

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: P507658

Luminaire Tested: **VERD-S-CA1-60-760-U-T3-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507658
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-CA1-60-760-U-T3-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5700K, 1150mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8078 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

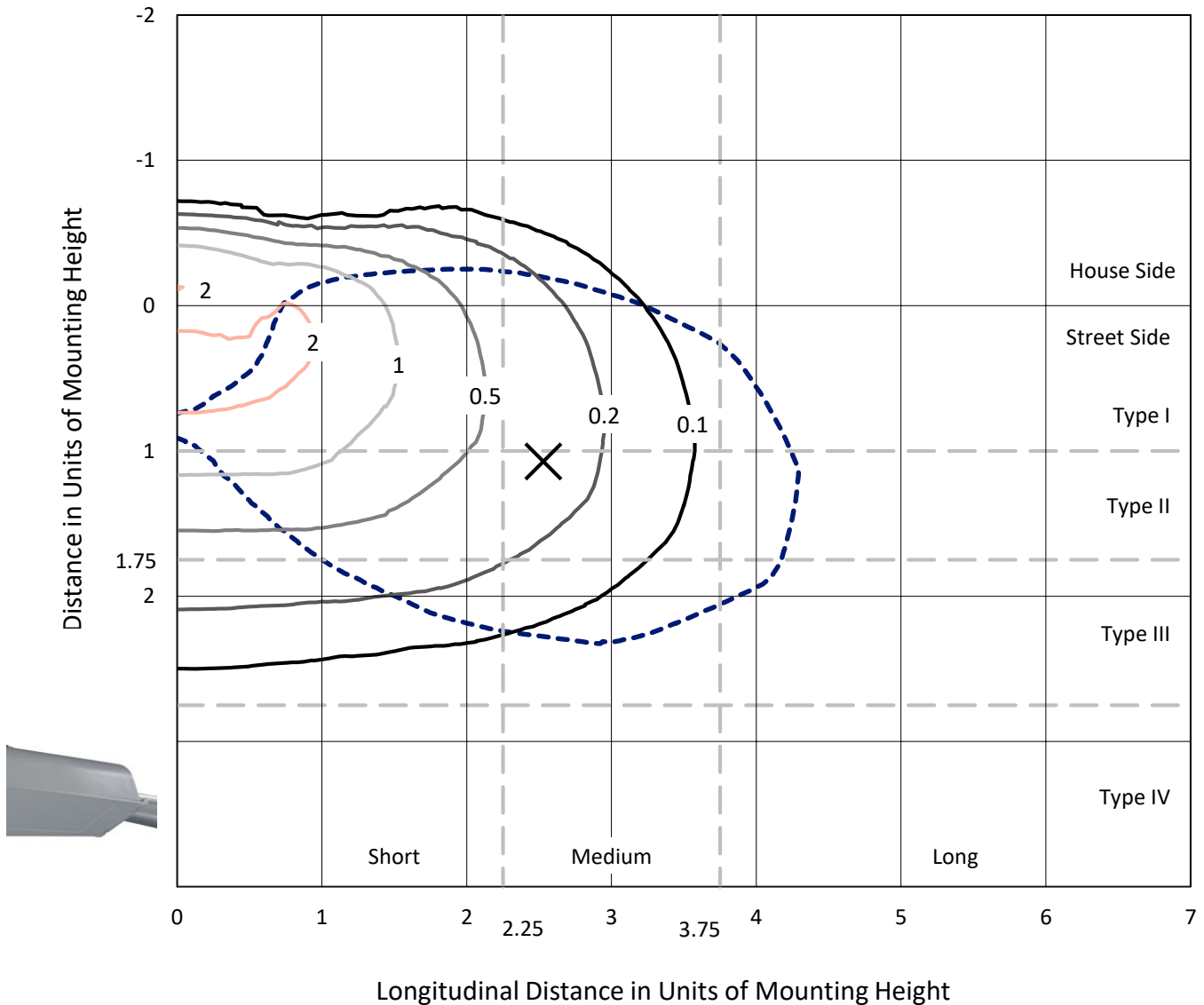
Input Watts (W): 63.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P507658
 CATALOG NUMBER: VERD-S-CA1-60-760-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

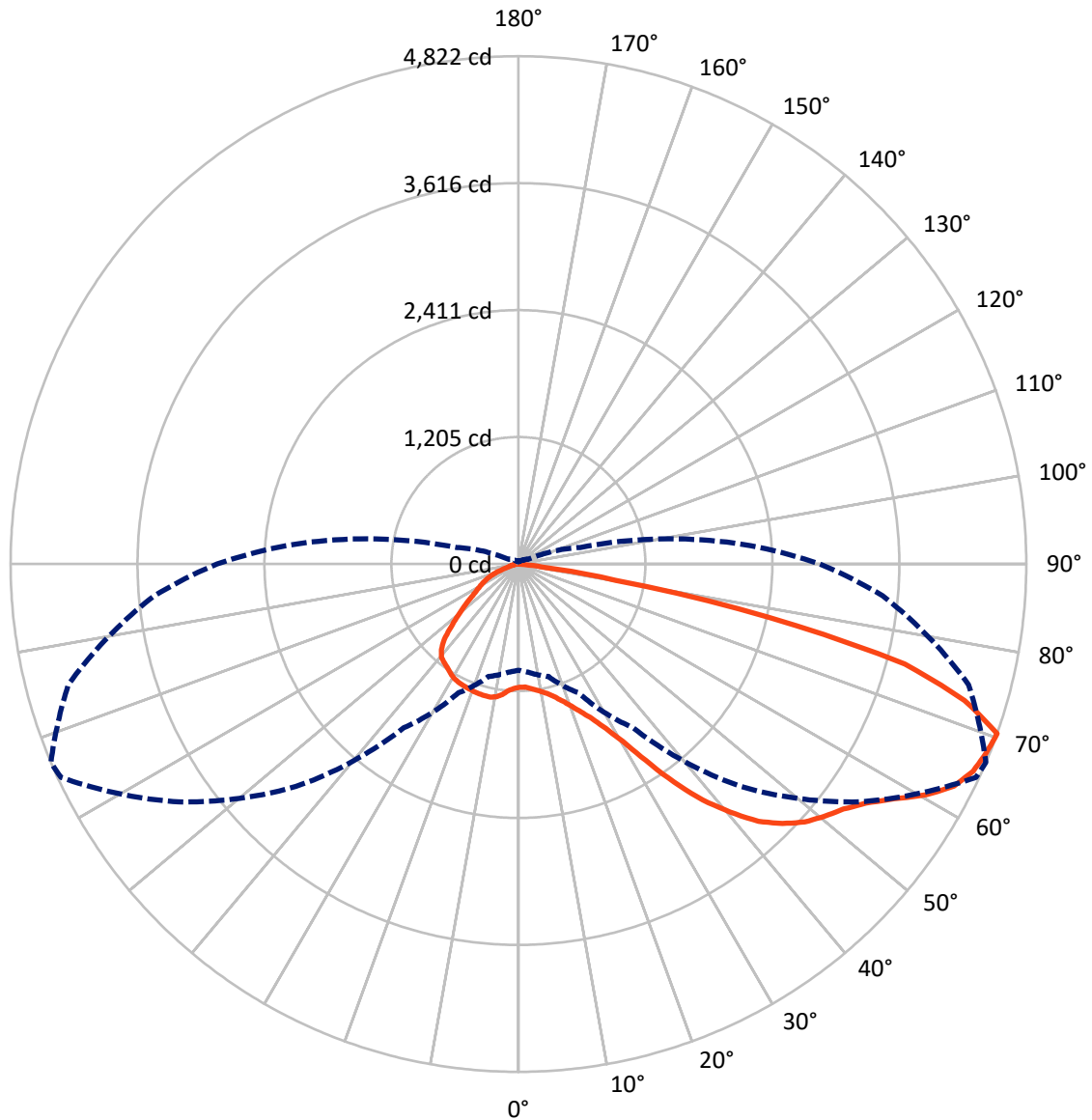
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P507658
CATALOG NUMBER: VERD-S-CA1-60-760-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P507658

CATALOG NUMBER: VERD-S-CA1-60-760-U-T3-HSS

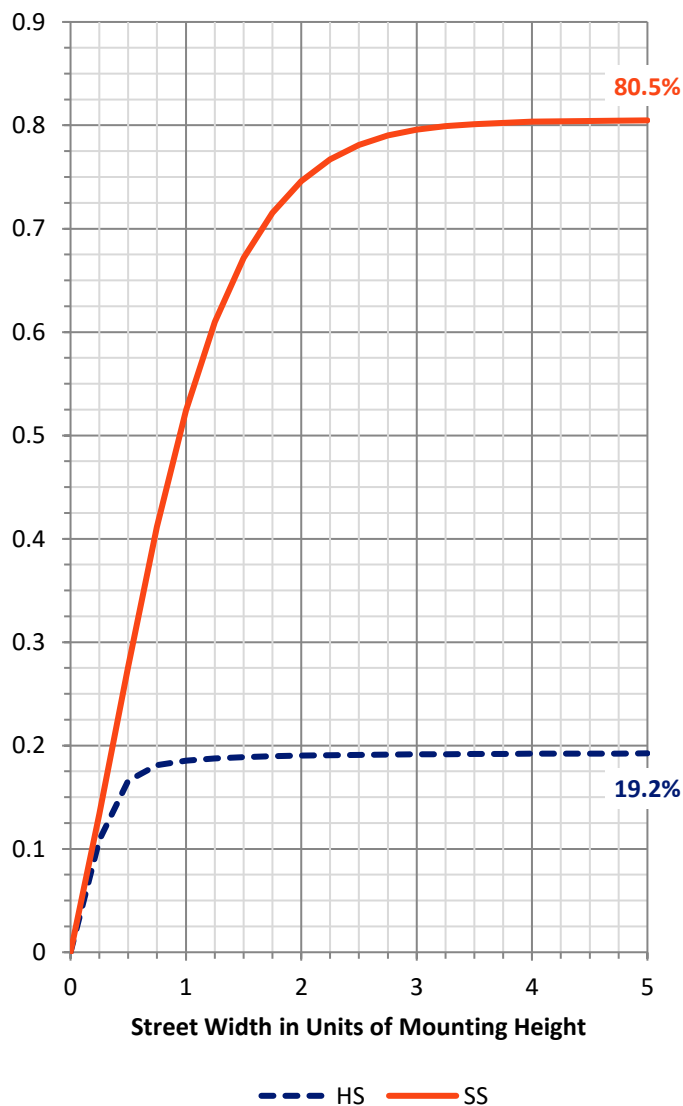
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1574.3	0.0	1574.3
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	6503.8	0.0	6503.8
	% Fixture	80.5	0.0	80.5
Total	Lumens	8078.0	0.0	8078.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.7	1.5
10°-20°	372.9	4.6
20°-30°	648.0	8.0
30°-40°	1014.8	12.6
40°-50°	1427.8	17.7
50°-60°	1702.9	21.1
60°-70°	1764.6	21.8
70°-80°	973.7	12.1
80°-90°	55.5	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°	8078.0	100.0
0°-180°	8078.0	100.0

Coefficient of Utilization



REPORT NUMBER: P507658

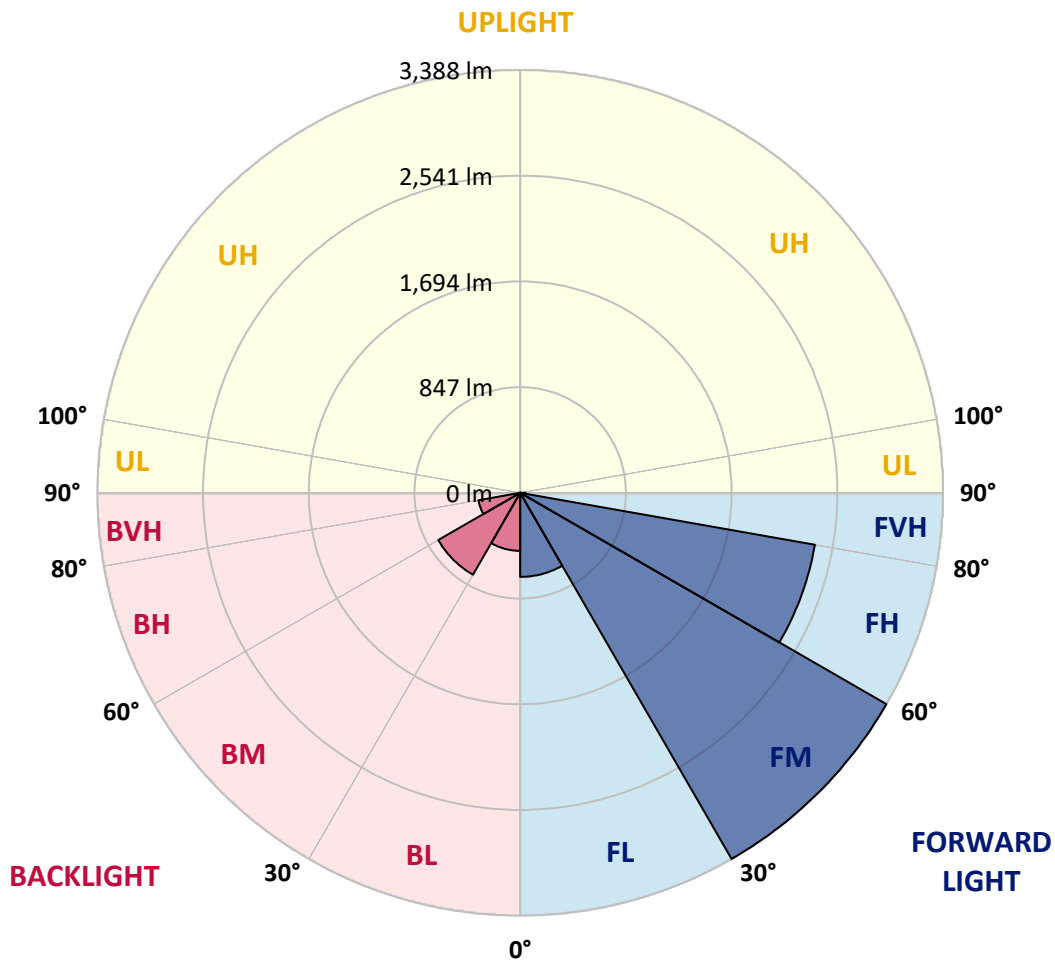
CATALOG NUMBER: VERD-S-CA1-60-760-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	673.8	8.3			
FM (30°-60°)	3388.3	41.9			
FH (60°-80°)	2398.5	29.7			G2/5000
FVH (80°-90°)	43.1	0.5			G1/100
BL (0°-30°)	464.8	5.8	B1/500		
BM (30°-60°)	757.2	9.4	B1/1000		
BH (60°-80°)	339.8	4.2	B1/500		G1/500
BVH (80°-90°)	12.4	0.2			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 III Medium





REPORT NUMBER: P507658

CATALOG NUMBER: VERD-S-CA1-60-760-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8
2.5°	1177.2	1177.2	1177.2	1174.7	1174.7	1174.7	1172.3	1169.8	1169.8	1169.8	1172.3
5°	1209.1	1209.1	1206.6	1204.2	1201.7	1194.4	1189.5	1187.0	1187.0	1184.5	1189.5
7.5°	1248.3	1248.3	1248.3	1243.4	1236.1	1226.2	1216.4	1209.1	1206.6	1204.2	1206.6
10°	1307.2	1307.2	1302.3	1294.9	1282.6	1267.9	1250.8	1236.1	1233.6	1228.7	1233.6
12.5°	1383.2	1375.8	1370.9	1358.7	1344.0	1319.4	1292.5	1270.4	1265.5	1260.6	1277.7
15°	1461.7	1459.2	1447.0	1439.6	1415.1	1383.2	1346.4	1317.0	1312.1	1302.3	1317.0
17.5°	1554.9	1557.3	1552.4	1540.2	1505.8	1459.2	1415.1	1373.4	1368.5	1361.1	1368.5
20°	1682.4	1677.5	1667.7	1650.5	1611.3	1550.0	1493.6	1447.0	1439.6	1434.7	1427.3
22.5°	1809.9	1812.4	1792.8	1775.6	1726.5	1667.7	1591.7	1535.3	1525.4	1523.0	1488.7
25°	1932.6	1937.5	1930.1	1908.0	1866.3	1790.3	1706.9	1638.3	1626.0	1623.5	1564.7
27.5°	2060.1	2062.5	2069.9	2060.1	2015.9	1937.5	1844.3	1765.8	1765.8	1746.2	1657.9
30°	2182.7	2187.6	2192.5	2192.5	2170.4	2101.8	2020.8	1952.2	1952.2	1937.5	1785.4
32.5°	2278.4	2280.8	2310.2	2334.8	2334.8	2285.7	2231.8	2224.4	2221.9	2248.9	2077.3
35°	2364.2	2371.5	2413.2	2479.5	2506.4	2486.8	2489.3	2516.2	2543.2	2609.4	2479.5
37.5°	2428.0	2437.8	2477.0	2553.0	2629.1	2680.6	2729.6	2803.2	2844.9	2945.4	2766.4
40°	2445.1	2457.4	2540.8	2648.7	2771.3	2889.0	2977.3	3068.1	3095.0	3166.2	2940.5
42.5°	2391.2	2403.4	2508.9	2727.2	2898.8	3082.8	3178.4	3293.7	3340.3	3313.3	3085.2
45°	2354.4	2361.7	2472.1	2719.8	3009.2	3271.6	3364.8	3485.0	3514.4	3450.6	3205.4
47.5°	2307.8	2315.1	2430.4	2710.0	3099.9	3433.5	3497.2	3629.7	3659.1	3561.0	3308.4
50°	2239.1	2244.0	2376.5	2690.4	3158.8	3548.7	3619.9	3752.3	3764.6	3664.0	3406.5
52.5°	2155.7	2170.4	2298.0	2643.8	3200.5	3619.9	3705.7	3847.9	3865.1	3796.4	3514.4
55°	2042.9	2060.1	2207.2	2575.1	3185.8	3644.4	3744.9	3975.5	4004.9	3948.5	3605.1
57.5°	1927.6	1952.2	2096.9	2479.5	3126.9	3681.2	3874.9	4164.3	4203.6	4098.1	3678.7
60°	1809.9	1819.7	1969.3	2349.5	3028.8	3718.0	4022.1	4412.0	4448.8	4245.2	3737.6
62.5°	1675.0	1687.3	1819.7	2170.4	2859.6	3683.6	4132.4	4620.5	4642.5	4367.9	3762.1
65°	1518.1	1518.1	1630.9	1952.2	2631.5	3561.0	4147.1	4728.4	4743.1	4446.3	3732.7
67.5°	1299.8	1309.6	1400.4	1682.4	2325.0	3320.7	4063.8	4752.9	4789.7	4495.4	3651.7
70°	1008.0	1030.0	1106.1	1348.9	1898.2	2987.1	3938.7	4792.1	4821.6	4424.3	3470.3
72.5°	689.1	711.2	779.9	924.6	1368.5	2396.1	3563.5	4421.8	4429.2	4078.5	3117.1
75°	181.5	201.1	255.1	370.3	573.9	1611.3	2849.8	3744.9	3789.1	3526.7	2572.7
77.5°	54.0	54.0	66.2	85.8	117.7	328.6	1449.4	2386.3	2430.4	2325.0	1603.9
80°	41.7	41.7	49.0	58.9	76.0	169.2	502.8	880.4	934.4	998.2	662.2
82.5°	27.0	29.4	31.9	34.3	34.3	68.7	134.9	225.6	223.2	242.8	213.4
85°	17.2	17.2	14.7	14.7	12.3	17.2	12.3	14.7	17.2	17.2	19.6
87.5°	2.5	0.0	0.0	0.0	0.0	2.5	2.5	4.9	4.9	4.9	7.4
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: P507658
 CATALOG NUMBER: VERD-S-CA1-60-760-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8
2.5°	1174.7	1177.2	1179.6	1182.1	1187.0	1187.0	1189.5	1189.5	1189.5	1189.5	1189.5
5°	1189.5	1191.9	1199.3	1206.6	1223.8	1233.6	1243.4	1250.8	1250.8	1255.7	1255.7
7.5°	1211.5	1218.9	1241.0	1250.8	1265.5	1280.2	1287.6	1290.0	1294.9	1294.9	1294.9
10°	1248.3	1255.7	1272.8	1280.2	1287.6	1287.6	1285.1	1282.6	1275.3	1272.8	1275.3
12.5°	1282.6	1292.5	1292.5	1290.0	1282.6	1272.8	1260.6	1248.3	1236.1	1226.2	1226.2
15°	1324.3	1319.4	1304.7	1285.1	1265.5	1241.0	1216.4	1194.4	1174.7	1167.4	1167.4
17.5°	1361.1	1348.9	1317.0	1280.2	1238.5	1199.3	1160.0	1123.2	1088.9	1076.6	1069.3
20°	1405.3	1383.2	1326.8	1270.4	1211.5	1150.2	1084.0	1017.8	958.9	934.4	931.9
22.5°	1456.8	1420.0	1341.5	1255.7	1177.2	1084.0	973.6	880.4	821.6	792.2	787.2
25°	1518.1	1464.1	1356.2	1243.4	1135.5	998.2	851.0	745.6	672.0	640.1	627.8
27.5°	1594.1	1523.0	1375.8	1228.7	1071.7	892.7	725.9	603.3	522.4	483.1	478.2
30°	1692.2	1594.1	1395.5	1206.6	993.3	770.1	591.0	453.7	372.8	333.5	323.7
32.5°	1917.8	1738.8	1420.0	1169.8	895.2	652.4	446.4	304.1	223.2	186.4	183.9
35°	2300.4	2065.0	1476.4	1120.8	797.1	512.6	286.9	161.9	120.2	105.5	105.5
37.5°	2587.4	2337.2	1628.4	1057.0	669.5	343.3	147.1	95.6	76.0	73.6	73.6
40°	2759.0	2499.1	1795.2	985.9	517.5	183.9	90.7	73.6	68.7	66.2	66.2
42.5°	2901.3	2634.0	1873.7	897.6	328.6	103.0	76.0	68.7	63.8	61.3	61.3
45°	3019.0	2737.0	1883.5	784.8	183.9	85.8	71.1	61.3	58.9	56.4	56.4
47.5°	3112.2	2825.3	1859.0	625.4	115.3	80.9	66.2	56.4	51.5	51.5	51.5
50°	3200.5	2901.3	1790.3	492.9	107.9	76.0	61.3	51.5	49.0	49.0	49.0
52.5°	3281.4	2955.2	1675.0	397.3	100.6	71.1	58.9	49.0	44.1	46.6	46.6
55°	3347.6	2977.3	1557.3	306.6	95.6	68.7	56.4	46.6	41.7	41.7	41.7
57.5°	3384.4	2930.7	1459.2	233.0	93.2	66.2	54.0	44.1	36.8	34.3	34.3
60°	3386.9	2869.4	1368.5	196.2	88.3	61.3	51.5	39.2	31.9	29.4	29.4
62.5°	3342.7	2795.8	1231.1	169.2	83.4	58.9	46.6	36.8	29.4	27.0	27.0
65°	3256.9	2665.8	1079.1	144.7	80.9	58.9	41.7	34.3	29.4	24.5	24.5
67.5°	3119.6	2450.0	875.5	127.5	76.0	54.0	41.7	31.9	27.0	24.5	24.5
70°	2859.6	2141.0	605.8	110.4	71.1	49.0	39.2	31.9	27.0	22.1	22.1
72.5°	2464.7	1738.8	299.2	90.7	61.3	49.0	39.2	29.4	24.5	22.1	22.1
75°	1905.6	1245.9	181.5	73.6	49.0	44.1	36.8	29.4	24.5	19.6	19.6
77.5°	1120.8	554.3	130.0	56.4	36.8	34.3	31.9	27.0	22.1	19.6	19.6
80°	409.6	235.4	95.6	44.1	29.4	29.4	24.5	22.1	19.6	17.2	17.2
82.5°	159.4	125.1	63.8	31.9	24.5	22.1	19.6	17.2	14.7	14.7	14.7
85°	22.1	22.1	22.1	17.2	14.7	14.7	12.3	12.3	9.8	9.8	9.8
87.5°	7.4	7.4	7.4	9.8	7.4	7.4	4.9	4.9	4.9	7.4	7.4
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)