

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: P507506

Luminaire Tested: **VERD-S-CA1-30-750-U-T3-HSS**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507506  
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-CA1-30-750-U-T3-HSS  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 5000K, 590mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4548.3 lumens  
Efficiency: N/A  
Efficacy: 133.8 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

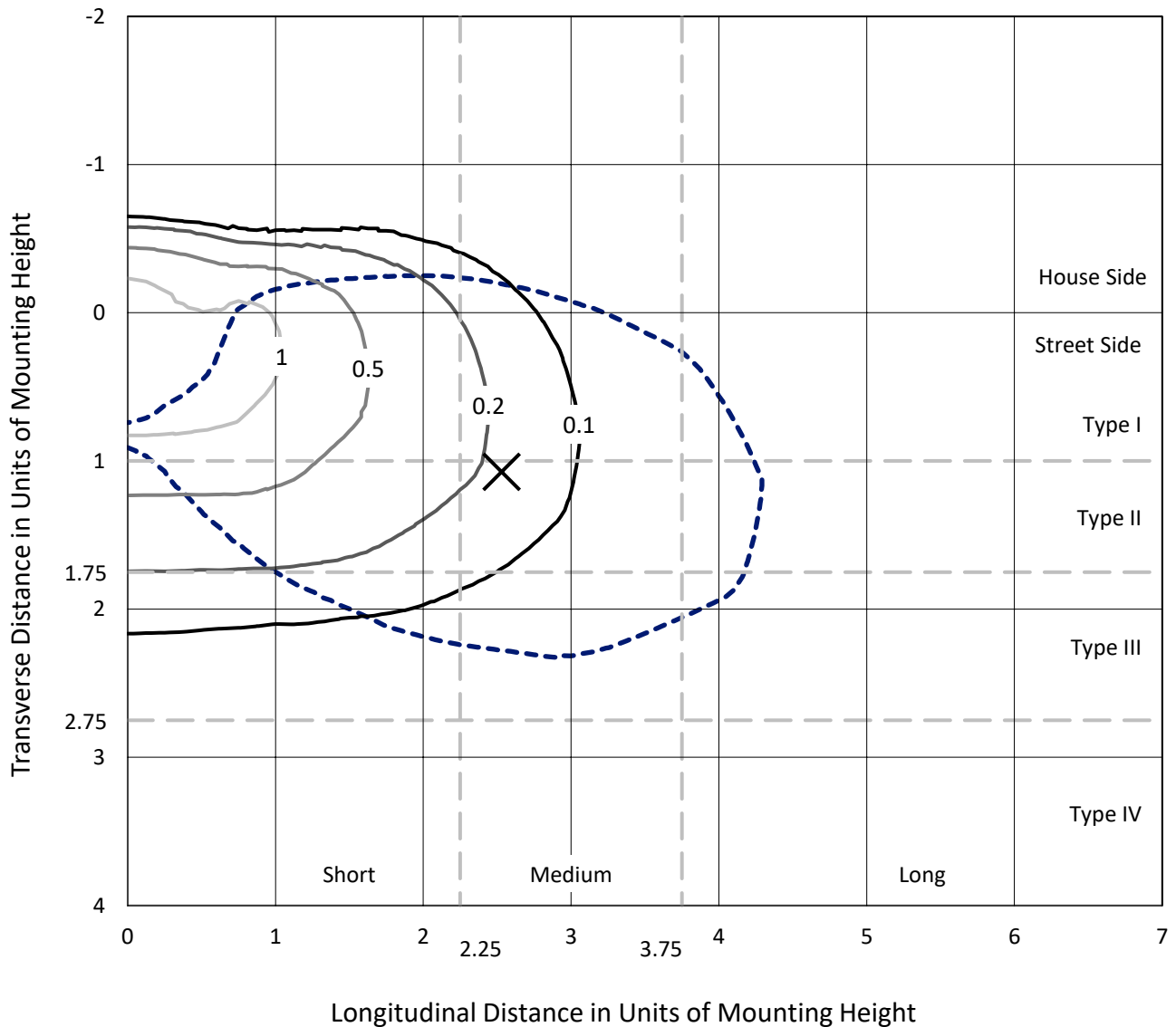




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### Iso-Footcandle Lines of Horizontal Illumination

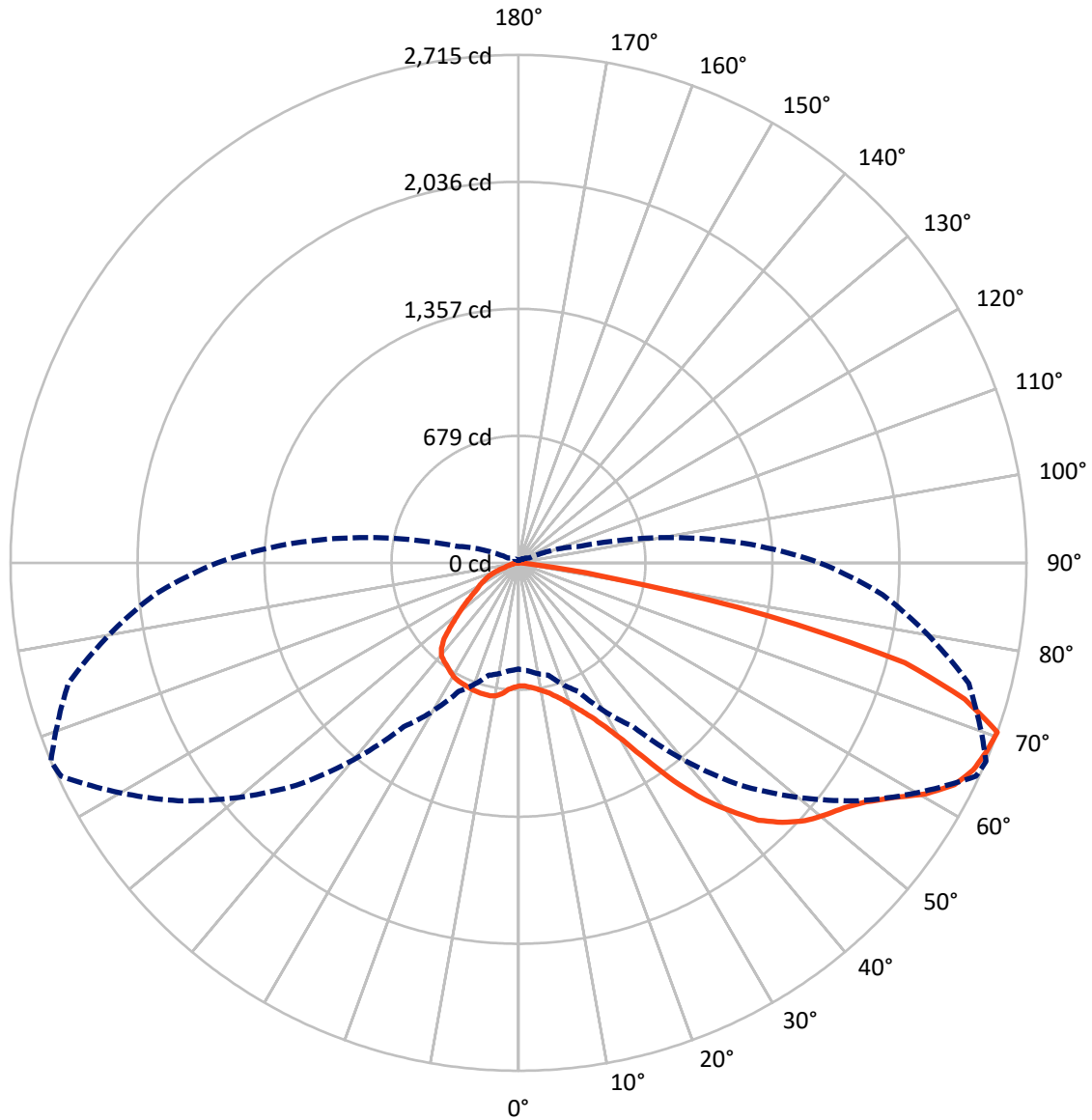
✕ Max cd  
 - - - 1/2 Max cd



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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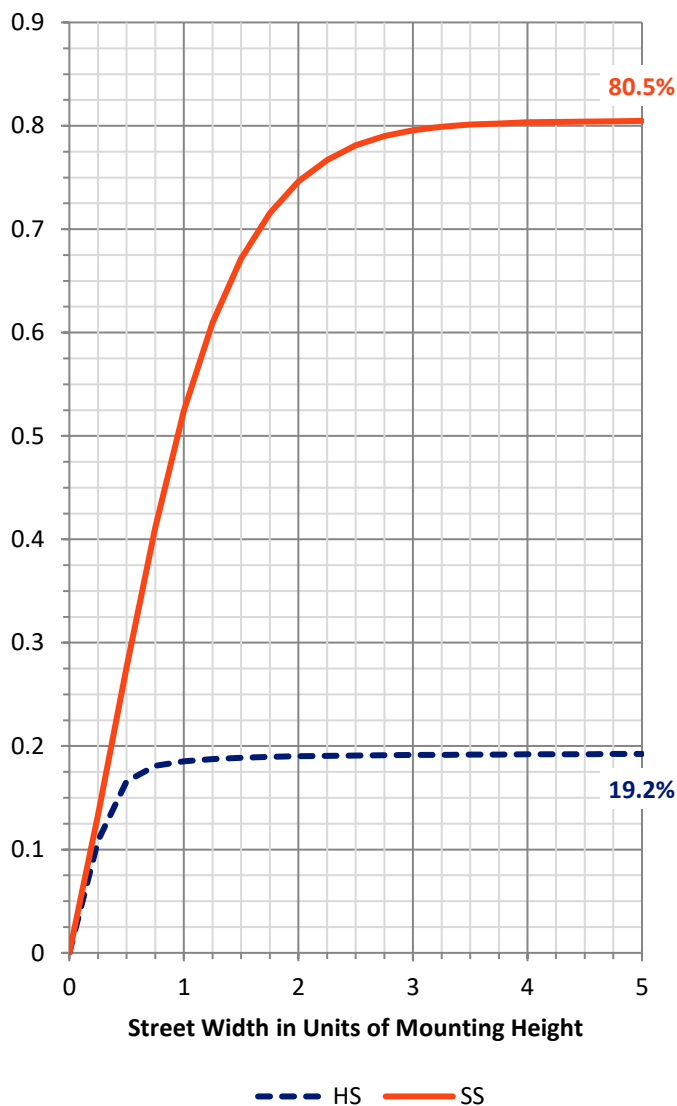
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	886.4	0.0	886.4
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	3661.9	0.0	3661.9
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	4548.3	0.0	4548.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.3	1.5
10°-20°	210.0	4.6
20°-30°	364.9	8.0
30°-40°	571.4	12.6
40°-50°	803.9	17.7
50°-60°	958.8	21.1
60°-70°	993.6	21.8
70°-80°	548.3	12.1
80°-90°	31.2	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°	4548.3	100.0
0°-180°	4548.3	100.0

**Coefficient of Utilization**

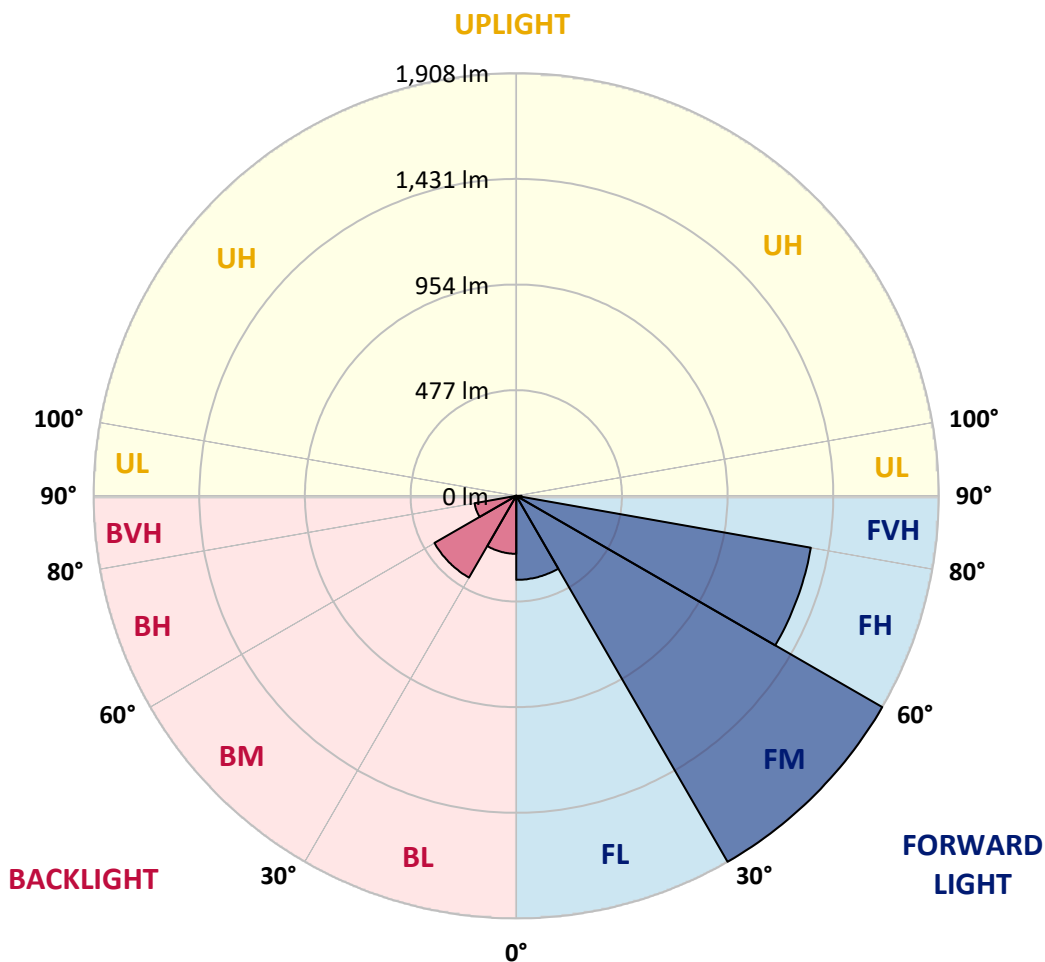


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	379.4	8.3			
FM (30°-60°)	1907.8	41.9			
FH (60°-80°)	1350.5	29.7			G1/1800
FVH (80°-90°)	24.3	0.5			G1/100
BL (0°-30°)	261.7	5.8	B1/500		
BM (30°-60°)	426.4	9.4	B1/1000		
BH (60°-80°)	191.3	4.2	B1/500		G1/500
BVH (80°-90°)	7.0	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°	658.7	658.7	658.7	658.7	658.7	658.7	658.7	658.7	658.7	658.7	658.7
2.5°	662.9	662.9	662.9	661.5	661.5	661.5	660.1	658.7	658.7	658.7	660.1
5°	680.8	680.8	679.4	678.0	676.7	672.5	669.8	668.4	668.4	667.0	669.8
7.5°	702.9	702.9	702.9	700.1	696.0	690.5	685.0	680.8	679.4	678.0	679.4
10°	736.0	736.0	733.3	729.1	722.2	713.9	704.3	696.0	694.6	691.9	694.6
12.5°	778.8	774.7	771.9	765.0	756.7	742.9	727.8	715.3	712.6	709.8	719.5
15°	823.0	821.6	814.7	810.6	796.8	778.8	758.1	741.6	738.8	733.3	741.6
17.5°	875.5	876.9	874.1	867.2	847.9	821.6	796.8	773.3	770.6	766.4	770.6
20°	947.3	944.5	939.0	929.3	907.2	872.7	841.0	814.7	810.6	807.8	803.7
22.5°	1019.1	1020.5	1009.4	999.8	972.1	939.0	896.2	864.4	858.9	857.5	838.2
25°	1088.1	1090.9	1086.7	1074.3	1050.8	1008.0	961.1	922.4	915.5	914.2	881.0
27.5°	1159.9	1161.3	1165.4	1159.9	1135.1	1090.9	1038.4	994.2	994.2	983.2	933.5
30°	1229.0	1231.7	1234.5	1234.5	1222.1	1183.4	1137.8	1099.2	1099.2	1090.9	1005.3
32.5°	1282.8	1284.2	1300.8	1314.6	1314.6	1286.9	1256.6	1252.4	1251.0	1266.2	1169.6
35°	1331.1	1335.3	1358.7	1396.0	1411.2	1400.2	1401.5	1416.7	1431.9	1469.2	1396.0
37.5°	1367.0	1372.6	1394.6	1437.4	1480.2	1509.2	1536.9	1578.3	1601.9	1658.5	1557.6
40°	1376.7	1383.6	1430.5	1491.3	1560.3	1626.7	1676.4	1727.5	1742.7	1782.7	1655.7
42.5°	1346.3	1353.2	1412.6	1535.5	1632.2	1735.8	1789.6	1854.5	1880.8	1865.6	1737.2
45°	1325.6	1329.7	1391.9	1531.3	1694.4	1842.1	1894.6	1962.2	1978.8	1942.9	1804.8
47.5°	1299.4	1303.5	1368.4	1525.8	1745.5	1933.2	1969.1	2043.7	2060.3	2005.0	1862.8
50°	1260.7	1263.5	1338.0	1514.8	1778.6	1998.1	2038.2	2112.7	2119.6	2063.0	1918.1
52.5°	1213.8	1222.1	1293.8	1488.5	1802.1	2038.2	2086.5	2166.6	2176.2	2137.6	1978.8
55°	1150.3	1159.9	1242.8	1449.9	1793.8	2052.0	2108.6	2238.4	2254.9	2223.2	2029.9
57.5°	1085.4	1099.2	1180.6	1396.0	1760.6	2072.7	2181.8	2344.7	2366.8	2307.4	2071.3
60°	1019.1	1024.6	1108.8	1322.8	1705.4	2093.4	2264.6	2484.1	2504.9	2390.3	2104.4
62.5°	943.1	950.1	1024.6	1222.1	1610.1	2074.1	2326.7	2601.5	2613.9	2459.3	2118.3
65°	854.8	854.8	918.3	1099.2	1481.6	2005.0	2335.0	2662.4	2670.7	2503.5	2101.7
67.5°	731.9	737.4	788.5	947.3	1309.0	1869.7	2288.1	2676.2	2696.9	2531.1	2056.1
70°	567.6	580.0	622.8	759.5	1068.8	1681.9	2217.7	2698.3	2714.8	2491.0	1953.9
72.5°	388.0	400.4	439.1	520.5	770.6	1349.1	2006.4	2489.7	2493.8	2296.4	1755.1
75°	102.2	113.2	143.6	208.5	323.1	907.2	1604.6	2108.6	2133.4	1985.7	1448.5
77.5°	30.4	30.4	37.3	48.3	66.3	185.0	816.1	1343.6	1368.4	1309.0	903.1
80°	23.5	23.5	27.6	33.1	42.8	95.3	283.0	495.7	526.1	562.1	372.8
82.5°	15.2	16.6	17.9	19.3	19.3	38.7	75.9	127.0	125.6	136.7	120.1
85°	9.7	9.7	8.3	8.3	6.9	9.7	6.9	8.3	9.7	9.7	11.0
87.5°	1.4	0.0	0.0	0.0	0.0	1.4	1.4	2.8	2.8	2.8	4.1
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°	658.7	658.7	658.7	658.7	658.7	658.7	658.7	658.7	658.7	658.7	658.7
2.5°	661.5	662.9	664.2	665.6	668.4	668.4	669.8	669.8	669.8	669.8	669.8
5°	669.8	671.1	675.3	679.4	689.1	694.6	700.1	704.3	704.3	707.0	707.0
7.5°	682.2	686.3	698.8	704.3	712.6	720.9	725.0	726.4	729.1	729.1	729.1
10°	702.9	707.0	716.7	720.9	725.0	725.0	723.6	722.2	718.1	716.7	718.1
12.5°	722.2	727.8	727.8	726.4	722.2	716.7	709.8	702.9	696.0	690.5	690.5
15°	745.7	742.9	734.7	723.6	712.6	698.8	685.0	672.5	661.5	657.3	657.3
17.5°	766.4	759.5	741.6	720.9	697.4	675.3	653.2	632.5	613.2	606.3	602.1
20°	791.3	778.8	747.1	715.3	682.2	647.7	610.4	573.1	540.0	526.1	524.7
22.5°	820.3	799.6	755.4	707.0	662.9	610.4	548.3	495.7	462.5	446.0	443.2
25°	854.8	824.4	763.7	700.1	639.4	562.1	479.1	419.7	378.3	360.4	353.5
27.5°	897.6	857.5	774.7	691.9	603.5	502.6	408.7	339.7	294.1	272.0	269.2
30°	952.8	897.6	785.7	679.4	559.3	433.5	332.8	255.4	209.9	187.8	182.3
32.5°	1079.8	979.0	799.6	658.7	504.0	367.3	251.3	171.2	125.6	104.9	103.6
35°	1295.2	1162.7	831.3	631.1	448.7	288.6	161.5	91.1	67.7	59.4	59.4
37.5°	1456.8	1315.9	916.9	595.2	376.9	193.3	82.8	53.8	42.8	41.4	41.4
40°	1553.4	1407.1	1010.8	555.2	291.3	103.6	51.1	41.4	38.7	37.3	37.3
42.5°	1633.6	1483.0	1055.0	505.3	185.0	58.0	42.8	38.7	35.9	34.5	34.5
45°	1699.9	1541.0	1060.5	441.8	103.6	48.3	40.0	34.5	33.1	31.8	31.8
47.5°	1752.4	1590.8	1046.7	352.1	64.9	45.6	37.3	31.8	29.0	29.0	29.0
50°	1802.1	1633.6	1008.0	277.5	60.8	42.8	34.5	29.0	27.6	27.6	27.6
52.5°	1847.6	1664.0	943.1	223.7	56.6	40.0	33.1	27.6	24.9	26.2	26.2
55°	1884.9	1676.4	876.9	172.6	53.8	38.7	31.8	26.2	23.5	23.5	23.5
57.5°	1905.6	1650.2	821.6	131.2	52.5	37.3	30.4	24.9	20.7	19.3	19.3
60°	1907.0	1615.7	770.6	110.5	49.7	34.5	29.0	22.1	17.9	16.6	16.6
62.5°	1882.2	1574.1	693.2	95.3	46.9	33.1	26.2	20.7	16.6	15.2	15.2
65°	1833.8	1501.0	607.6	81.5	45.6	33.1	23.5	19.3	16.6	13.8	13.8
67.5°	1756.5	1379.5	492.9	71.8	42.8	30.4	23.5	17.9	15.2	13.8	13.8
70°	1610.1	1205.5	341.0	62.1	40.0	27.6	22.1	17.9	15.2	12.4	12.4
72.5°	1387.7	979.0	168.4	51.1	34.5	27.6	22.1	16.6	13.8	12.4	12.4
75°	1072.9	701.5	102.2	41.4	27.6	24.9	20.7	16.6	13.8	11.0	11.0
77.5°	631.1	312.0	73.2	31.8	20.7	19.3	17.9	15.2	12.4	11.0	11.0
80°	230.6	132.5	53.8	24.9	16.6	16.6	13.8	12.4	11.0	9.7	9.7
82.5°	89.7	70.4	35.9	17.9	13.8	12.4	11.0	9.7	8.3	8.3	8.3
85°	12.4	12.4	12.4	9.7	8.3	8.3	6.9	6.9	5.5	5.5	5.5
87.5°	4.1	4.1	4.1	5.5	4.1	4.1	2.8	2.8	2.8	4.1	4.1
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)