

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: P233745

Luminaire Tested: **VERD-C026-D-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-33)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-C026-D-U-T3-HSS
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 790mA LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7449 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type III - Medium - Semi-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): 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: 28.75 FT

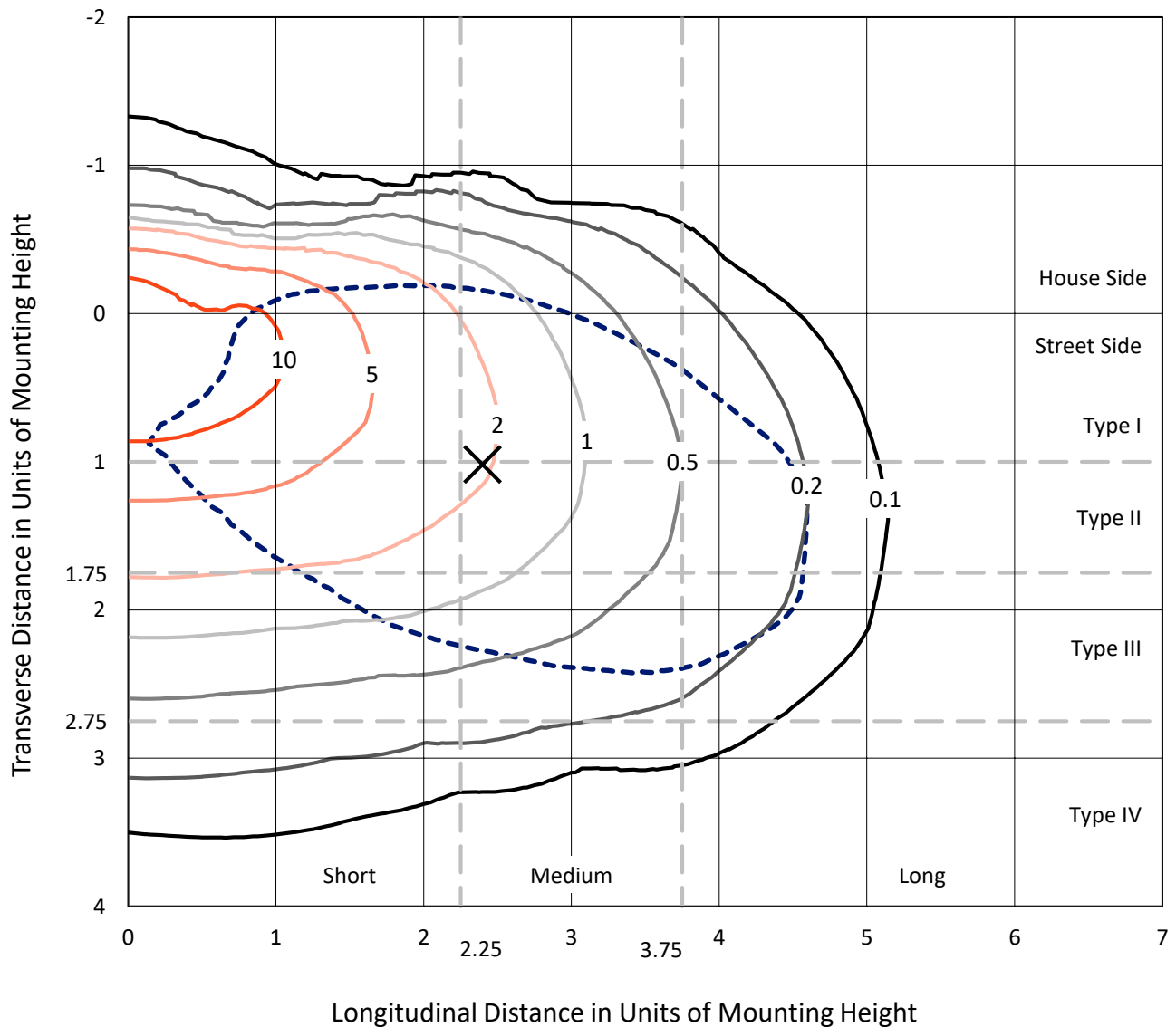


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

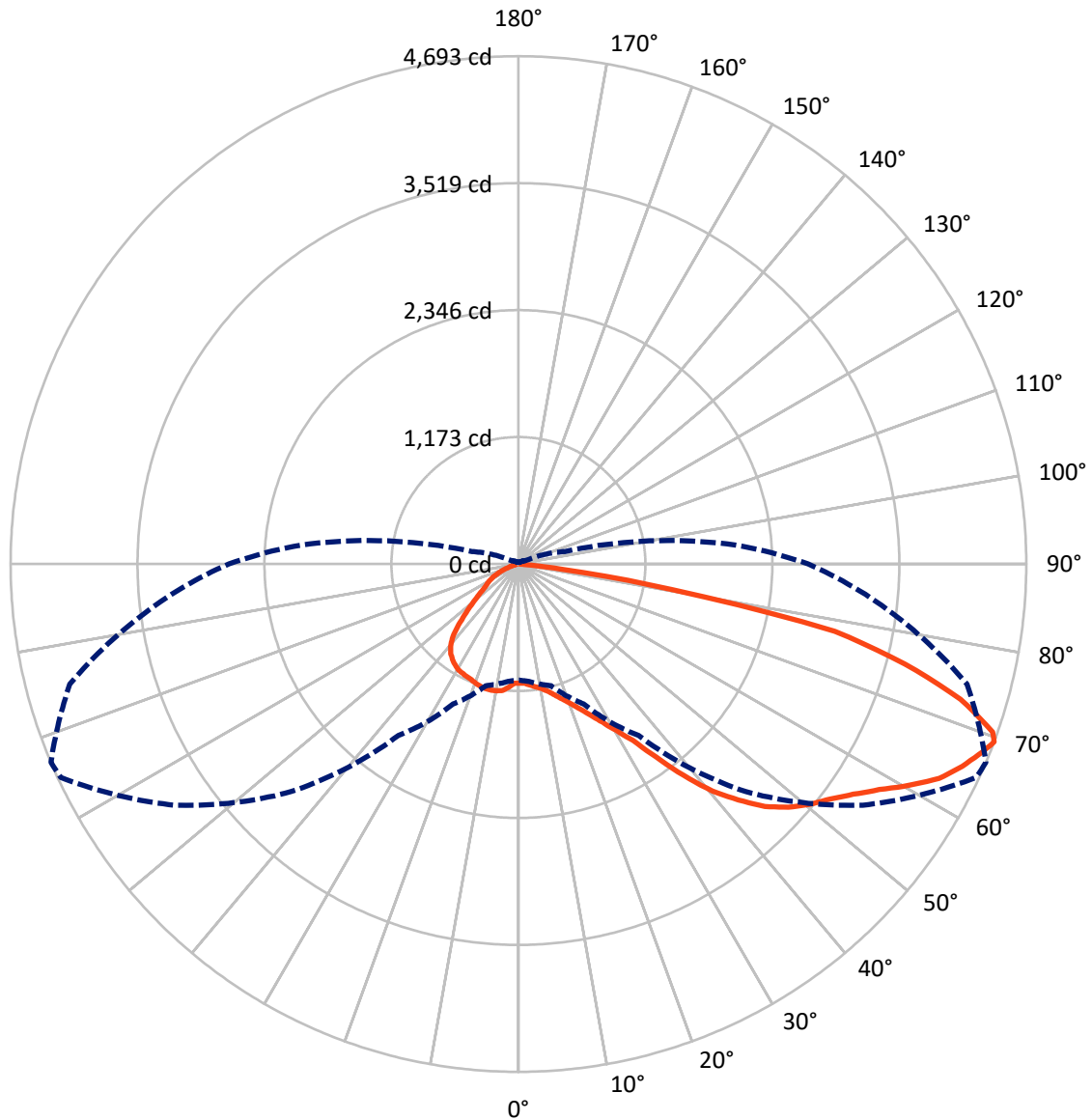


Based on 10 foot mounting height. Maximum calculated value = 13.5 fc
 Type III - Medium - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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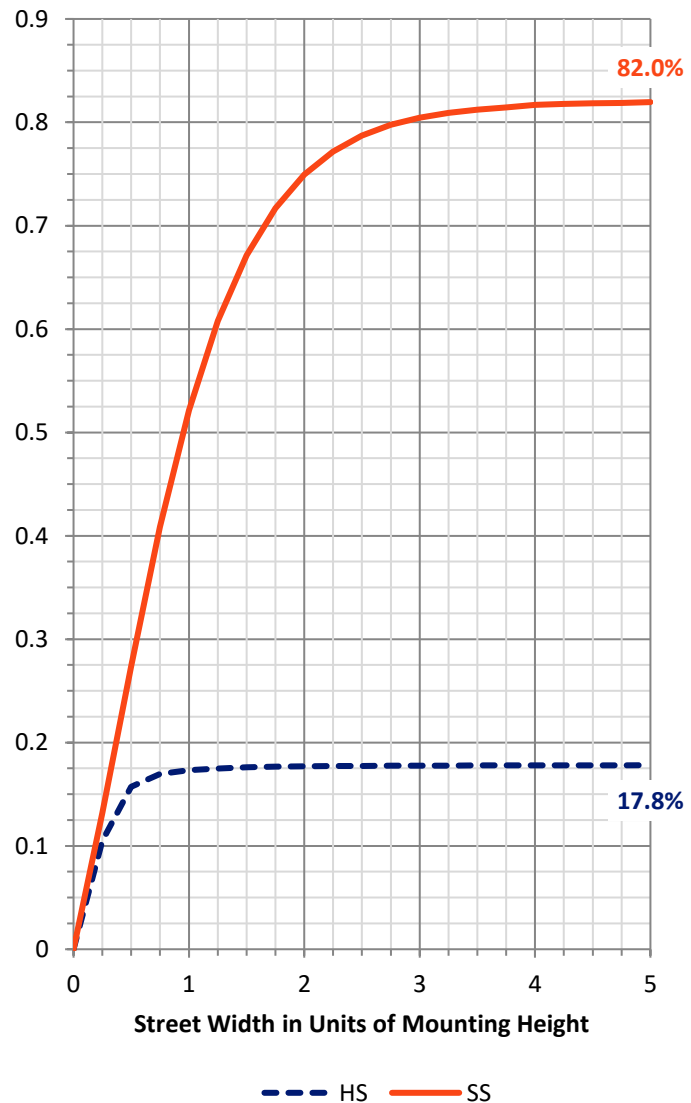
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1342.9	0.0	1342.9
	% Fixture	18.0	0.0	18.0
Street Side	Lumens	6106.2	0.0	6106.2
	% Fixture	82.0	0.0	82.0
Total	Lumens	7449.0	0.0	7449.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.2	1.5
10°-20°	349.7	4.7
20°-30°	596.9	8.0
30°-40°	902.5	12.1
40°-50°	1275.0	17.1
50°-60°	1540.8	20.7
60°-70°	1625.8	21.8
70°-80°	978.7	13.1
80°-90°	68.4	0.9
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°	7449.0	100.0
0°-180°	7449.0	100.0

Coefficient of Utilization



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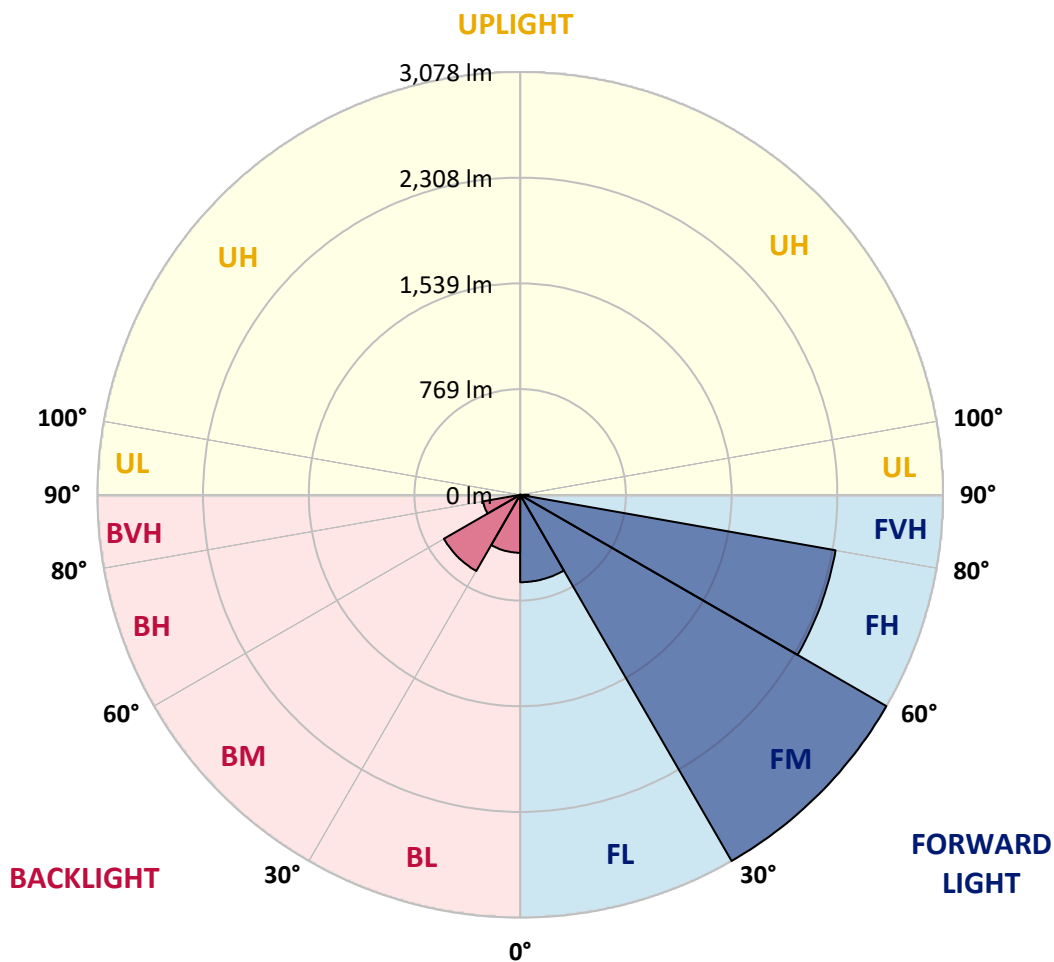
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	636.1	8.5			
FM	(30°-60°)	3077.5	41.3			
FH	(60°-80°)	2330.8	31.3			G2/5000
FVH	(80°-90°)	61.8	0.8			G1/100
BL	(0°-30°)	421.7	5.7	B1/500		
BM	(30°-60°)	640.7	8.6	B1/1000		
BH	(60°-80°)	273.8	3.7	B1/500		G1/500
BVH	(80°-90°)	6.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6
2.5°	1130.1	1128.3	1128.3	1118.2	1108.7	1106.3	1105.7	1102.8	1103.4	1099.2	1095.1
5°	1162.7	1162.7	1161.5	1148.5	1138.4	1131.9	1127.7	1122.4	1123.0	1120.0	1116.4
7.5°	1212.0	1212.6	1210.2	1193.0	1182.9	1166.9	1157.4	1147.3	1146.7	1143.1	1144.3
10°	1272.5	1274.3	1270.8	1248.8	1231.6	1209.6	1189.4	1171.6	1170.4	1166.3	1169.9
12.5°	1340.8	1343.2	1334.3	1311.7	1292.1	1257.7	1233.4	1209.6	1206.1	1205.5	1207.8
15°	1419.1	1420.3	1417.4	1384.1	1360.4	1328.9	1289.2	1258.9	1255.3	1255.9	1252.9
17.5°	1506.4	1509.4	1502.8	1473.1	1441.7	1398.4	1350.9	1313.5	1311.7	1309.9	1296.9
20°	1599.0	1601.9	1597.8	1569.9	1532.5	1477.9	1419.7	1377.0	1376.4	1372.2	1342.0
22.5°	1703.4	1707.6	1705.2	1671.4	1631.6	1572.3	1499.9	1455.3	1454.2	1441.1	1395.4
25°	1816.8	1815.6	1818.0	1781.8	1744.4	1682.1	1592.4	1546.2	1546.2	1530.1	1462.5
27.5°	1926.6	1926.0	1930.2	1904.6	1865.5	1806.7	1698.7	1651.8	1656.0	1632.8	1543.2
30°	2033.4	2033.4	2043.5	2026.9	1997.8	1936.1	1830.5	1781.2	1786.5	1762.2	1645.3
32.5°	2133.2	2137.9	2155.1	2145.0	2123.1	2067.3	1977.1	1931.9	1944.4	1954.5	1835.2
35°	2206.8	2211.5	2251.3	2254.8	2249.5	2212.1	2145.0	2174.1	2188.9	2268.5	2135.5
37.5°	2271.4	2277.4	2324.9	2354.5	2371.8	2348.6	2352.8	2450.1	2478.0	2571.8	2391.9
40°	2318.9	2332.0	2378.9	2419.8	2480.4	2507.7	2575.3	2713.6	2758.7	2796.1	2568.2
42.5°	2286.3	2295.2	2377.7	2487.5	2575.9	2672.1	2781.9	2946.3	2980.1	2968.3	2723.7
45°	2238.2	2248.9	2335.5	2505.3	2651.9	2843.6	2977.7	3155.8	3194.4	3128.5	2857.9
47.5°	2184.2	2199.0	2292.8	2481.6	2715.4	3001.5	3155.2	3335.6	3358.2	3271.5	2970.6
50°	2129.6	2146.2	2252.5	2462.0	2764.7	3133.3	3284.6	3482.3	3488.8	3390.3	3072.1
52.5°	2056.0	2073.2	2189.5	2421.0	2799.1	3219.9	3398.0	3602.7	3606.9	3518.5	3168.3
55°	1962.8	1984.8	2107.6	2360.5	2807.4	3270.4	3469.8	3728.0	3755.9	3657.3	3247.2
57.5°	1853.0	1873.2	2008.5	2273.2	2765.9	3287.6	3570.1	3893.6	3932.1	3798.0	3312.5
60°	1726.6	1749.7	1885.7	2160.5	2682.2	3335.6	3736.3	4127.4	4150.6	3945.2	3370.1
62.5°	1597.2	1613.8	1737.3	2002.0	2551.6	3364.7	3883.5	4347.0	4362.5	4087.1	3404.5
65°	1413.2	1434.0	1554.5	1820.4	2363.4	3308.9	3939.9	4497.2	4506.7	4205.8	3387.9
67.5°	1213.2	1229.8	1317.6	1601.3	2116.5	3132.1	3916.7	4597.5	4627.8	4298.4	3312.5
69°	1071.3	1087.9	1163.9	1426.3	1933.1	2975.4	3884.1	4665.8	4692.5	4291.8	3216.3
70°	960.9	977.5	1049.4	1295.7	1789.5	2843.0	3832.4	4631.3	4648.5	4218.8	3122.6
72.5°	687.3	703.9	762.7	911.1	1355.6	2336.7	3512.5	4249.1	4272.2	3868.0	2790.8
75°	359.7	399.4	505.1	588.8	803.0	1645.3	2920.2	3654.4	3688.2	3394.4	2295.2
77.5°	46.3	48.7	142.4	239.2	331.8	693.8	2074.4	2934.4	2987.8	2716.6	1587.1
80°	37.4	38.0	49.3	119.3	165.0	281.3	736.0	1373.4	1438.1	1207.2	583.4
82.5°	26.1	27.3	38.6	62.9	54.0	102.7	255.8	388.2	400.0	346.0	232.7
85°	14.8	14.8	18.4	24.3	17.2	38.6	52.8	56.4	50.5	49.9	37.4
87.5°	4.2	4.7	5.3	4.2	1.8	1.8	2.4	2.4	2.4	1.8	1.8
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°	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6
2.5°	1101.6	1100.4	1101.0	1103.4	1106.9	1120.0	1128.9	1130.1	1134.2	1149.7	1147.9
5°	1120.6	1127.7	1131.9	1144.3	1152.6	1170.4	1181.1	1182.3	1188.3	1204.3	1204.9
7.5°	1147.3	1159.2	1165.1	1179.3	1182.3	1190.6	1193.6	1190.6	1191.2	1205.5	1206.6
10°	1170.4	1185.3	1185.3	1188.8	1183.5	1184.1	1174.6	1165.7	1160.9	1173.4	1176.4
12.5°	1206.1	1210.2	1200.7	1190.0	1174.0	1159.8	1143.7	1129.5	1118.2	1125.3	1121.2
15°	1242.9	1236.3	1213.2	1185.3	1156.8	1132.5	1099.2	1078.4	1058.9	1063.0	1059.5
17.5°	1279.7	1258.3	1222.1	1175.8	1134.2	1087.9	1041.6	1009.0	973.4	970.4	965.1
20°	1315.3	1284.4	1224.5	1156.2	1098.0	1032.7	960.9	905.1	852.3	838.7	829.8
22.5°	1358.0	1313.5	1227.4	1137.2	1058.9	969.8	861.2	774.6	717.6	698.6	689.7
25°	1412.6	1353.8	1235.7	1123.0	1019.1	892.1	743.1	644.0	582.3	549.6	546.6
27.5°	1477.3	1402.5	1250.0	1104.6	962.7	788.2	620.8	517.6	451.7	418.4	407.8
30°	1562.2	1463.1	1263.0	1090.3	883.2	674.8	492.6	377.5	299.1	277.8	266.5
32.5°	1723.0	1561.6	1279.7	1057.1	789.4	550.8	349.0	232.7	179.2	165.0	165.0
35°	1984.8	1778.2	1321.2	1011.4	676.6	401.2	209.5	130.6	106.8	98.5	94.4
37.5°	2221.0	1996.6	1425.1	940.7	539.5	237.4	119.9	80.7	73.0	74.2	74.2
40°	2387.8	2146.2	1539.6	845.2	366.2	127.0	76.0	64.7	65.9	66.5	66.5
42.5°	2530.8	2273.8	1602.5	731.8	199.4	82.5	65.3	58.8	60.5	59.9	59.4
45°	2650.7	2377.7	1623.3	575.7	96.7	73.0	59.4	54.0	54.0	53.4	53.4
47.5°	2753.4	2469.7	1584.7	427.9	78.3	67.1	56.4	49.9	49.3	52.2	52.2
50°	2847.2	2540.9	1488.6	324.1	76.0	61.7	53.4	46.3	46.9	51.0	51.0
52.5°	2925.5	2583.0	1346.1	242.8	70.6	57.0	49.3	43.3	43.3	47.5	47.5
55°	2983.7	2583.0	1237.5	181.6	67.7	52.2	45.7	41.5	39.2	40.4	41.0
57.5°	3012.8	2534.4	1150.3	147.2	64.1	47.5	42.1	36.2	32.1	33.2	32.6
60°	3005.1	2506.5	1050.0	131.2	59.9	43.9	37.4	30.9	26.7	25.5	25.5
62.5°	2990.8	2475.0	924.7	114.0	55.8	41.0	30.9	24.9	22.6	21.4	22.0
65°	2936.8	2372.9	766.2	95.0	51.6	39.8	26.1	22.0	19.6	18.4	18.4
67.5°	2806.2	2188.9	579.3	80.1	48.1	32.1	22.6	19.0	16.6	15.4	15.4
69°	2676.8	2013.3	444.6	73.0	45.7	29.1	20.8	17.2	15.4	13.7	13.7
70°	2565.2	1877.3	348.4	68.3	43.9	27.9	20.2	16.6	14.8	13.1	13.1
72.5°	2184.2	1489.2	176.9	59.4	36.8	24.3	17.8	14.8	12.5	10.7	10.7
75°	1694.5	1026.2	116.9	46.9	28.5	22.0	16.0	13.1	10.7	8.9	8.3
77.5°	1019.7	401.2	83.7	30.3	18.4	17.2	13.1	10.7	8.9	7.1	7.1
80°	281.3	172.1	56.4	20.2	10.7	11.3	9.5	7.7	6.5	5.3	5.3
82.5°	169.2	111.6	37.4	13.1	7.1	7.1	5.3	5.3	4.2	4.2	4.2
85°	29.1	22.6	8.9	5.3	4.2	4.2	3.0	1.8	1.8	1.8	1.8
87.5°	1.8	1.8	1.8	2.4	2.4	1.8	1.2	0.6	0.0	0.0	0.0
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)