3	3050.4	2904.0	2585.1
67.5°	2581.1	2617.2	2785.7	3176.8	3836.6	3866.7	3774.4	3507.7	3088.5	2894.0	2518.9
70°	2224.1	2240.2	2432.7	2920.0	3878.7	3892.7	3778.4	3610.0	3062.4	2835.8	2380.6
72.5°	1809.0	1827.0	1993.5	2510.9	3688.2	3700.2	3670.1	3529.7	3000.3	2727.5	2099.8
75°	1357.7	1385.8	1544.3	1961.4	3257.0	3359.3	3421.4	3361.3	2827.8	2368.5	1598.4
77.5°	896.5	898.5	1058.9	1482.1	2581.1	2683.4	2693.4	2643.3	2007.5	1486.1	710.0
80°	385.1	421.2	619.7	994.7	1714.7	1732.8	1752.8	1620.5	1028.8	459.3	78.2
82.5°	128.4	142.4	260.7	525.4	844.3	864.4	828.3	718.0	288.8	62.2	44.1
85°	54.1	60.2	80.2	144.4	204.6	186.5	174.5	142.4	40.1	36.1	28.1
87.5°	2.0	2.0	2.0	2.0	4.0	2.0	4.0	4.0	6.0	6.0	8.0
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°	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9	679.9
2.5°	679.9	679.9	679.9	677.9	677.9	675.9	675.9	673.9	673.9	673.9	673.9
5°	683.9	683.9	679.9	677.9	673.9	669.8	665.8	661.8	657.8	657.8	657.8
7.5°	691.9	689.9	683.9	675.9	667.8	657.8	651.8	643.8	639.8	635.8	637.8
10°	703.9	699.9	691.9	679.9	663.8	647.8	633.7	621.7	615.7	609.7	607.7
12.5°	720.0	716.0	703.9	685.9	661.8	637.8	615.7	597.6	585.6	579.6	577.6
15°	744.1	738.0	722.0	695.9	661.8	625.7	595.6	569.6	549.5	537.5	537.5
17.5°	782.2	776.1	754.1	718.0	669.8	619.7	573.6	529.5	503.4	489.3	487.3
20°	832.3	824.3	798.2	746.1	683.9	617.7	549.5	493.4	449.2	425.2	423.2
22.5°	890.5	884.4	844.3	776.1	697.9	613.7	531.5	457.3	395.1	351.0	340.9
25°	958.6	948.6	888.4	800.2	701.9	603.7	505.4	419.2	332.9	278.8	268.7
27.5°	1038.9	1016.8	928.6	818.3	699.9	583.6	475.3	365.0	252.7	212.6	206.6
30°	1125.1	1087.0	968.7	830.3	687.9	551.5	423.2	272.8	182.5	158.4	152.4
32.5°	1223.4	1163.2	1004.8	832.3	661.8	507.4	334.9	186.5	130.4	116.3	114.3
35°	1341.7	1259.5	1042.9	824.3	623.7	435.2	232.6	126.3	96.3	92.3	92.3
37.5°	1496.1	1381.8	1085.0	800.2	565.6	336.9	154.4	86.2	84.2	86.2	86.2
40°	1658.6	1522.2	1137.1	764.1	491.4	242.7	98.3	80.2	80.2	82.2	82.2
42.5°	1813.0	1656.6	1203.3	716.0	407.1	156.4	80.2	76.2	74.2	76.2	78.2
45°	1943.4	1782.9	1267.5	663.8	310.9	100.3	78.2	72.2	68.2	70.2	70.2
47.5°	2059.7	1879.2	1303.6	601.7	218.6	78.2	78.2	66.2	62.2	62.2	64.2
50°	2157.9	1955.4	1323.6	529.5	138.4	76.2	70.2	62.2	58.2	58.2	56.2
52.5°	2240.2	2011.5	1321.6	449.2	90.2	74.2	66.2	58.2	52.1	54.1	54.1
55°	2302.3	2055.7	1291.6	345.0	76.2	70.2	64.2	54.1	50.1	54.1	54.1
57.5°	2350.5	2075.7	1235.4	240.7	74.2	64.2	60.2	50.1	46.1	48.1	48.1
60°	2374.5	2065.7	1147.2	150.4	72.2	62.2	56.2	46.1	42.1	40.1	42.1
62.5°	2366.5	2029.6	1020.8	100.3	68.2	58.2	52.1	44.1	38.1	34.1	34.1
65°	2318.4	1949.4	870.4	84.2	66.2	58.2	50.1	42.1	34.1	32.1	32.1
67.5°	2210.1	1782.9	645.8	78.2	66.2	56.2	48.1	40.1	34.1	30.1	30.1
70°	1987.5	1484.1	310.9	72.2	66.2	58.2	48.1	38.1	32.1	28.1	28.1
72.5°	1608.4	1048.9	80.2	62.2	64.2	58.2	50.1	38.1	30.1	26.1	26.1
75°	1048.9	503.4	68.2	50.1	58.2	54.1	48.1	38.1	30.1	24.1	24.1
77.5°	340.9	70.2	62.2	44.1	52.1	52.1	48.1	38.1	30.1	22.1	22.1
80°	54.1	50.1	54.1	34.1	38.1	44.1	38.1	36.1	28.1	20.1	20.1
82.5°	38.1	46.1	40.1	28.1	34.1	36.1	30.1	24.1	20.1	18.0	18.0
85°	28.1	30.1	24.1	22.1	26.1	30.1	24.1	18.0	16.0	16.0	16.0
87.5°	10.0	12.0	12.0	16.0	20.1	22.1	14.0	10.0	12.0	12.0	12.0
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)