

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: P507482

Luminaire Tested: **VERD-S-CA1-30-727-U-T3-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507482
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-CA1-30-727-U-T3-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2700K, 590mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3782.1 lumens
Efficiency: N/A
Efficacy: 111.2 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

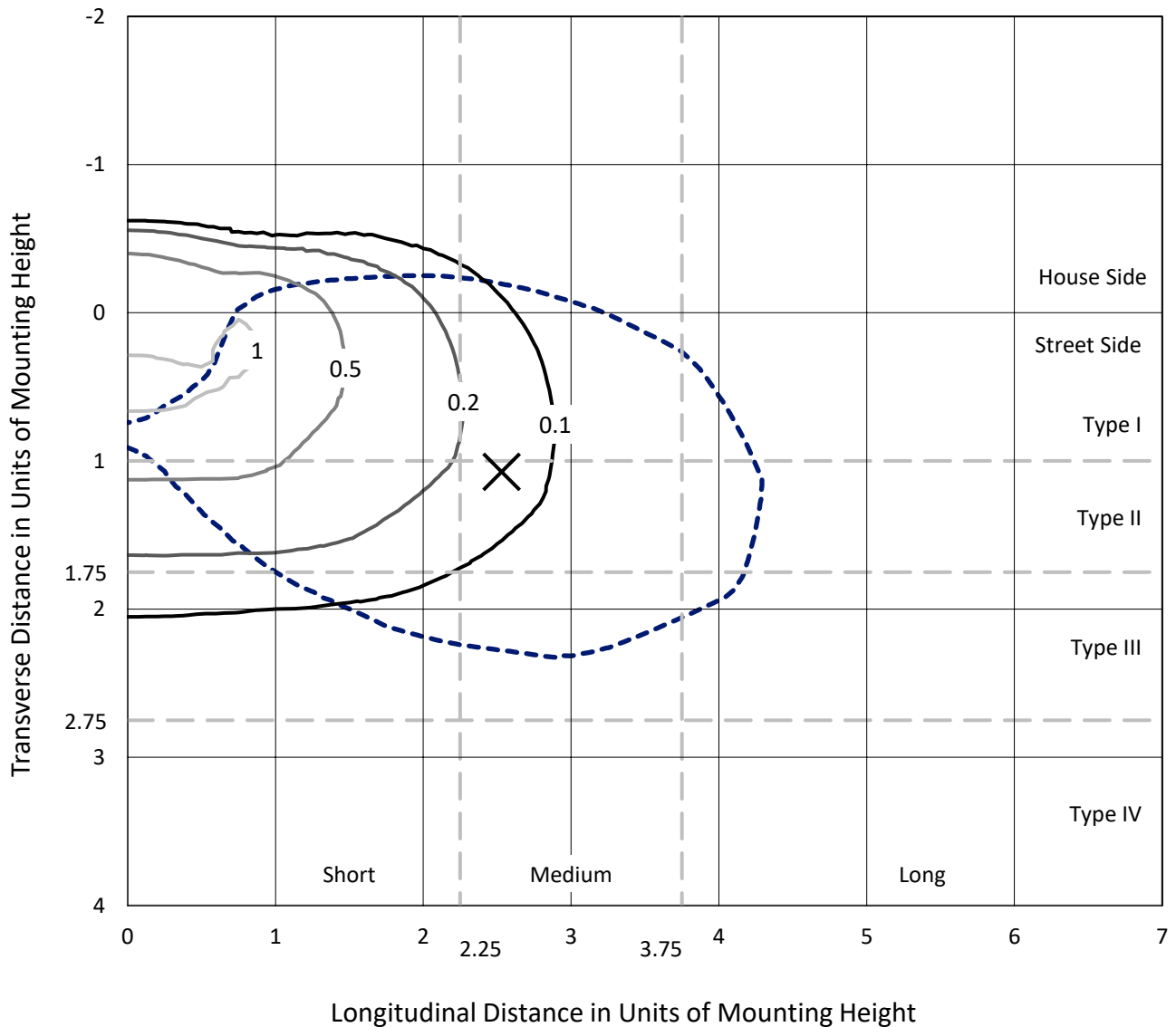
Input Watts (W): 34
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

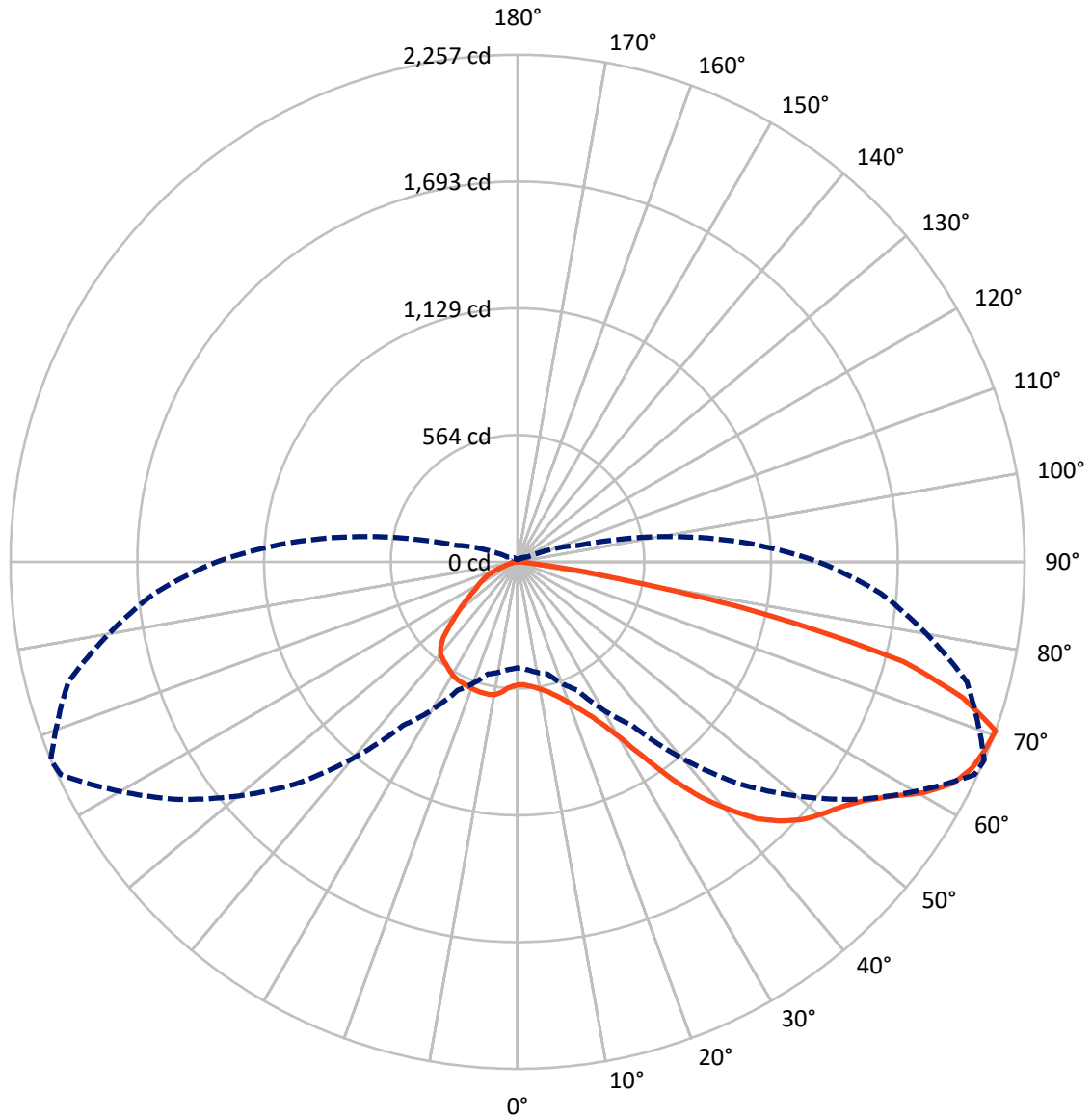
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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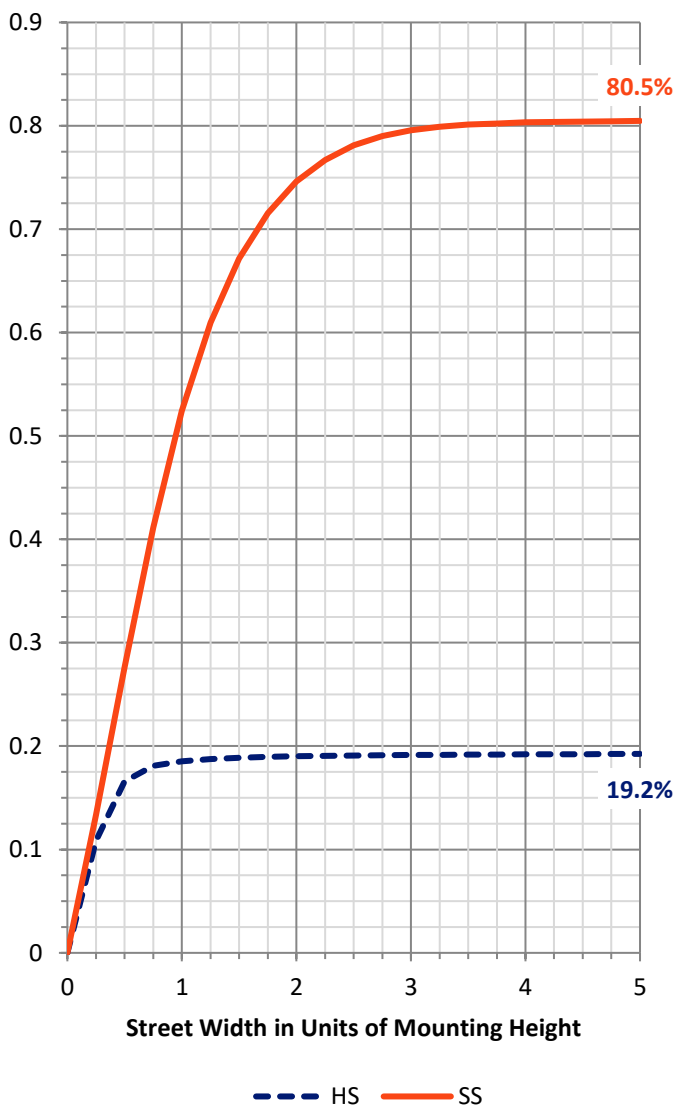
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	737.1	0.0	737.1
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	3045.0	0.0	3045.0
	% Fixture	80.5	0.0	80.5
Total	Lumens	3782.1	0.0	3782.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.1	1.5
10°-20°	174.6	4.6
20°-30°	303.4	8.0
30°-40°	475.1	12.6
40°-50°	668.5	17.7
50°-60°	797.3	21.1
60°-70°	826.2	21.8
70°-80°	455.9	12.1
80°-90°	26.0	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°	3782.1	100.0
0°-180°	3782.1	100.0

Coefficient of Utilization

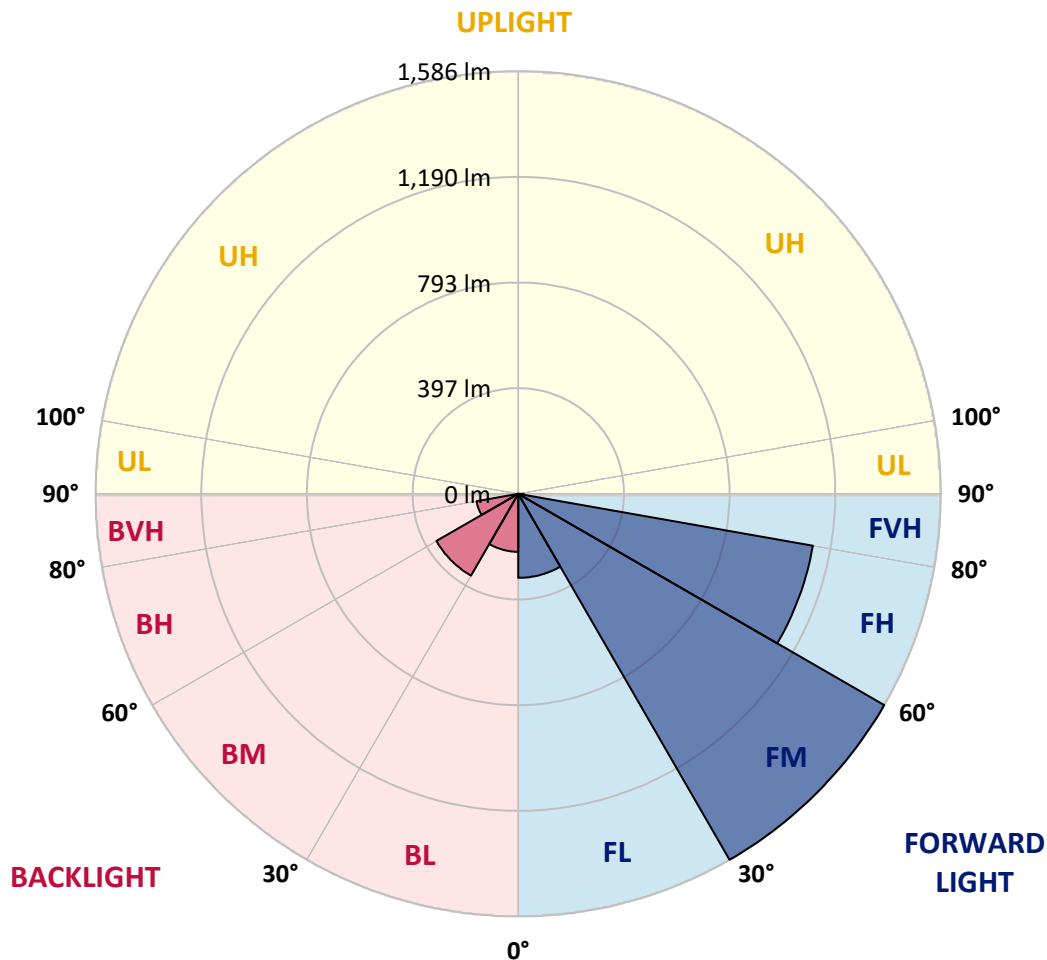


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	315.5	8.3			
FM (30°-60°)	1586.4	41.9			
FH (60°-80°)	1123.0	29.7			G1/1800
FVH (80°-90°)	20.2	0.5			G1/100
BL (0°-30°)	217.6	5.8	B1/500		
BM (30°-60°)	354.5	9.4	B1/1000		
BH (60°-80°)	159.1	4.2	B1/500		G1/500
BVH (80°-90°)	5.8	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°	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7
2.5°	551.1	551.1	551.1	550.0	550.0	550.0	548.8	547.7	547.7	547.7	548.8
5°	566.1	566.1	564.9	563.8	562.6	559.2	556.9	555.7	555.7	554.6	556.9
7.5°	584.4	584.4	584.4	582.2	578.8	574.1	569.5	566.1	564.9	563.8	564.9
10°	612.0	612.0	609.7	606.3	600.5	593.6	585.5	578.8	577.6	575.3	577.6
12.5°	647.6	644.1	641.8	636.2	629.3	617.8	605.1	594.7	592.4	590.1	598.2
15°	684.4	683.2	677.5	674.0	662.5	647.6	630.4	616.6	614.3	609.7	616.6
17.5°	728.0	729.1	726.8	721.1	705.0	683.2	662.5	643.0	640.7	637.3	640.7
20°	787.7	785.4	780.8	772.7	754.3	725.7	699.2	677.5	674.0	671.7	668.3
22.5°	847.4	848.6	839.4	831.3	808.3	780.8	745.2	718.8	714.2	713.0	696.9
25°	904.8	907.1	903.7	893.3	873.8	838.2	799.2	767.0	761.2	760.1	732.6
27.5°	964.5	965.7	969.2	964.5	943.8	907.1	863.4	826.7	826.7	817.5	776.2
30°	1022.0	1024.3	1026.6	1026.6	1016.2	984.0	946.1	914.0	914.0	907.1	835.9
32.5°	1066.7	1067.9	1081.7	1093.1	1093.1	1070.2	1044.9	1041.4	1040.3	1052.9	972.5
35°	1106.9	1110.3	1129.9	1160.8	1173.5	1164.3	1165.4	1178.1	1190.8	1221.7	1160.8
37.5°	1136.8	1141.3	1159.7	1195.2	1230.9	1255.0	1278.0	1312.4	1331.9	1379.0	1295.2
40°	1144.7	1150.5	1189.6	1240.1	1297.5	1352.6	1394.0	1436.4	1449.1	1482.3	1376.7
42.5°	1119.5	1125.3	1174.6	1276.8	1357.2	1443.3	1488.1	1542.0	1563.9	1551.2	1444.5
45°	1102.3	1105.7	1157.4	1273.4	1408.9	1531.7	1575.4	1631.7	1645.4	1615.6	1500.7
47.5°	1080.5	1083.9	1137.9	1268.8	1451.4	1607.5	1637.4	1699.3	1713.1	1667.2	1548.9
50°	1048.3	1050.6	1112.6	1259.6	1478.9	1661.5	1694.7	1756.7	1762.5	1715.4	1594.8
52.5°	1009.3	1016.2	1075.9	1237.8	1498.4	1694.7	1735.0	1801.6	1809.5	1777.4	1645.4
55°	956.5	964.5	1033.4	1205.6	1491.5	1706.2	1753.3	1861.2	1875.0	1848.7	1687.9
57.5°	902.5	914.0	981.7	1160.8	1464.0	1723.5	1814.2	1949.7	1968.1	1918.6	1722.3
60°	847.4	852.0	922.0	1100.0	1418.0	1740.7	1883.1	2065.7	2082.9	1987.5	1749.8
62.5°	784.2	790.0	852.0	1016.2	1338.8	1724.6	1934.7	2163.2	2173.6	2045.0	1761.3
65°	710.7	710.7	763.5	914.0	1232.1	1667.2	1941.6	2213.8	2220.7	2081.8	1747.6
67.5°	608.6	613.2	655.6	787.7	1088.5	1554.7	1902.6	2225.3	2242.5	2104.7	1709.7
70°	472.0	482.2	517.9	631.6	888.7	1398.6	1844.1	2243.7	2257.4	2071.4	1624.8
72.5°	322.6	333.0	365.1	432.9	640.7	1121.8	1668.4	2070.3	2073.7	1909.5	1459.4
75°	84.9	94.1	119.4	173.4	268.7	754.3	1334.2	1753.3	1774.0	1651.1	1204.4
77.5°	25.3	25.3	31.0	40.2	55.1	153.8	678.6	1117.2	1137.9	1088.5	750.9
80°	19.6	19.6	23.0	27.6	35.6	79.3	235.4	412.3	437.5	467.4	310.0
82.5°	12.7	13.8	15.0	16.1	16.1	32.1	63.2	105.6	104.5	113.7	99.9
85°	8.1	8.1	6.9	6.9	5.8	8.1	5.8	6.9	8.1	8.1	9.2
87.5°	1.2	0.0	0.0	0.0	0.0	1.2	1.2	2.3	2.3	2.3	3.5
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°	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7
2.5°	550.0	551.1	552.3	553.4	555.7	555.7	556.9	556.9	556.9	556.9	556.9
5°	556.9	558.0	561.5	564.9	573.0	577.6	582.2	585.5	585.5	587.8	587.8
7.5°	567.2	570.7	581.1	585.5	592.4	599.3	602.8	603.9	606.3	606.3	606.3
10°	584.4	587.8	595.9	599.3	602.8	602.8	601.6	600.5	597.0	595.9	597.0
12.5°	600.5	605.1	605.1	603.9	600.5	595.9	590.1	584.4	578.8	574.1	574.1
15°	620.1	617.8	610.9	601.6	592.4	581.1	569.5	559.2	550.0	546.5	546.5
17.5°	637.3	631.6	616.6	599.3	579.9	561.5	543.1	525.9	509.8	504.1	500.6
20°	657.9	647.6	621.2	594.7	567.2	538.5	507.5	476.5	449.0	437.5	436.3
22.5°	682.1	664.8	628.1	587.8	551.1	507.5	455.9	412.3	384.6	370.8	368.5
25°	710.7	685.5	635.0	582.2	531.6	467.4	398.5	349.1	314.6	299.7	294.0
27.5°	746.4	713.0	644.1	575.3	501.8	417.9	339.9	282.5	244.6	226.2	223.9
30°	792.3	746.4	653.3	564.9	465.1	360.6	276.7	212.4	174.5	156.1	151.5
32.5°	897.9	814.0	664.8	547.7	419.0	305.5	208.9	142.3	104.5	87.2	86.1
35°	1077.1	966.8	691.3	524.8	373.1	240.0	134.4	75.8	56.3	49.4	49.4
37.5°	1211.4	1094.2	762.4	494.9	313.4	160.7	68.9	44.8	35.6	34.4	34.4
40°	1291.8	1170.0	840.5	461.6	242.3	86.1	42.5	34.4	32.1	31.0	31.0
42.5°	1358.4	1233.2	877.2	420.2	153.8	48.2	35.6	32.1	29.8	28.6	28.6
45°	1413.5	1281.4	881.8	367.4	86.1	40.2	33.3	28.6	27.6	26.5	26.5
47.5°	1457.1	1322.7	870.3	292.8	54.0	37.9	31.0	26.5	24.2	24.2	24.2
50°	1498.4	1358.4	838.2	230.8	50.5	35.6	28.6	24.2	23.0	23.0	23.0
52.5°	1536.3	1383.6	784.2	186.1	47.1	33.3	27.6	23.0	20.7	21.9	21.9
55°	1567.3	1394.0	729.1	143.5	44.8	32.1	26.5	21.9	19.6	19.6	19.6
57.5°	1584.5	1372.1	683.2	109.1	43.6	31.0	25.3	20.7	17.3	16.1	16.1
60°	1585.6	1343.4	640.7	91.8	41.3	28.6	24.2	18.4	15.0	13.8	13.8
62.5°	1565.0	1308.9	576.5	79.3	39.0	27.6	21.9	17.3	13.8	12.7	12.7
65°	1524.9	1248.2	505.2	67.8	37.9	27.6	19.6	16.1	13.8	11.5	11.5
67.5°	1460.6	1147.0	410.0	59.7	35.6	25.3	19.6	15.0	12.7	11.5	11.5
70°	1338.8	1002.4	283.6	51.7	33.3	23.0	18.4	15.0	12.7	10.4	10.4
72.5°	1153.9	814.0	140.0	42.5	28.6	23.0	18.4	13.8	11.5	10.4	10.4
75°	892.2	583.2	84.9	34.4	23.0	20.7	17.3	13.8	11.5	9.2	9.2
77.5°	524.8	259.5	60.9	26.5	17.3	16.1	15.0	12.7	10.4	9.2	9.2
80°	191.8	110.2	44.8	20.7	13.8	13.8	11.5	10.4	9.2	8.1	8.1
82.5°	74.7	58.6	29.8	15.0	11.5	10.4	9.2	8.1	6.9	6.9	6.9
85°	10.4	10.4	10.4	8.1	6.9	6.9	5.8	5.8	4.6	4.6	4.6
87.5°	3.5	3.5	3.5	4.6	3.5	3.5	2.3	2.3	2.3	3.5	3.5
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)