

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: P507472

Luminaire Tested: **VERD-S-CA1-30-722-U-T2-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507472
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-30-722-U-T2-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 590mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3618.6 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

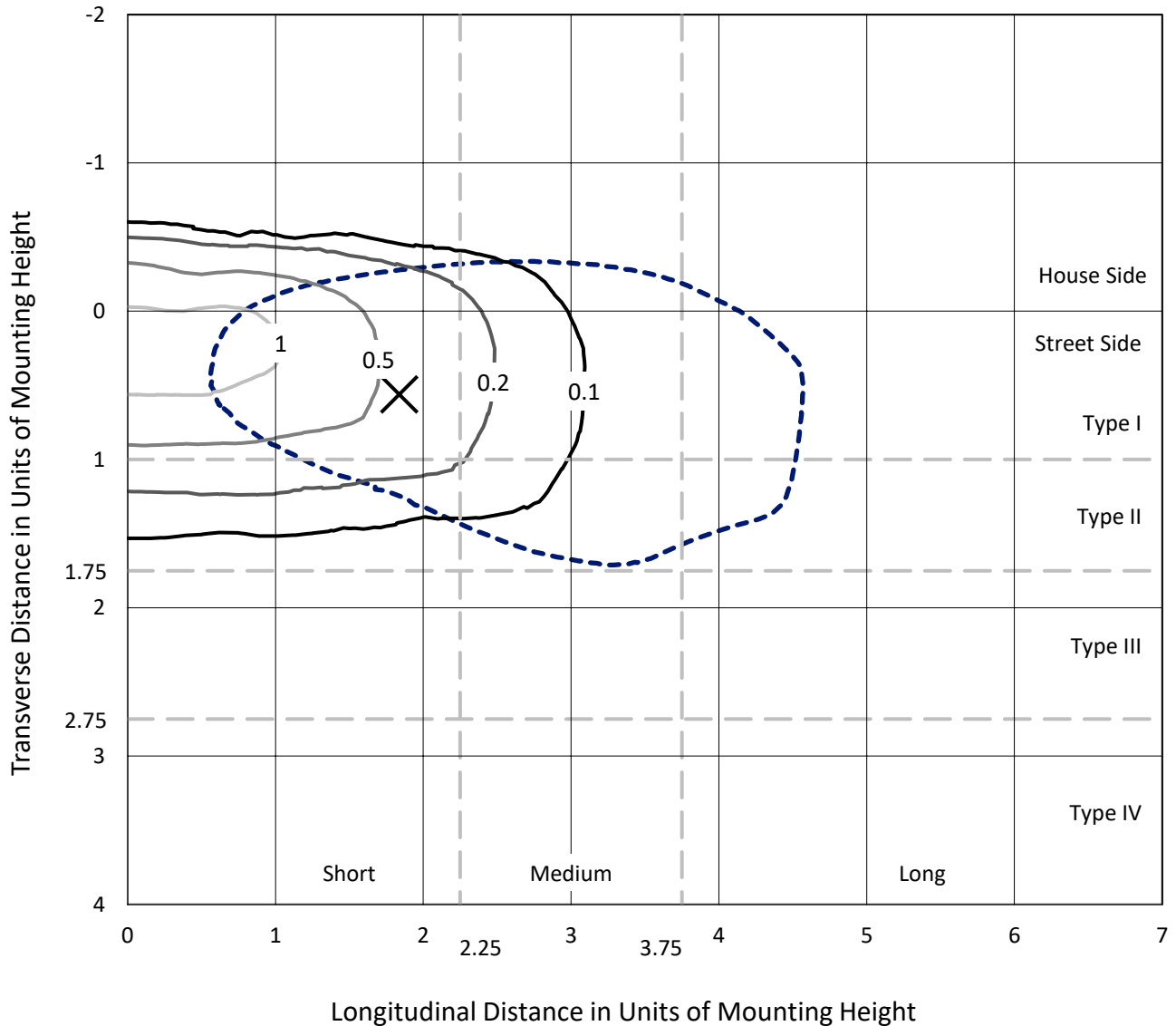
Input Watts (W): 34
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

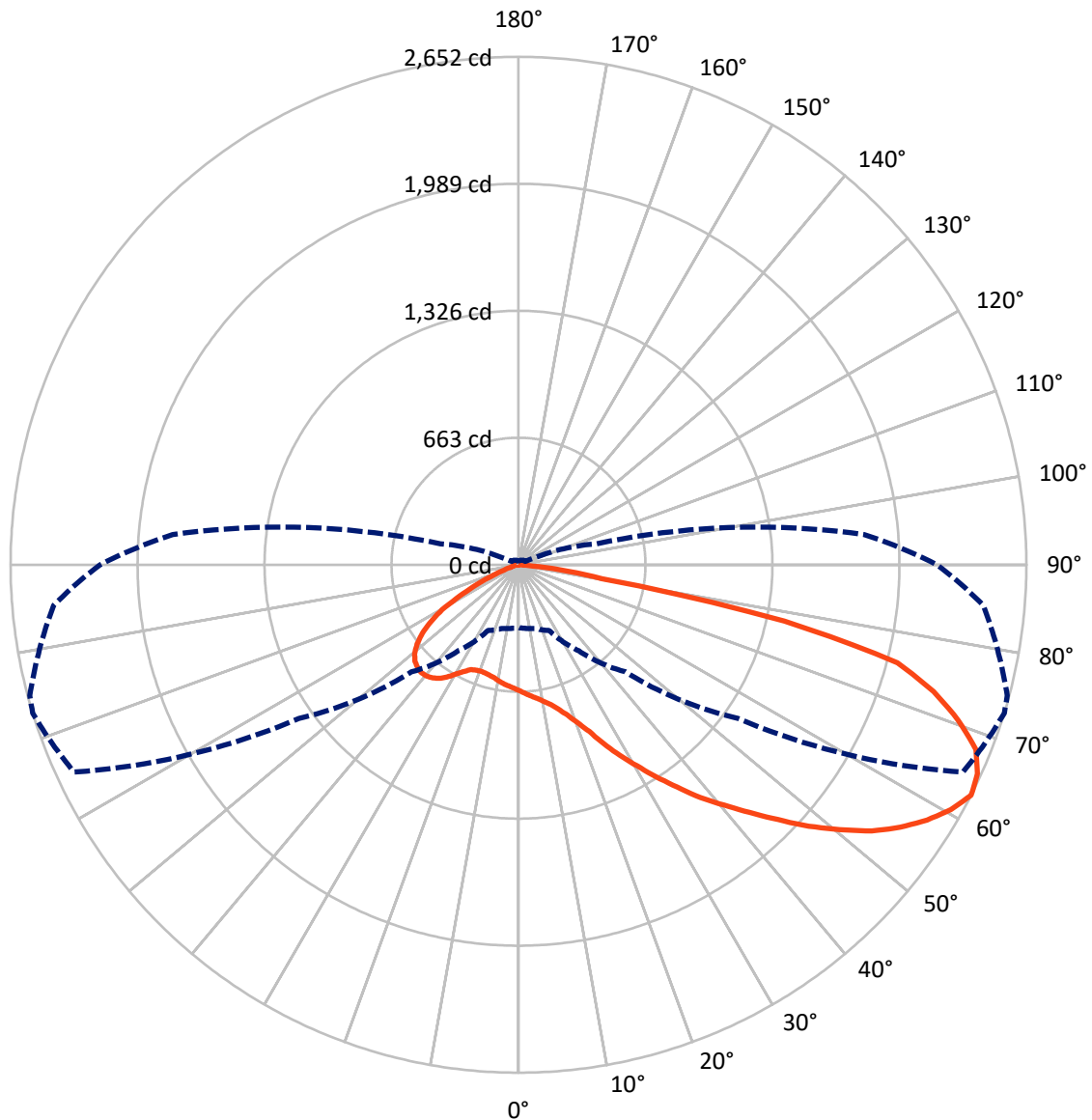
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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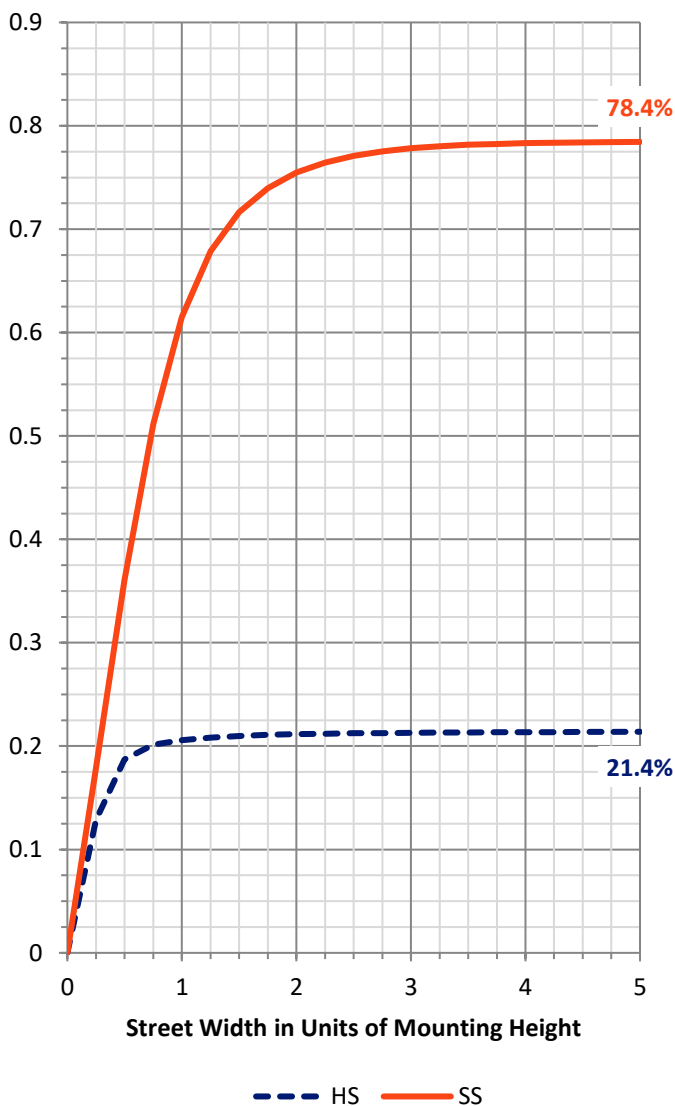
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	783.8	0.0	783.8
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	2834.8	0.0	2834.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	3618.6	0.0	3618.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.9	1.7
10°-20°	189.3	5.2
20°-30°	327.4	9.0
30°-40°	480.8	13.3
40°-50°	624.9	17.3
50°-60°	724.5	20.0
60°-70°	729.2	20.2
70°-80°	444.3	12.3
80°-90°	35.4	1.0
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°	3618.6	100.0
0°-180°	3618.6	100.0

Coefficient of Utilization



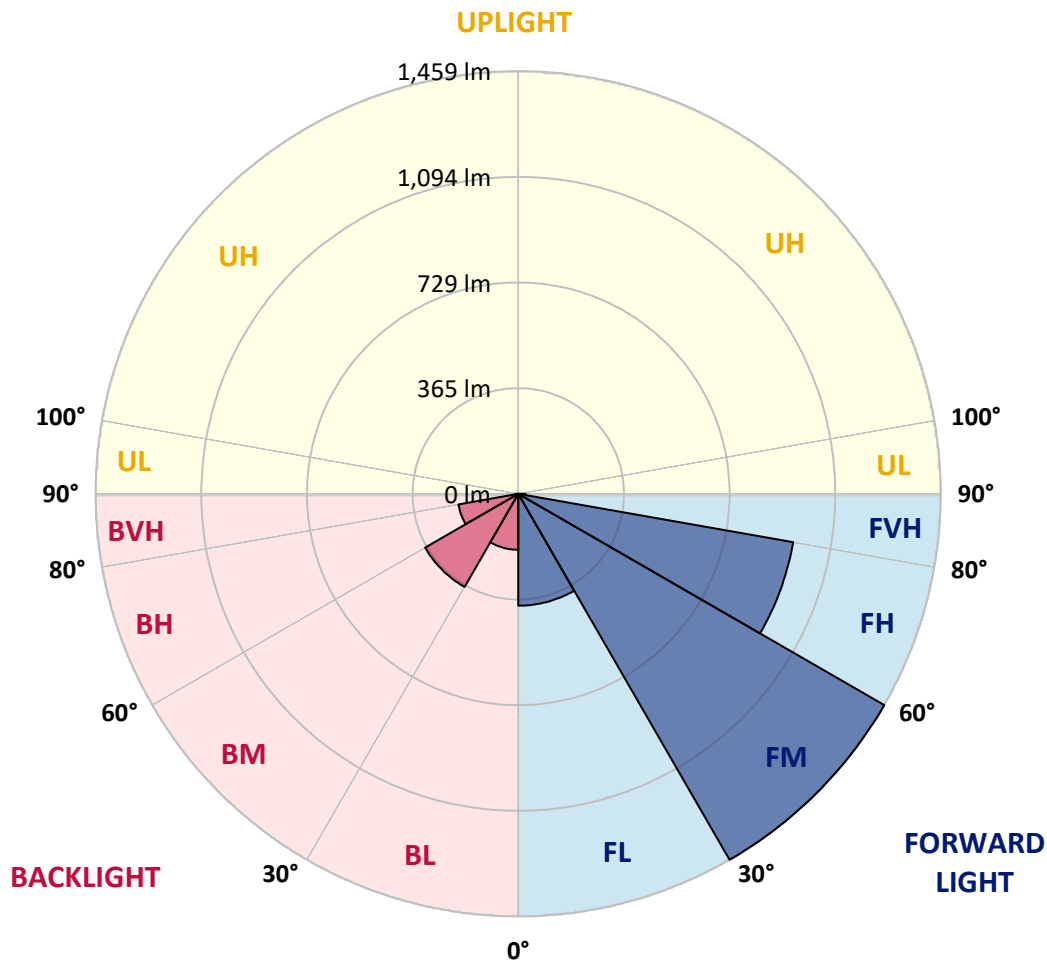
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	386.3	10.7			
FM (30°-60°)	1459.0	40.3			
FH (60°-80°)	963.9	26.6			G1/1800
FVH (80°-90°)	25.7	0.7			G1/100
BL (0°-30°)	193.2	5.3	B1/500		
BM (30°-60°)	371.3	10.3	B1/1000		
BH (60°-80°)	209.6	5.8	B1/500		G1/500
BVH (80°-90°)	9.7	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3
2.5°	701.5	701.5	700.5	699.3	695.0	690.5	683.9	678.4	672.9	670.6	661.8
5°	742.5	742.5	741.3	736.8	731.3	723.6	712.6	698.2	688.3	687.1	671.7
7.5°	776.7	775.6	774.5	772.3	766.8	756.7	740.2	721.4	704.9	700.5	681.6
10°	809.8	810.9	808.8	803.2	796.6	784.4	767.8	745.7	725.8	719.2	690.5
12.5°	845.1	844.1	840.7	834.1	825.3	815.3	797.7	775.6	749.0	742.5	704.9
15°	875.0	876.1	870.5	866.2	857.3	846.3	830.8	808.8	782.2	774.5	725.8
17.5°	901.5	901.5	900.5	898.2	891.6	883.9	868.4	852.9	825.3	813.1	757.9
20°	921.4	922.6	924.7	929.1	930.3	923.6	915.9	904.8	878.4	866.2	797.7
22.5°	939.1	941.3	950.2	963.4	974.4	974.4	973.3	972.3	945.7	938.0	856.3
25°	943.5	946.8	966.7	995.4	1013.1	1027.5	1047.4	1055.1	1035.2	1022.0	932.4
27.5°	950.2	953.4	975.6	1009.8	1053.9	1086.1	1121.4	1141.3	1126.9	1113.7	1019.8
30°	944.6	949.0	973.3	1022.0	1080.5	1147.8	1192.0	1221.9	1217.4	1209.7	1110.3
32.5°	930.3	934.6	963.4	1023.0	1112.5	1210.9	1260.6	1307.0	1319.2	1312.5	1205.4
35°	901.5	906.0	941.3	1014.3	1128.0	1258.4	1329.1	1397.5	1425.2	1420.8	1309.2
37.5°	865.0	865.0	907.0	987.7	1133.6	1294.8	1389.8	1488.2	1542.3	1535.7	1414.1
40°	804.3	815.3	867.3	958.9	1124.7	1321.3	1448.4	1582.1	1649.5	1646.2	1527.9
42.5°	743.5	752.4	802.1	909.2	1103.7	1336.8	1497.0	1680.5	1767.7	1765.5	1637.3
45°	689.4	696.0	736.8	840.7	1059.5	1341.3	1543.4	1785.4	1898.0	1893.7	1748.9
47.5°	619.8	633.1	685.0	776.7	998.7	1328.0	1586.4	1916.8	2039.4	2035.1	1869.3
50°	469.6	478.4	586.7	724.8	920.2	1294.8	1621.9	2046.1	2173.1	2164.3	1978.7
52.5°	426.4	431.9	466.2	660.7	847.4	1235.2	1644.0	2200.8	2309.0	2294.6	2091.3
55°	398.8	403.3	423.2	529.2	783.3	1134.6	1650.5	2346.6	2418.4	2404.1	2195.2
57.5°	374.5	376.7	396.6	450.8	707.0	1007.6	1627.4	2454.9	2514.5	2499.1	2284.7
60°	349.1	352.4	371.2	411.0	615.3	890.4	1555.6	2541.0	2594.0	2580.8	2363.2
62.5°	328.2	332.5	344.7	378.9	549.1	791.0	1398.7	2560.9	2651.6	2641.5	2436.1
65°	302.7	306.1	321.5	350.2	480.6	729.1	1239.5	2502.3	2632.7	2644.9	2477.0
67.5°	272.9	276.1	289.5	311.6	403.3	664.0	1100.4	2419.5	2575.3	2591.8	2447.1
70°	236.4	238.6	251.9	272.9	334.7	578.9	954.5	2298.0	2436.1	2448.2	2328.9
72.5°	196.6	196.6	206.6	230.9	275.1	479.5	765.6	2041.6	2266.0	2295.8	2129.0
75°	82.8	87.3	104.9	127.0	175.7	350.2	523.6	1572.2	2043.9	2069.2	1880.3
77.5°	16.6	17.7	19.9	29.8	46.4	152.5	162.3	686.1	1418.6	1435.1	1373.2
80°	13.2	13.2	14.4	22.1	31.0	70.8	53.0	224.3	441.9	569.0	733.6
82.5°	4.4	5.5	7.7	12.2	15.4	15.4	17.7	112.6	218.7	235.3	296.0
85°	2.2	2.2	3.3	4.4	4.4	4.4	4.4	19.9	37.5	45.3	62.9
87.5°	1.2	0.0	0.0	0.0	0.0	0.0	1.2	2.2	3.3	3.3	4.4
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°	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3
2.5°	657.3	654.0	646.3	640.8	633.1	626.4	618.7	614.3	612.0	611.0	608.8
5°	662.9	654.0	638.6	622.0	607.6	596.6	581.2	573.3	569.0	566.8	565.6
7.5°	669.5	658.5	631.9	606.5	581.2	562.3	543.5	531.5	525.9	524.8	523.6
10°	673.9	656.3	620.9	593.2	560.1	530.3	508.2	493.8	486.1	485.0	483.9
12.5°	682.8	659.5	612.0	572.3	538.0	499.4	476.1	459.5	451.8	445.3	445.3
15°	697.1	667.3	607.6	554.6	509.3	471.7	441.9	424.2	418.7	409.8	407.7
17.5°	721.4	681.6	604.3	537.0	482.8	445.3	409.8	391.1	387.8	380.0	375.7
20°	751.2	702.7	606.5	520.4	455.2	412.1	376.7	358.0	346.9	340.2	338.0
22.5°	798.7	733.6	614.3	508.2	430.9	382.2	344.7	314.9	290.5	281.7	281.7
25°	866.2	786.7	627.5	498.2	406.6	353.6	307.1	256.4	224.3	212.2	208.8
27.5°	942.3	854.0	658.5	489.5	386.7	321.5	253.0	196.6	162.3	151.3	151.3
30°	1029.7	924.7	696.0	483.9	362.3	272.9	191.1	143.6	116.0	103.9	102.7
32.5°	1115.9	997.7	740.2	479.5	337.0	213.2	138.1	104.9	81.8	72.9	74.0
35°	1202.0	1069.5	777.8	479.5	295.0	153.6	98.4	72.9	58.6	54.1	54.1
37.5°	1299.3	1150.1	807.6	472.9	232.0	109.4	67.4	53.0	48.6	46.4	46.4
40°	1399.8	1225.3	827.5	458.5	165.7	75.1	47.5	46.4	44.2	40.8	39.8
42.5°	1493.7	1311.5	839.6	430.9	108.3	49.7	42.0	43.0	42.0	36.5	35.3
45°	1593.1	1381.0	846.3	375.7	71.8	40.8	37.5	39.8	40.8	36.5	35.3
47.5°	1692.5	1457.2	850.6	292.8	47.5	39.8	35.3	38.7	39.8	35.3	34.3
50°	1797.5	1526.8	844.1	187.8	42.0	37.5	34.3	35.3	37.5	35.3	34.3
52.5°	1889.2	1589.8	813.1	104.9	40.8	36.5	32.0	33.1	36.5	34.3	34.3
55°	1983.1	1651.7	755.7	61.9	39.8	34.3	32.0	33.1	34.3	32.0	33.1
57.5°	2068.2	1711.3	669.5	50.9	39.8	33.1	33.1	31.0	31.0	28.8	28.8
60°	2133.3	1765.5	566.8	47.5	37.5	34.3	31.0	28.8	26.5	24.3	24.3
62.5°	2185.3	1811.8	420.9	44.2	36.5	33.1	28.8	25.4	22.1	19.9	19.9
65°	2214.0	1821.9	297.2	39.8	34.3	32.0	26.5	22.1	17.7	16.6	16.6
67.5°	2180.8	1769.9	181.2	37.5	32.0	31.0	25.4	19.9	15.4	14.4	14.4
70°	2053.8	1630.6	101.6	34.3	28.8	27.6	23.2	17.7	14.4	12.2	12.2
72.5°	1844.0	1426.3	50.9	28.8	24.3	24.3	20.9	15.4	13.2	11.0	11.0
75°	1557.8	1169.9	36.5	20.9	19.9	19.9	17.7	14.4	12.2	9.9	9.9
77.5°	1141.3	771.1	29.8	17.7	14.4	14.4	15.4	13.2	11.0	8.9	8.9
80°	591.1	382.2	25.4	13.2	12.2	11.0	11.0	11.0	8.9	7.7	7.7
82.5°	261.9	146.9	16.6	9.9	9.9	8.9	8.9	8.9	7.7	6.7	6.7
85°	50.9	27.6	8.9	7.7	6.7	6.7	6.7	5.5	5.5	5.5	5.5
87.5°	4.4	4.4	4.4	4.4	4.4	3.3	3.3	3.3	3.3	3.3	3.3
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)