

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: P507474

Luminaire Tested: **VERD-S-CA1-30-722-U-T3-HSS**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507474  
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-CA1-30-722-U-T3-HSS  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2200K, 590mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3639.3 lumens  
Efficiency: N/A  
Efficacy: 107.0 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

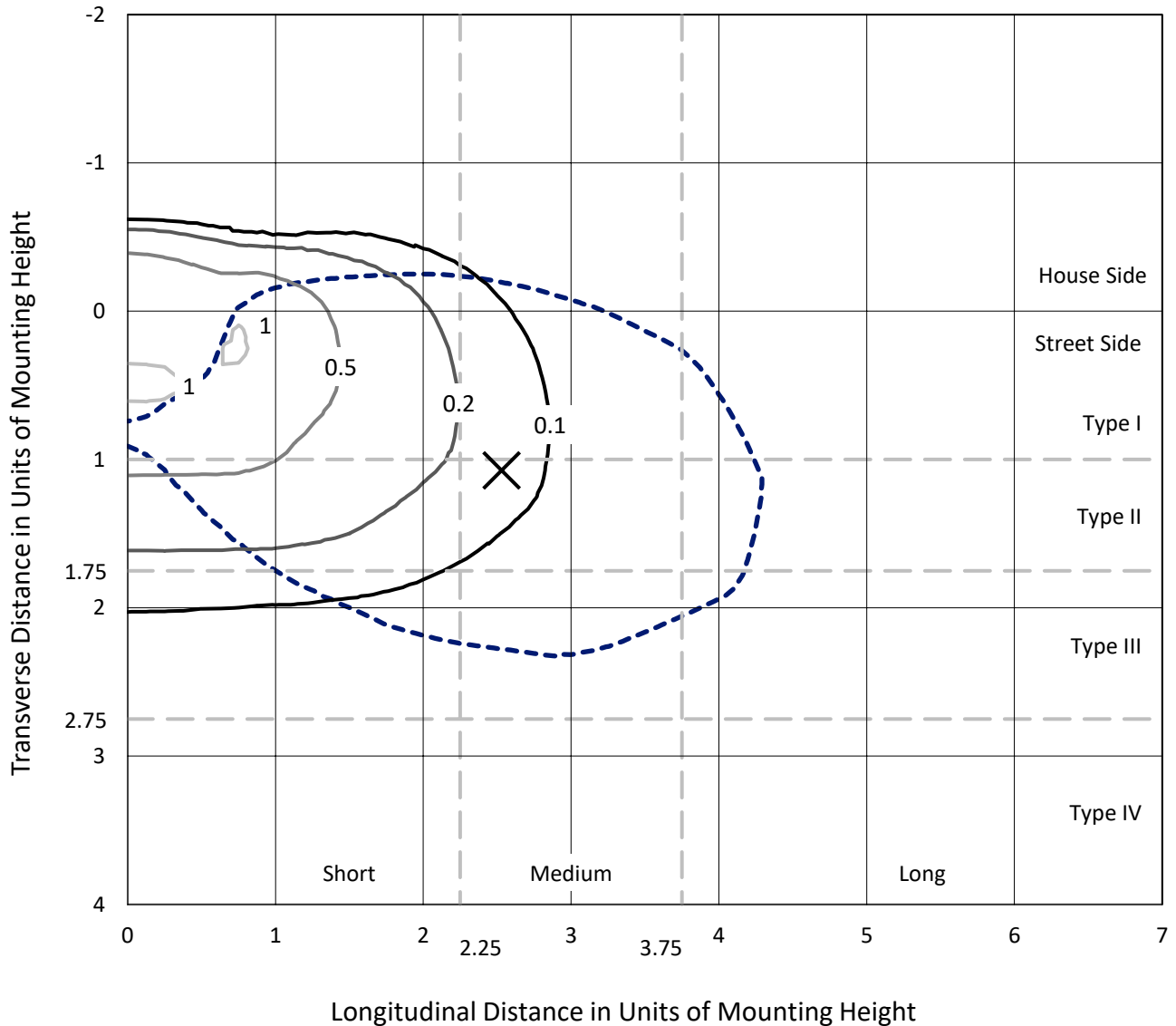
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P507474  
 CATALOG NUMBER: VERD-S-CA1-30-722-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

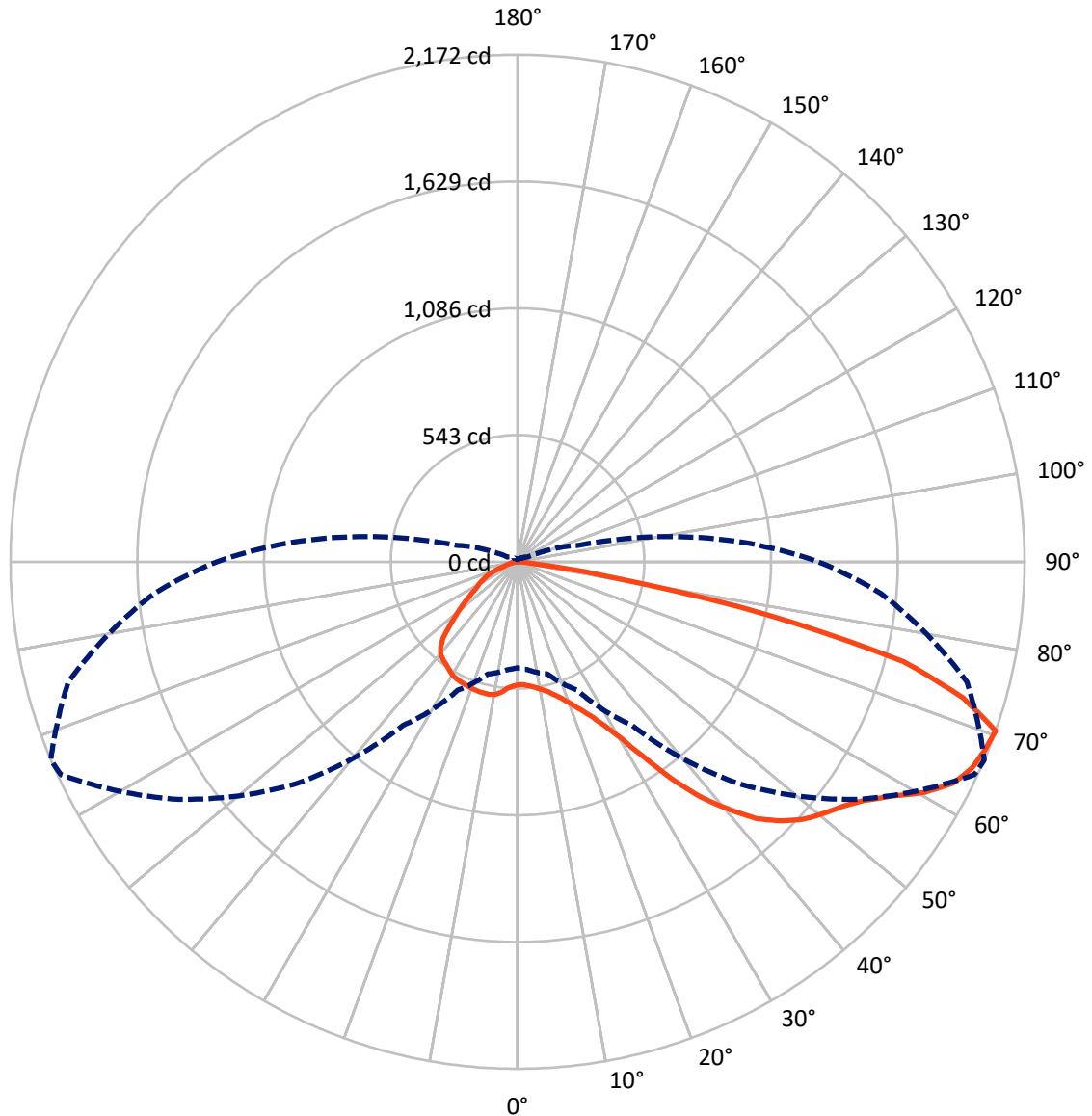
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type III - Medium - N/A

REPORT NUMBER: P507474  
CATALOG NUMBER: VERD-S-CA1-30-722-U-T3-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P507474  
 CATALOG NUMBER: VERD-S-CA1-30-722-U-T3-HSS

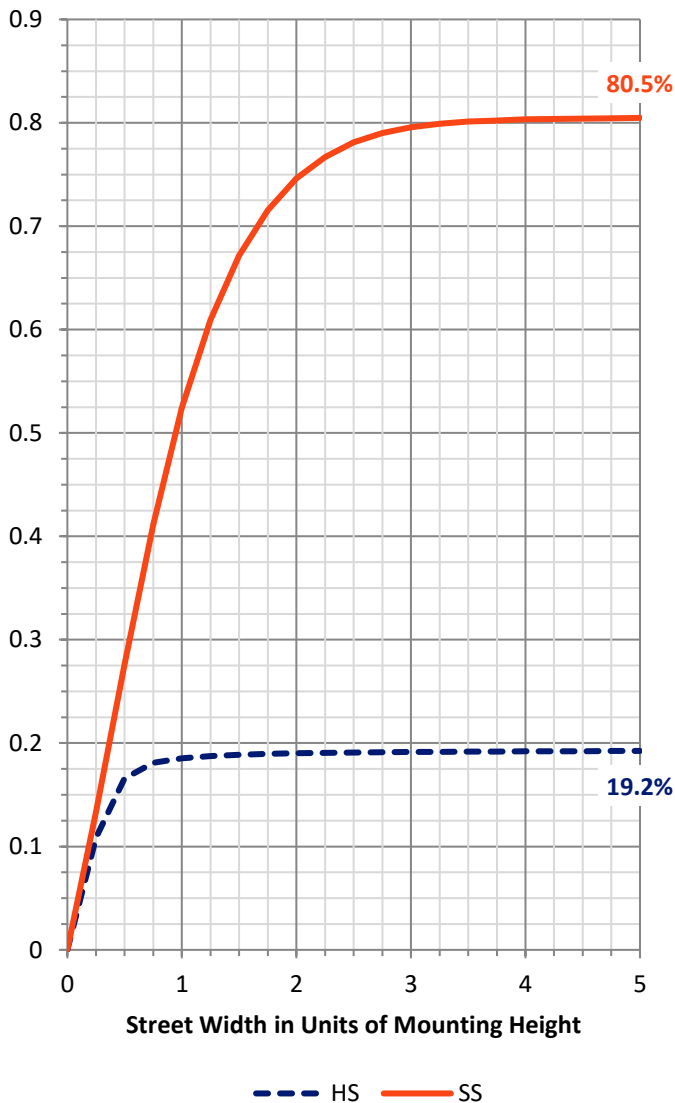
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	709.2	0.0	709.2
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	2930.1	0.0	2930.1
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	3639.3	0.0	3639.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.0	1.5
10°-20°	168.0	4.6
20°-30°	292.0	8.0
30°-40°	457.2	12.6
40°-50°	643.3	17.7
50°-60°	767.2	21.1
60°-70°	795.0	21.8
70°-80°	438.7	12.1
80°-90°	25.0	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°	3639.3	100.0
0°-180°	3639.3	100.0

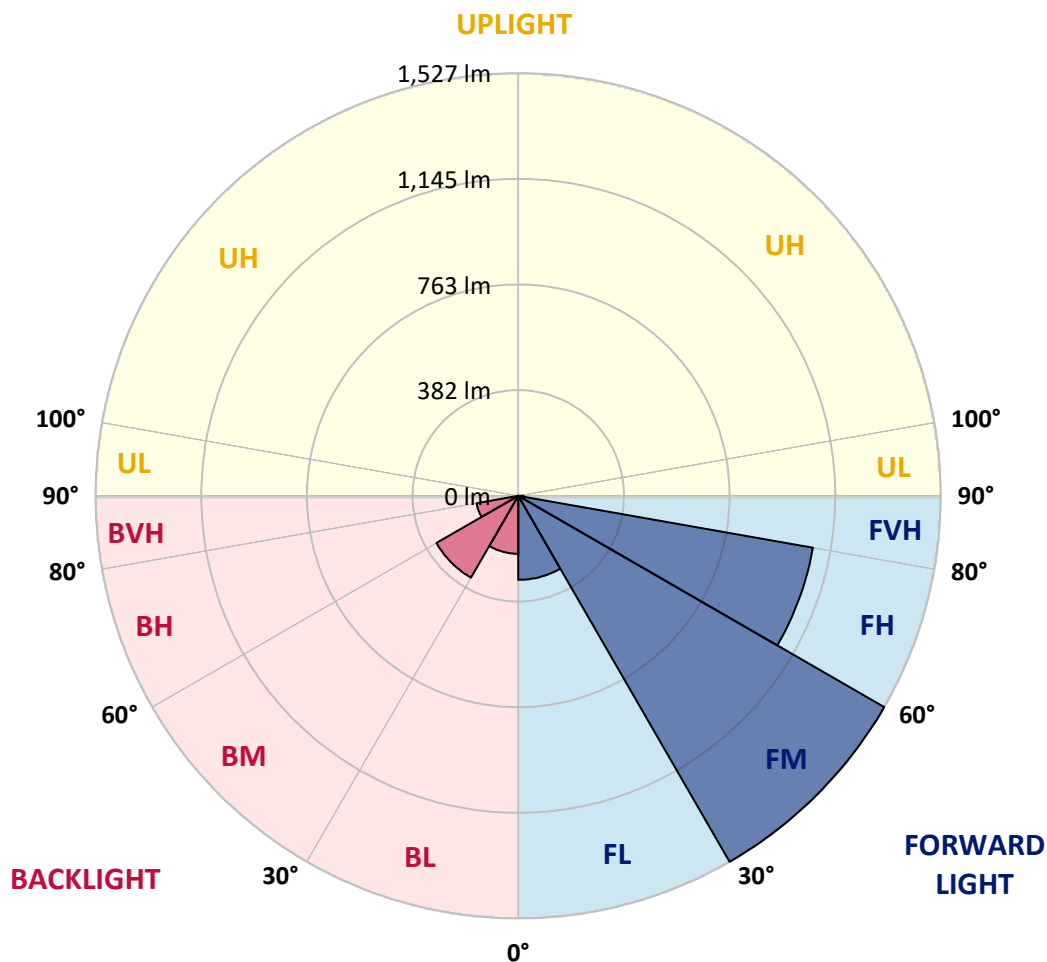


REPORT NUMBER: P507474  
 CATALOG NUMBER: VERD-S-CA1-30-722-U-T3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	303.6	8.3			
FM (30°-60°)	1526.5	41.9			
FH (60°-80°)	1080.6	29.7			G1/1800
FVH (80°-90°)	19.4	0.5			G1/100
BL (0°-30°)	209.4	5.8	B1/500		
BM (30°-60°)	341.2	9.4	B1/1000		
BH (60°-80°)	153.1	4.2	B1/500		G1/500
BVH (80°-90°)	5.6	0.2			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 III Medium





REPORT NUMBER: P507474

CATALOG NUMBER: VERD-S-CA1-30-722-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1
2.5°	530.3	530.3	530.3	529.3	529.3	529.3	528.1	527.1	527.1	527.1	528.1
5°	544.7	544.7	543.7	542.5	541.4	538.1	535.8	534.8	534.8	533.6	535.8
7.5°	562.4	562.4	562.4	560.2	556.9	552.4	548.0	544.7	543.7	542.5	543.7
10°	588.9	588.9	586.7	583.4	577.8	571.3	563.4	556.9	555.7	553.6	555.7
12.5°	623.2	619.8	617.6	612.1	605.4	594.4	582.3	572.3	570.1	567.9	575.6
15°	658.5	657.5	651.9	648.6	637.5	623.2	606.6	593.4	591.2	586.7	593.4
17.5°	700.5	701.6	699.4	693.9	678.4	657.5	637.5	618.8	616.5	613.3	616.5
20°	758.0	755.7	751.3	743.6	725.9	698.3	672.9	651.9	648.6	646.4	643.1
22.5°	815.4	816.6	807.7	799.9	777.8	751.3	717.1	691.6	687.3	686.1	670.7
25°	870.7	872.8	869.5	859.6	840.9	806.6	769.1	738.1	732.6	731.4	705.0
27.5°	928.1	929.2	932.6	928.1	908.3	872.8	830.8	795.5	795.5	786.7	747.0
30°	983.4	985.6	987.8	987.8	977.9	946.9	910.5	879.5	879.5	872.8	804.4
32.5°	1026.5	1027.6	1040.8	1051.9	1051.9	1029.8	1005.5	1002.2	1001.0	1013.2	935.9
35°	1065.1	1068.4	1087.2	1117.0	1129.2	1120.3	1121.5	1133.7	1145.8	1175.6	1117.0
37.5°	1093.9	1098.2	1116.0	1150.3	1184.4	1207.7	1229.8	1262.9	1281.7	1327.0	1246.3
40°	1101.6	1107.1	1144.7	1193.3	1248.5	1301.6	1341.4	1382.2	1394.4	1426.4	1324.8
42.5°	1077.3	1082.8	1130.3	1228.6	1306.0	1388.9	1431.9	1483.9	1504.9	1492.7	1389.9
45°	1060.7	1064.1	1113.8	1225.4	1355.8	1473.9	1515.9	1570.1	1583.3	1554.6	1444.1
47.5°	1039.7	1043.0	1094.9	1220.9	1396.6	1546.9	1575.6	1635.2	1648.5	1604.3	1490.5
50°	1008.7	1011.0	1070.6	1212.0	1423.1	1598.8	1630.9	1690.5	1696.0	1650.8	1534.7
52.5°	971.2	977.9	1035.3	1191.1	1441.9	1630.9	1669.5	1733.6	1741.3	1710.4	1583.3
55°	920.4	928.1	994.5	1160.1	1435.3	1641.9	1687.2	1791.0	1804.3	1778.9	1624.2
57.5°	868.5	879.5	944.6	1117.0	1408.8	1658.5	1745.8	1876.2	1893.8	1846.3	1657.3
60°	815.4	819.8	887.2	1058.6	1364.6	1675.0	1812.1	1987.8	2004.3	1912.6	1683.9
62.5°	754.7	760.2	819.8	977.9	1288.3	1659.6	1861.8	2081.7	2091.6	1967.9	1694.9
65°	683.9	683.9	734.8	879.5	1185.6	1604.3	1868.3	2130.2	2136.9	2003.2	1681.7
67.5°	585.7	590.0	630.9	758.0	1047.5	1496.0	1830.8	2141.3	2157.8	2025.3	1645.2
70°	454.1	464.0	498.3	607.7	855.2	1345.7	1774.5	2159.0	2172.2	1993.3	1563.4
72.5°	310.4	320.4	351.4	416.5	616.5	1079.5	1605.4	1992.1	1995.5	1837.5	1404.3
75°	81.8	90.6	114.9	166.8	258.5	725.9	1284.0	1687.2	1707.0	1588.9	1159.0
77.5°	24.3	24.3	29.8	38.7	53.0	148.1	653.0	1075.1	1094.9	1047.5	722.6
80°	18.8	18.8	22.1	26.5	34.3	76.3	226.6	396.6	421.0	449.7	298.4
82.5°	12.2	13.2	14.4	15.4	15.4	31.0	60.8	101.6	100.6	109.4	96.1
85°	7.7	7.7	6.7	6.7	5.5	7.7	5.5	6.7	7.7	7.7	8.9
87.5°	1.2	0.0	0.0	0.0	0.0	1.2	1.2	2.2	2.2	2.2	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



REPORT NUMBER: P507474

CATALOG NUMBER: VERD-S-CA1-30-722-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1
2.5°	529.3	530.3	531.5	532.6	534.8	534.8	535.8	535.8	535.8	535.8	535.8
5°	535.8	537.0	540.3	543.7	551.4	555.7	560.2	563.4	563.4	565.8	565.8
7.5°	545.8	549.2	559.1	563.4	570.1	576.8	580.1	581.2	583.4	583.4	583.4
10°	562.4	565.8	573.5	576.8	580.1	580.1	579.0	577.8	574.5	573.5	574.5
12.5°	577.8	582.3	582.3	581.2	577.8	573.5	567.9	562.4	556.9	552.4	552.4
15°	596.7	594.4	587.8	579.0	570.1	559.1	548.0	538.1	529.3	525.9	525.9
17.5°	613.3	607.7	593.4	576.8	557.9	540.3	522.6	506.0	490.6	485.1	481.8
20°	633.1	623.2	597.7	572.3	545.8	518.2	488.3	458.5	432.1	421.0	419.9
22.5°	656.3	639.7	604.4	565.8	530.3	488.3	438.6	396.6	370.1	356.9	354.7
25°	683.9	659.6	611.0	560.2	511.6	449.7	383.4	335.9	302.7	288.3	282.8
27.5°	718.2	686.1	619.8	553.6	482.8	402.1	327.0	271.8	235.3	217.7	215.5
30°	762.4	718.2	628.7	543.7	447.5	346.9	266.2	204.5	168.0	150.3	145.9
32.5°	864.0	783.3	639.7	527.1	403.3	293.9	201.1	137.0	100.6	84.0	82.8
35°	1036.3	930.4	665.2	505.0	359.1	230.9	129.3	72.9	54.2	47.5	47.5
37.5°	1165.7	1053.0	733.6	476.2	301.7	154.6	66.3	43.1	34.3	33.1	33.1
40°	1243.0	1125.9	808.8	444.1	233.1	82.8	40.8	33.1	31.0	29.8	29.8
42.5°	1307.1	1186.6	844.2	404.4	148.1	46.4	34.3	31.0	28.8	27.6	27.6
45°	1360.1	1233.1	848.6	353.6	82.8	38.7	32.0	27.6	26.5	25.4	25.4
47.5°	1402.1	1272.9	837.5	281.8	51.9	36.5	29.8	25.4	23.2	23.2	23.2
50°	1441.9	1307.1	806.6	222.1	48.7	34.3	27.6	23.2	22.1	22.1	22.1
52.5°	1478.4	1331.4	754.7	179.0	45.3	32.0	26.5	22.1	19.9	20.9	20.9
55°	1508.2	1341.4	701.6	138.1	43.1	31.0	25.4	20.9	18.8	18.8	18.8
57.5°	1524.8	1320.3	657.5	104.9	42.0	29.8	24.3	19.9	16.6	15.4	15.4
60°	1525.9	1292.7	616.5	88.4	39.8	27.6	23.2	17.7	14.4	13.2	13.2
62.5°	1506.0	1259.6	554.7	76.3	37.5	26.5	20.9	16.6	13.2	12.2	12.2
65°	1467.4	1201.0	486.1	65.2	36.5	26.5	18.8	15.4	13.2	11.0	11.0
67.5°	1405.5	1103.8	394.4	57.4	34.3	24.3	18.8	14.4	12.2	11.0	11.0
70°	1288.3	964.5	272.9	49.7	32.0	22.1	17.7	14.4	12.2	9.9	9.9
72.5°	1110.4	783.3	134.9	40.8	27.6	22.1	17.7	13.2	11.0	9.9	9.9
75°	858.5	561.3	81.8	33.1	22.1	19.9	16.6	13.2	11.0	8.9	8.9
77.5°	505.0	249.7	58.6	25.4	16.6	15.4	14.4	12.2	9.9	8.9	8.9
80°	184.6	106.1	43.1	19.9	13.2	13.2	11.0	9.9	8.9	7.7	7.7
82.5°	71.8	56.4	28.8	14.4	11.0	9.9	8.9	7.7	6.7	6.7	6.7
85°	9.9	9.9	9.9	7.7	6.7	6.7	5.5	5.5	4.4	4.4	4.4
87.5°	3.3	3.3	3.3	4.4	3.3	3.3	2.2	2.2	2.2	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)