

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: P507624

Luminaire Tested: **VERD-S-CA1-60-727-U-T2-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507624
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-CA1-60-727-U-T2-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2700K, 1150mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6823 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

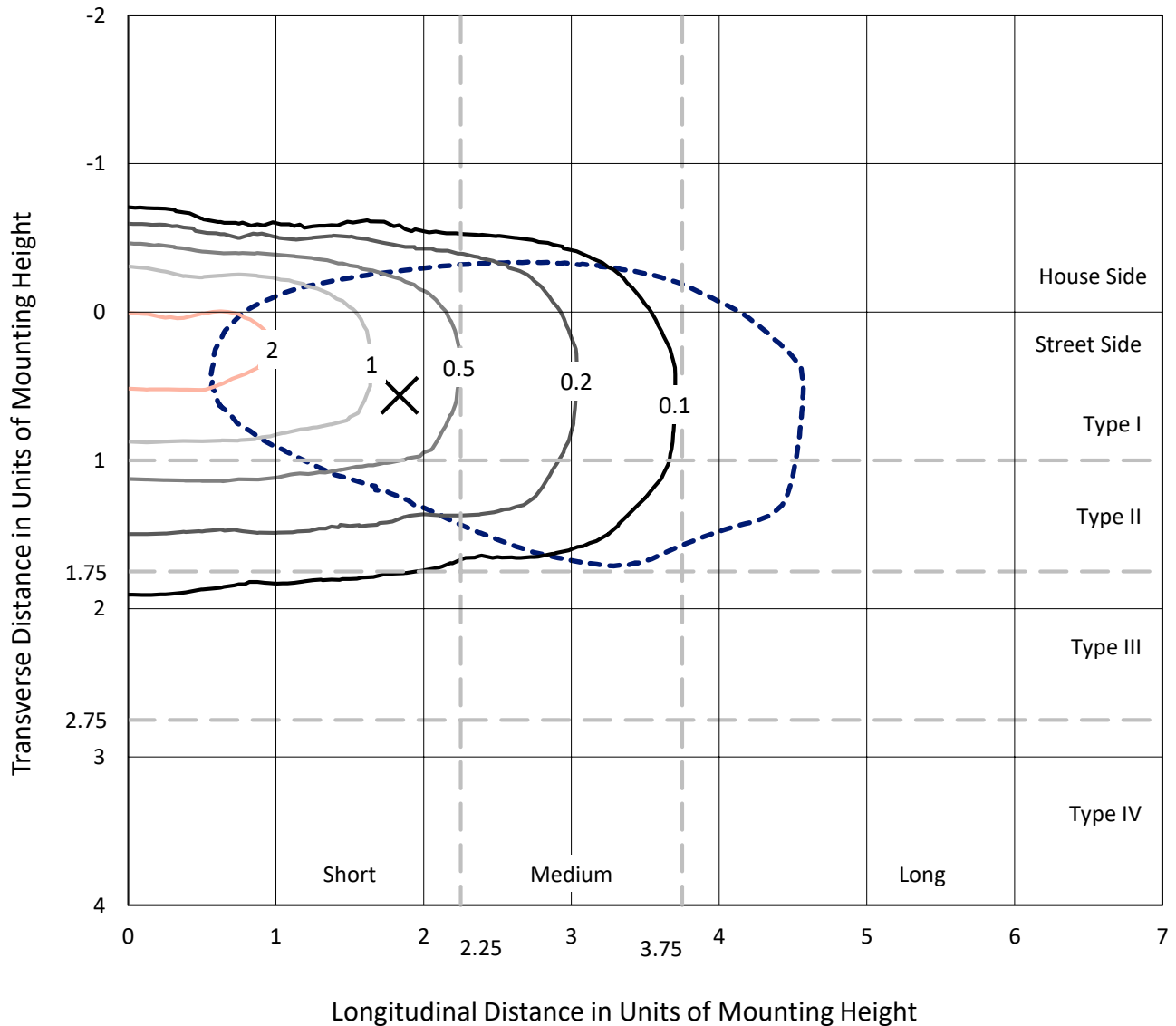
Input Watts (W): 63.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P507624
 CATALOG NUMBER: VERD-S-CA1-60-727-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

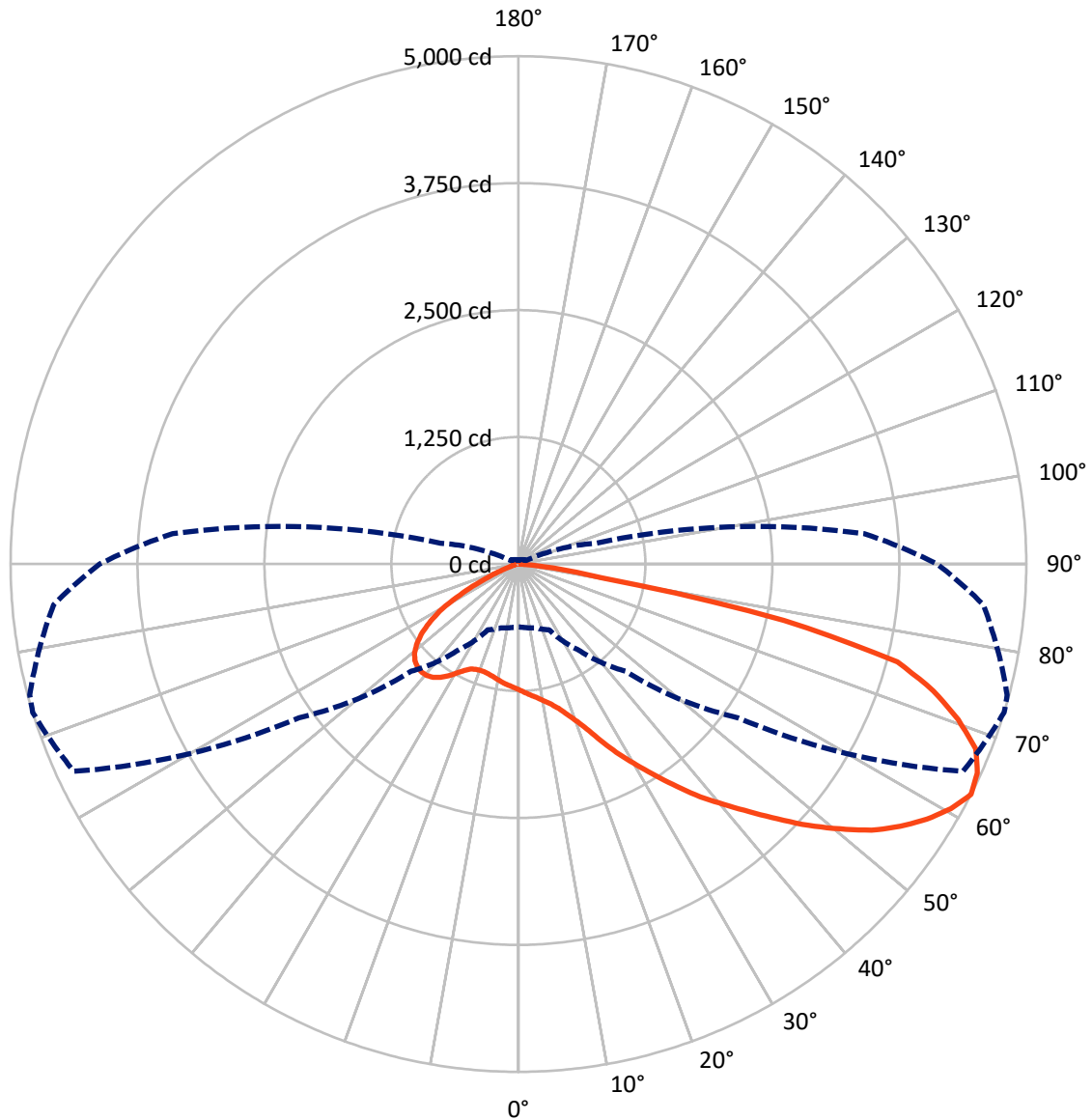
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - N/A

REPORT NUMBER: P507624
CATALOG NUMBER: VERD-S-CA1-60-727-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P507624

CATALOG NUMBER: VERD-S-CA1-60-727-U-T2-HSS

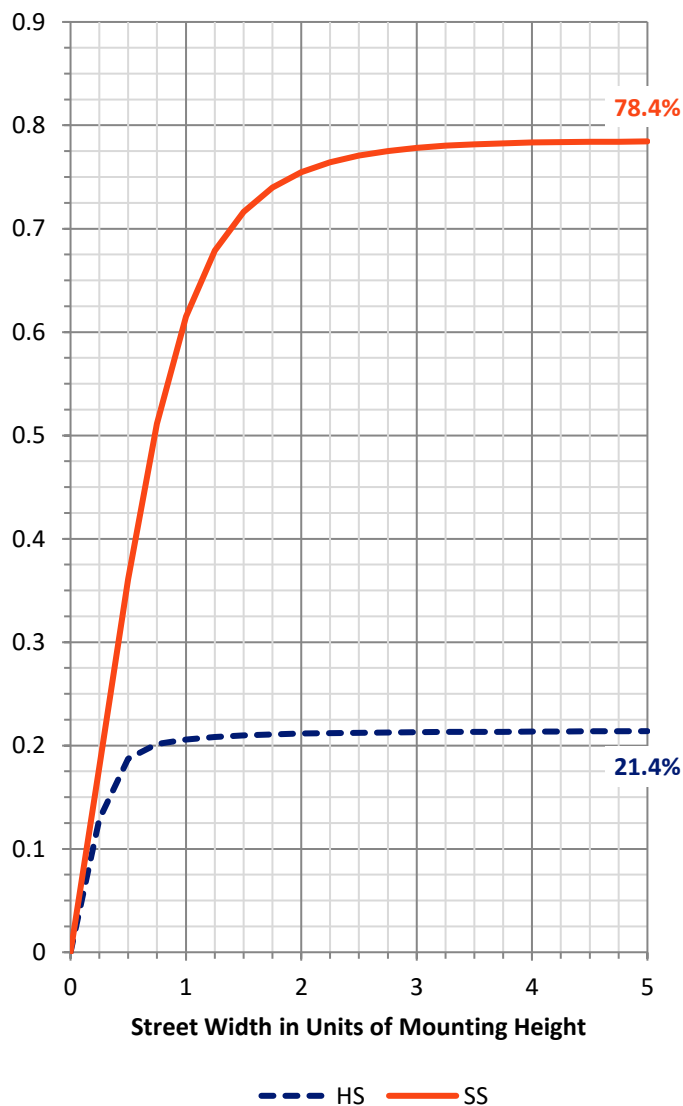
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1477.9	0.0	1477.9
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	5345.1	0.0	5345.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	6823.0	0.0	6823.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.5	1.7
10°-20°	356.9	5.2
20°-30°	617.2	9.0
30°-40°	906.5	13.3
40°-50°	1178.3	17.3
50°-60°	1366.1	20.0
60°-70°	1374.9	20.2
70°-80°	837.8	12.3
80°-90°	66.7	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°	6823.0	100.0
0°-180°	6823.0	100.0

Coefficient of Utilization



REPORT NUMBER: P507624

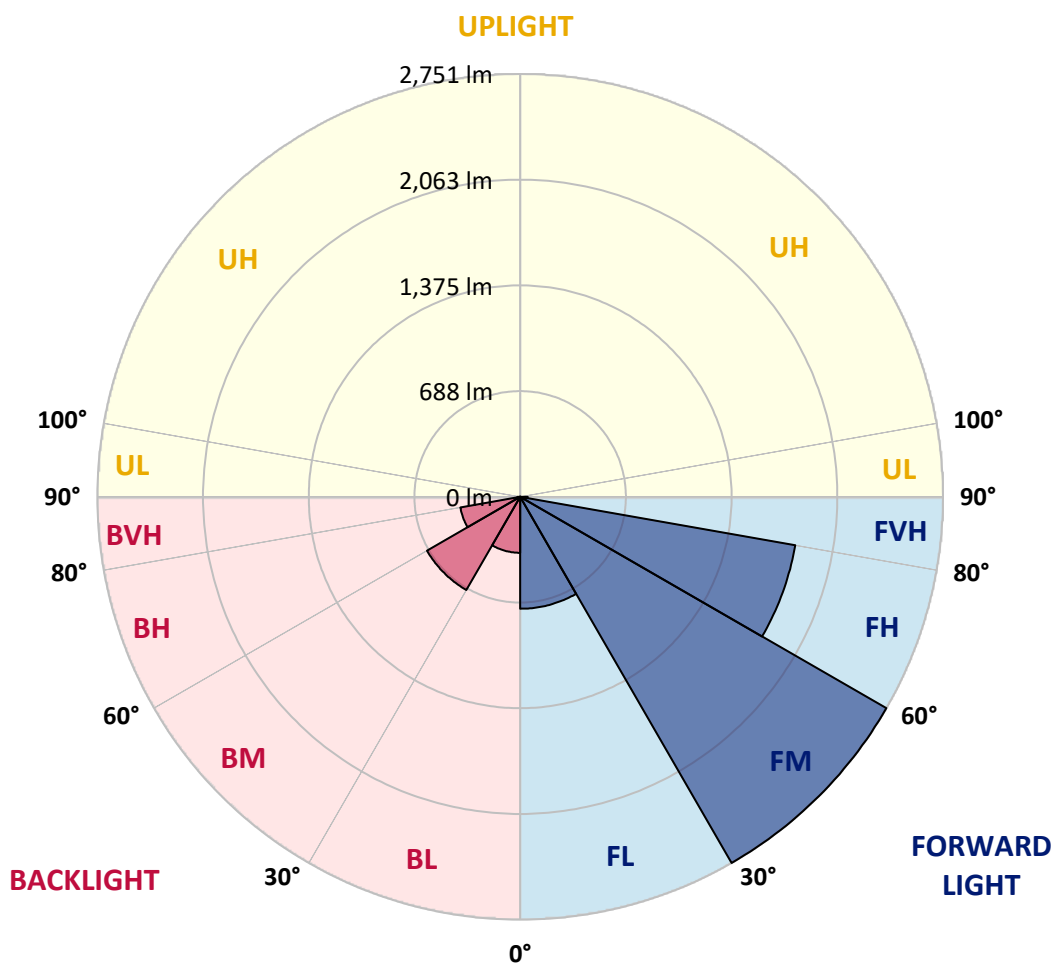
CATALOG NUMBER: VERD-S-CA1-60-727-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	728.3	10.7			
FM (30°-60°)	2750.9	40.3			
FH (60°-80°)	1817.5	26.6			G2/5000
FVH (80°-90°)	48.5	0.7			G1/100
BL (0°-30°)	364.3	5.3	B1/500		
BM (30°-60°)	700.1	10.3	B1/1000		
BH (60°-80°)	395.2	5.8	B1/500		G1/500
BVH (80°-90°)	18.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





REPORT NUMBER: P507624

CATALOG NUMBER: VERD-S-CA1-60-727-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5
2.5°	1322.8	1322.8	1320.7	1318.6	1310.3	1301.9	1289.4	1279.0	1268.6	1264.5	1247.8
5°	1399.9	1399.9	1397.8	1389.4	1379.0	1364.4	1343.6	1316.5	1297.8	1295.7	1266.5
7.5°	1464.4	1462.3	1460.3	1456.1	1445.7	1426.9	1395.7	1360.3	1329.0	1320.7	1285.3
10°	1526.9	1529.0	1524.8	1514.4	1501.9	1479.0	1447.8	1406.1	1368.6	1356.1	1301.9
12.5°	1593.6	1591.5	1585.3	1572.8	1556.1	1537.3	1504.0	1462.3	1412.4	1399.9	1329.0
15°	1649.8	1651.9	1641.5	1633.2	1616.5	1595.7	1566.5	1524.8	1474.8	1460.3	1368.6
17.5°	1699.8	1699.8	1697.7	1693.6	1681.1	1666.5	1637.3	1608.2	1556.1	1533.2	1429.0
20°	1737.3	1739.4	1743.6	1751.9	1754.0	1741.5	1726.9	1706.1	1656.1	1633.2	1504.0
22.5°	1770.6	1774.8	1791.5	1816.5	1837.3	1837.3	1835.2	1833.1	1783.1	1768.6	1614.4
25°	1779.0	1785.2	1822.7	1876.9	1910.2	1937.3	1974.8	1989.4	1951.9	1926.9	1758.2
27.5°	1791.5	1797.7	1839.4	1904.0	1987.3	2047.7	2114.4	2151.9	2124.8	2099.8	1922.7
30°	1781.1	1789.4	1835.2	1926.9	2037.3	2164.4	2247.7	2303.9	2295.6	2281.0	2093.5
32.5°	1754.0	1762.3	1816.5	1929.0	2097.7	2283.1	2376.8	2464.3	2487.2	2474.7	2272.7
35°	1699.8	1708.2	1774.8	1912.3	2126.9	2372.7	2506.0	2635.1	2687.2	2678.9	2468.5
37.5°	1631.1	1631.1	1710.2	1862.3	2137.3	2441.4	2620.6	2806.0	2908.0	2895.5	2666.4
40°	1516.5	1537.3	1635.2	1808.1	2120.6	2491.4	2731.0	2983.0	3110.1	3103.8	2881.0
42.5°	1401.9	1418.6	1512.3	1714.4	2081.0	2520.6	2822.6	3168.4	3333.0	3328.8	3087.2
45°	1299.9	1312.4	1389.4	1585.3	1997.7	2528.9	2910.1	3366.3	3578.8	3570.5	3297.6
47.5°	1168.6	1193.6	1291.5	1464.4	1883.1	2503.9	2991.4	3614.2	3845.4	3837.1	3524.6
50°	885.3	902.0	1106.1	1366.5	1735.2	2441.4	3058.0	3857.9	4097.5	4080.8	3730.9
52.5°	804.1	814.5	879.1	1245.7	1597.8	2328.9	3099.7	4149.6	4353.7	4326.6	3943.3
55°	752.0	760.3	797.8	997.8	1476.9	2139.4	3112.2	4424.5	4559.9	4532.9	4139.2
57.5°	706.2	710.3	747.8	849.9	1333.2	1899.8	3068.4	4628.7	4741.2	4712.0	4307.9
60°	658.3	664.5	699.9	774.9	1160.3	1679.0	2933.0	4791.2	4891.2	4866.2	4455.8
62.5°	618.7	627.0	649.9	714.5	1035.3	1491.5	2637.2	4828.7	4999.5	4980.7	4593.3
65°	570.8	577.0	606.2	660.3	906.2	1374.9	2337.3	4718.3	4964.1	4987.0	4670.3
67.5°	514.5	520.8	545.8	587.4	760.3	1252.0	2074.8	4562.0	4855.7	4887.0	4614.1
70°	445.8	450.0	475.0	514.5	631.2	1091.6	1799.8	4332.9	4593.3	4616.2	4391.2
72.5°	370.8	370.8	389.5	435.4	518.7	904.1	1443.6	3849.6	4272.5	4328.7	4014.2
75°	156.2	164.6	197.9	239.6	331.2	660.3	987.4	2964.3	3853.8	3901.7	3545.5
77.5°	31.2	33.3	37.5	56.2	87.5	287.5	306.2	1293.6	2674.7	2706.0	2589.3
80°	25.0	25.0	27.1	41.7	58.3	133.3	100.0	422.9	833.2	1072.8	1383.2
82.5°	8.3	10.4	14.6	22.9	29.2	29.2	33.3	212.5	412.5	443.7	558.3
85°	4.2	4.2	6.2	8.3	8.3	8.3	8.3	37.5	70.8	85.4	118.7
87.5°	2.1	0.0	0.0	0.0	0.0	0.0	2.1	4.2	6.2	6.2	8.3
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: P507624

CATALOG NUMBER: VERD-S-CA1-60-727-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5
2.5°	1239.5	1233.2	1218.6	1208.2	1193.6	1181.1	1166.5	1158.2	1154.0	1152.0	1147.8
5°	1249.9	1233.2	1204.0	1172.8	1145.7	1124.9	1095.7	1081.1	1072.8	1068.6	1066.6
7.5°	1262.4	1241.5	1191.5	1143.6	1095.7	1060.3	1024.9	1002.0	991.6	989.5	987.4
10°	1270.7	1237.4	1170.7	1118.6	1056.1	999.9	958.2	931.2	916.6	914.5	912.4
12.5°	1287.4	1243.6	1154.0	1079.1	1014.5	941.6	897.8	866.6	852.0	839.5	839.5
15°	1314.4	1258.2	1145.7	1045.7	960.3	889.5	833.2	799.9	789.5	772.8	768.7
17.5°	1360.3	1285.3	1139.5	1012.4	910.3	839.5	772.8	737.4	731.2	716.6	708.3
20°	1416.5	1324.9	1143.6	981.1	858.2	777.0	710.3	674.9	654.1	641.6	637.4
22.5°	1506.1	1383.2	1158.2	958.2	812.4	720.8	649.9	593.7	547.9	531.2	531.2
25°	1633.2	1483.2	1183.2	939.5	766.6	666.6	579.1	483.3	422.9	400.0	393.7
27.5°	1776.9	1610.2	1241.5	922.8	729.1	606.2	477.0	370.8	306.2	285.4	285.4
30°	1941.5	1743.6	1312.4	912.4	683.3	514.5	360.4	270.8	218.7	195.8	193.7
32.5°	2103.9	1881.1	1395.7	904.1	635.4	402.0	260.4	197.9	154.2	137.5	139.6
35°	2266.4	2016.5	1466.5	904.1	556.2	289.6	185.4	137.5	110.4	102.1	102.1
37.5°	2449.7	2168.5	1522.8	891.6	437.5	206.2	127.1	100.0	91.7	87.5	87.5
40°	2639.3	2310.2	1560.3	864.5	312.5	141.7	89.6	87.5	83.3	77.1	75.0
42.5°	2816.4	2472.7	1583.2	812.4	204.1	93.7	79.2	81.2	79.2	68.7	66.7
45°	3003.9	2603.9	1595.7	708.3	135.4	77.1	70.8	75.0	77.1	68.7	66.7
47.5°	3191.3	2747.6	1604.0	552.0	89.6	75.0	66.7	72.9	75.0	66.7	64.6
50°	3389.2	2878.9	1591.5	354.1	79.2	70.8	64.6	66.7	70.8	66.7	64.6
52.5°	3562.1	2997.6	1533.2	197.9	77.1	68.7	60.4	62.5	68.7	64.6	64.6
55°	3739.2	3114.3	1424.9	116.7	75.0	64.6	60.4	62.5	64.6	60.4	62.5
57.5°	3899.6	3226.7	1262.4	95.8	75.0	62.5	62.5	58.3	58.3	54.2	54.2
60°	4022.5	3328.8	1068.6	89.6	70.8	64.6	58.3	54.2	50.0	45.8	45.8
62.5°	4120.4	3416.3	793.7	83.3	68.7	62.5	54.2	47.9	41.7	37.5	37.5
65°	4174.6	3435.1	560.4	75.0	64.6	60.4	50.0	41.7	33.3	31.2	31.2
67.5°	4112.1	3337.2	341.6	70.8	60.4	58.3	47.9	37.5	29.2	27.1	27.1
70°	3872.5	3074.7	191.6	64.6	54.2	52.1	43.7	33.3	27.1	22.9	22.9
72.5°	3476.7	2689.3	95.8	54.2	45.8	45.8	39.6	29.2	25.0	20.8	20.8
75°	2937.2	2206.0	68.7	39.6	37.5	37.5	33.3	27.1	22.9	18.7	18.7
77.5°	2151.9	1454.0	56.2	33.3	27.1	27.1	29.2	25.0	20.8	16.7	16.7
80°	1114.5	720.8	47.9	25.0	22.9	20.8	20.8	20.8	16.7	14.6	14.6
82.5°	493.7	277.1	31.2	18.7	18.7	16.7	16.7	16.7	14.6	12.5	12.5
85°	95.8	52.1	16.7	14.6	12.5	12.5	12.5	10.4	10.4	10.4	10.4
87.5°	8.3	8.3	8.3	8.3	8.3	6.2	6.2	6.2	6.2	6.2	6.2
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)