

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: P507514

Luminaire Tested: **VERD-S-CA1-30-760-U-T3-HSS**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507514  
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-CA1-30-760-U-T3-HSS  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 5700K, 590mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4451.7 lumens  
Efficiency: N/A  
Efficacy: 130.9 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

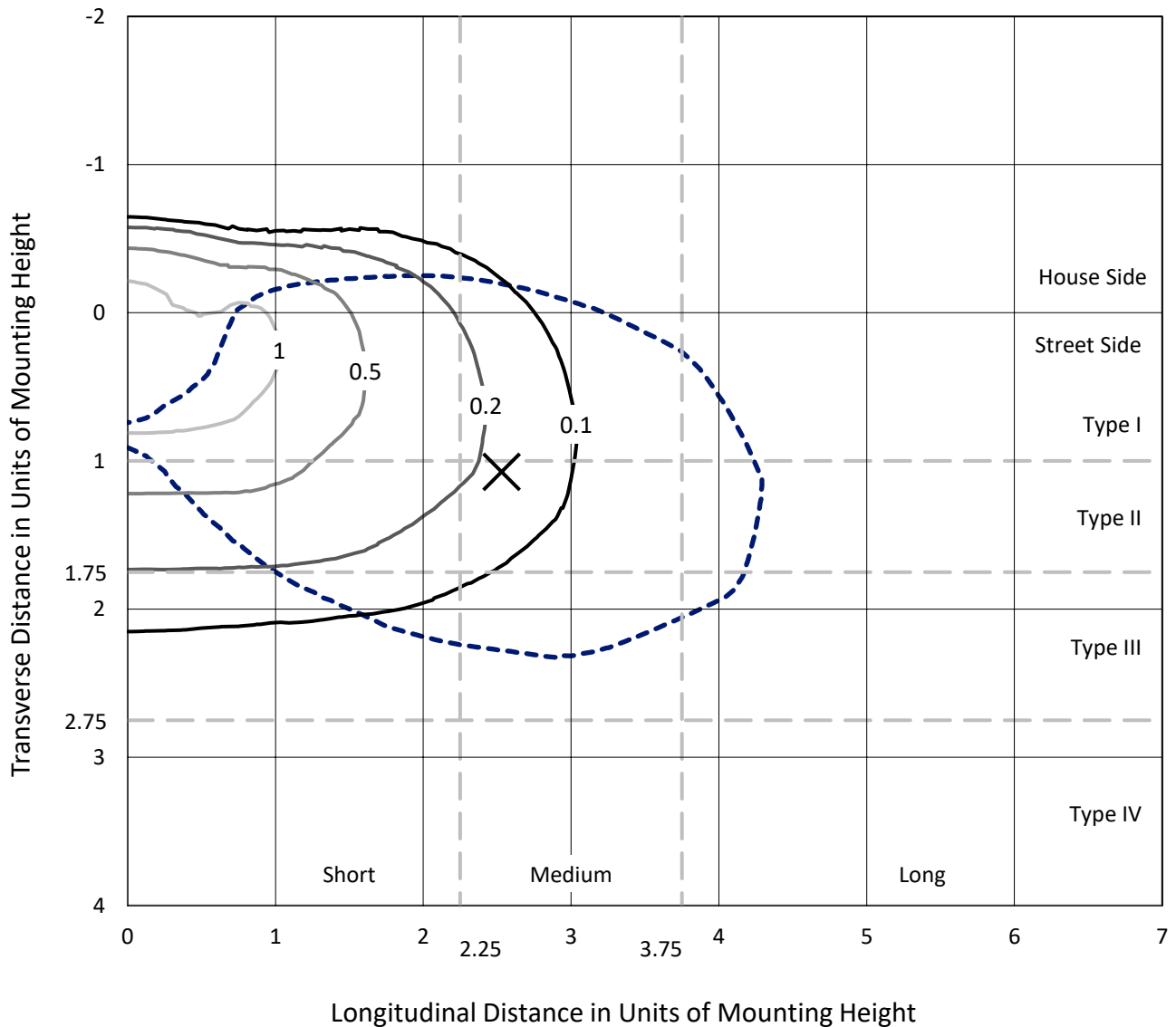




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### Iso-Footcandle Lines of Horizontal Illumination

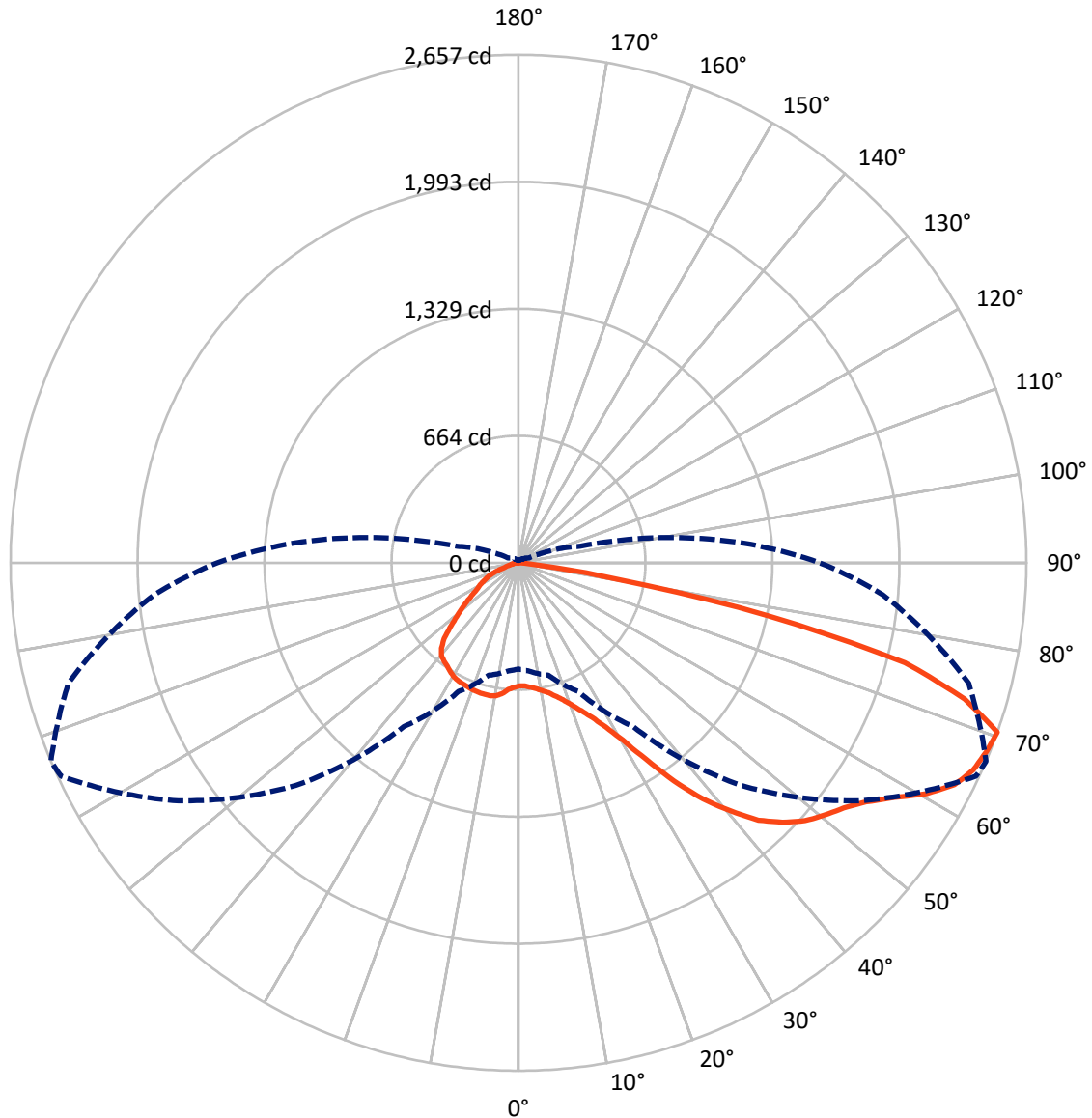
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type 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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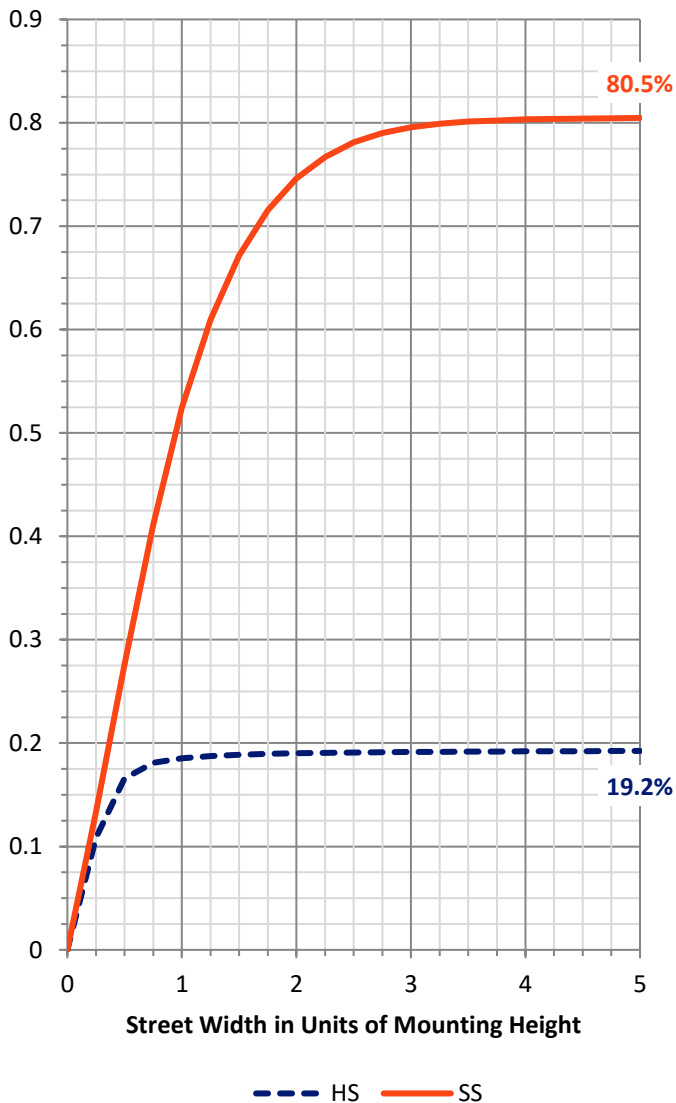
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	867.5	0.0	867.5
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	3584.1	0.0	3584.1
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	4451.7	0.0	4451.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.9	1.5
10°-20°	205.5	4.6
20°-30°	357.1	8.0
30°-40°	559.2	12.6
40°-50°	786.9	17.7
50°-60°	938.5	21.1
60°-70°	972.4	21.8
70°-80°	536.6	12.1
80°-90°	30.5	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°	4451.7	100.0
0°-180°	4451.7	100.0

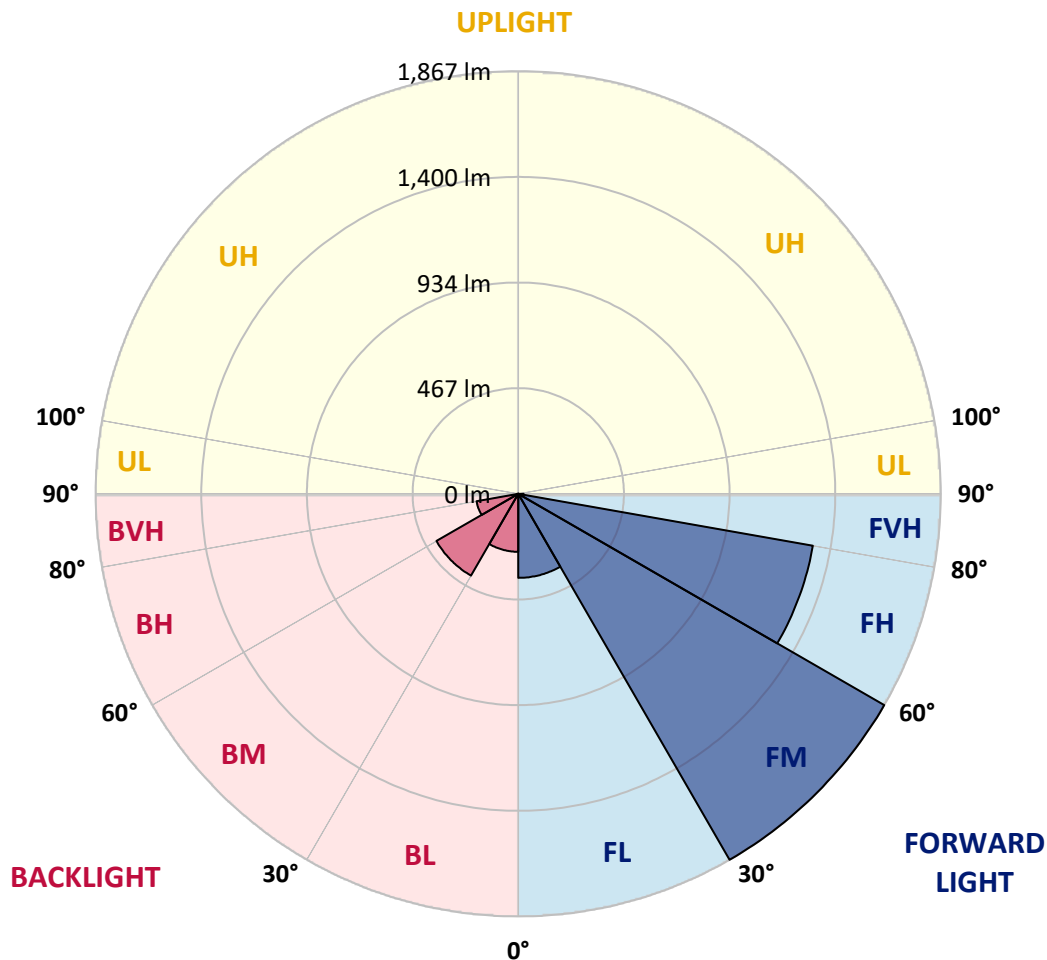


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	371.3	8.3			
FM (30°-60°)	1867.3	41.9			
FH (60°-80°)	1321.8	29.7			G1/1800
FVH (80°-90°)	23.7	0.5			G1/100
BL (0°-30°)	256.2	5.8	B1/500		
BM (30°-60°)	417.3	9.4	B1/1000		
BH (60°-80°)	187.3	4.2	B1/500		G1/500
BVH (80°-90°)	6.8	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	644.7	644.7	644.7	644.7	644.7	644.7	644.7	644.7	644.7	644.7	644.7
2.5°	648.7	648.7	648.7	647.3	647.3	647.3	646.1	644.7	644.7	644.7	646.1
5°	666.3	666.3	664.9	663.6	662.3	658.1	655.5	654.1	654.1	652.7	655.5
7.5°	687.9	687.9	687.9	685.2	681.2	675.7	670.3	666.3	664.9	663.6	664.9
10°	720.4	720.4	717.6	713.6	706.8	698.8	689.3	681.2	679.8	677.1	679.8
12.5°	762.3	758.2	755.5	748.7	740.6	727.1	712.2	700.1	697.4	694.7	704.2
15°	805.5	804.2	797.4	793.3	779.9	762.3	742.0	725.8	723.0	717.6	725.8
17.5°	856.9	858.2	855.5	848.8	829.8	804.2	779.9	756.9	754.1	750.1	754.1
20°	927.2	924.4	919.0	909.5	887.9	854.2	823.0	797.4	793.3	790.7	786.6
22.5°	997.5	998.8	988.0	978.5	951.4	919.0	877.1	846.0	840.6	839.2	820.4
25°	1065.0	1067.8	1063.6	1051.5	1028.5	986.6	940.6	902.9	896.1	894.7	862.3
27.5°	1135.3	1136.7	1140.7	1135.3	1110.9	1067.8	1016.3	973.1	973.1	962.2	913.6
30°	1202.8	1205.6	1208.2	1208.2	1196.0	1158.3	1113.7	1075.8	1075.8	1067.8	983.9
32.5°	1255.5	1256.9	1273.1	1286.6	1286.6	1259.7	1229.9	1225.8	1224.5	1239.3	1144.7
35°	1302.8	1307.0	1329.9	1366.3	1381.3	1370.5	1371.7	1386.7	1401.5	1438.0	1366.3
37.5°	1338.0	1343.4	1365.1	1407.0	1448.8	1477.3	1504.3	1544.8	1567.8	1623.2	1524.5
40°	1347.5	1354.3	1400.2	1459.7	1527.2	1592.1	1640.8	1690.8	1705.6	1744.8	1620.5
42.5°	1317.8	1324.5	1382.6	1502.9	1597.5	1698.9	1751.6	1815.1	1840.7	1825.9	1700.2
45°	1297.4	1301.6	1362.3	1498.9	1658.4	1803.0	1854.3	1920.5	1936.7	1901.6	1766.4
47.5°	1271.8	1275.8	1339.4	1493.5	1708.3	1892.2	1927.3	2000.2	2016.4	1962.5	1823.2
50°	1233.9	1236.7	1309.6	1482.7	1740.7	1955.7	1994.9	2067.9	2074.6	2019.2	1877.3
52.5°	1188.0	1196.0	1266.4	1456.9	1763.8	1994.9	2042.2	2120.6	2130.0	2092.1	1936.7
55°	1125.9	1135.3	1216.4	1419.2	1755.6	2008.4	2063.8	2190.9	2207.1	2176.0	1986.7
57.5°	1062.3	1075.8	1155.5	1366.3	1723.3	2028.6	2135.4	2294.9	2316.5	2258.4	2027.2
60°	997.5	1002.9	1085.2	1294.8	1669.2	2048.9	2216.5	2431.4	2451.7	2339.5	2059.7
62.5°	923.1	929.8	1002.9	1196.0	1575.9	2030.0	2277.3	2546.3	2558.5	2407.1	2073.3
65°	836.6	836.6	898.7	1075.8	1450.2	1962.5	2285.4	2605.8	2613.8	2450.3	2057.0
67.5°	716.4	721.8	771.7	927.2	1281.2	1829.9	2239.5	2619.2	2639.5	2477.4	2012.4
70°	555.5	567.6	609.6	743.3	1046.1	1646.2	2170.6	2640.9	2657.1	2438.1	1912.4
72.5°	379.8	391.9	429.7	509.5	754.1	1320.4	1963.7	2436.9	2440.9	2247.6	1717.8
75°	100.0	110.8	140.6	204.1	316.3	887.9	1570.5	2063.8	2088.1	1943.5	1417.8
77.5°	29.7	29.7	36.5	47.3	64.9	181.1	798.7	1315.0	1339.4	1281.2	883.9
80°	23.0	23.0	27.0	32.4	41.9	93.2	277.1	485.2	514.9	550.1	364.9
82.5°	14.8	16.2	17.6	18.9	18.9	37.9	74.3	124.4	123.0	133.8	117.6
85°	9.4	9.4	8.1	8.1	6.8	9.4	6.8	8.1	9.4	9.4	10.8
87.5°	1.4	0.0	0.0	0.0	0.0	1.4	1.4	2.6	2.6	2.6	4.0
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°	644.7	644.7	644.7	644.7	644.7	644.7	644.7	644.7	644.7	644.7	644.7
2.5°	647.3	648.7	650.1	651.5	654.1	654.1	655.5	655.5	655.5	655.5	655.5
5°	655.5	656.9	660.9	664.9	674.4	679.8	685.2	689.3	689.3	692.0	692.0
7.5°	667.7	671.7	683.9	689.3	697.4	705.5	709.6	711.0	713.6	713.6	713.6
10°	687.9	692.0	701.4	705.5	709.6	709.6	708.2	706.8	702.8	701.4	702.8
12.5°	706.8	712.2	712.2	711.0	706.8	701.4	694.7	687.9	681.2	675.7	675.7
15°	729.8	727.1	719.0	708.2	697.4	683.9	670.3	658.1	647.3	643.3	643.3
17.5°	750.1	743.3	725.8	705.5	682.5	660.9	639.3	619.0	600.0	593.4	589.2
20°	774.5	762.3	731.2	700.1	667.7	633.9	597.4	560.9	528.5	514.9	513.6
22.5°	802.8	782.5	739.3	692.0	648.7	597.4	536.5	485.2	452.8	436.5	433.9
25°	836.6	806.9	747.4	685.2	625.8	550.1	469.0	410.9	370.3	352.8	346.0
27.5°	878.5	839.2	758.2	677.1	590.6	492.0	400.1	332.5	287.9	266.2	263.6
30°	932.6	878.5	769.1	664.9	547.3	424.3	325.7	250.0	205.4	183.8	178.5
32.5°	1056.9	958.2	782.5	644.7	493.3	359.6	246.0	167.6	123.0	102.7	101.4
35°	1267.7	1137.9	813.6	617.6	439.3	282.5	158.1	89.2	66.3	58.1	58.1
37.5°	1425.8	1288.0	897.5	582.5	369.0	189.2	81.1	52.7	41.9	40.5	40.5
40°	1520.5	1377.2	989.3	543.3	285.1	101.4	50.1	40.5	37.9	36.5	36.5
42.5°	1598.9	1451.6	1032.5	494.6	181.1	56.7	41.9	37.9	35.1	33.8	33.8
45°	1663.8	1508.3	1038.0	432.5	101.4	47.3	39.2	33.8	32.4	31.1	31.1
47.5°	1715.1	1557.0	1024.5	344.6	63.5	44.6	36.5	31.1	28.4	28.4	28.4
50°	1763.8	1598.9	986.6	271.7	59.5	41.9	33.8	28.4	27.0	27.0	27.0
52.5°	1808.4	1628.6	923.1	219.0	55.5	39.2	32.4	27.0	24.3	25.7	25.7
55°	1844.9	1640.8	858.2	168.9	52.7	37.9	31.1	25.7	23.0	23.0	23.0
57.5°	1865.1	1615.1	804.2	128.4	51.3	36.5	29.7	24.3	20.3	18.9	18.9
60°	1866.5	1581.3	754.1	108.2	48.7	33.8	28.4	21.6	17.6	16.2	16.2
62.5°	1842.1	1540.8	678.5	93.2	45.9	32.4	25.7	20.3	16.2	14.8	14.8
65°	1794.8	1469.1	594.6	79.7	44.6	32.4	23.0	18.9	16.2	13.5	13.5
67.5°	1719.1	1350.2	482.4	70.3	41.9	29.7	23.0	17.6	14.8	13.5	13.5
70°	1575.9	1179.9	333.8	60.9	39.2	27.0	21.6	17.6	14.8	12.2	12.2
72.5°	1358.3	958.2	164.9	50.1	33.8	27.0	21.6	16.2	13.5	12.2	12.2
75°	1050.2	686.6	100.0	40.5	27.0	24.3	20.3	16.2	13.5	10.8	10.8
77.5°	617.6	305.5	71.7	31.1	20.3	18.9	17.6	14.8	12.2	10.8	10.8
80°	225.7	129.8	52.7	24.3	16.2	16.2	13.5	12.2	10.8	9.4	9.4
82.5°	87.9	68.9	35.1	17.6	13.5	12.2	10.8	9.4	8.1	8.1	8.1
85°	12.2	12.2	12.2	9.4	8.1	8.1	6.8	6.8	5.4	5.4	5.4
87.5°	4.0	4.0	4.0	5.4	4.0	4.0	2.6	2.6	2.6	4.0	4.0
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)