

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: P507706

Luminaire Tested: **VERD-S-CA1-70-760-U-T3-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507706
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-CA1-70-760-U-T3-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5700K, 1330mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9146 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

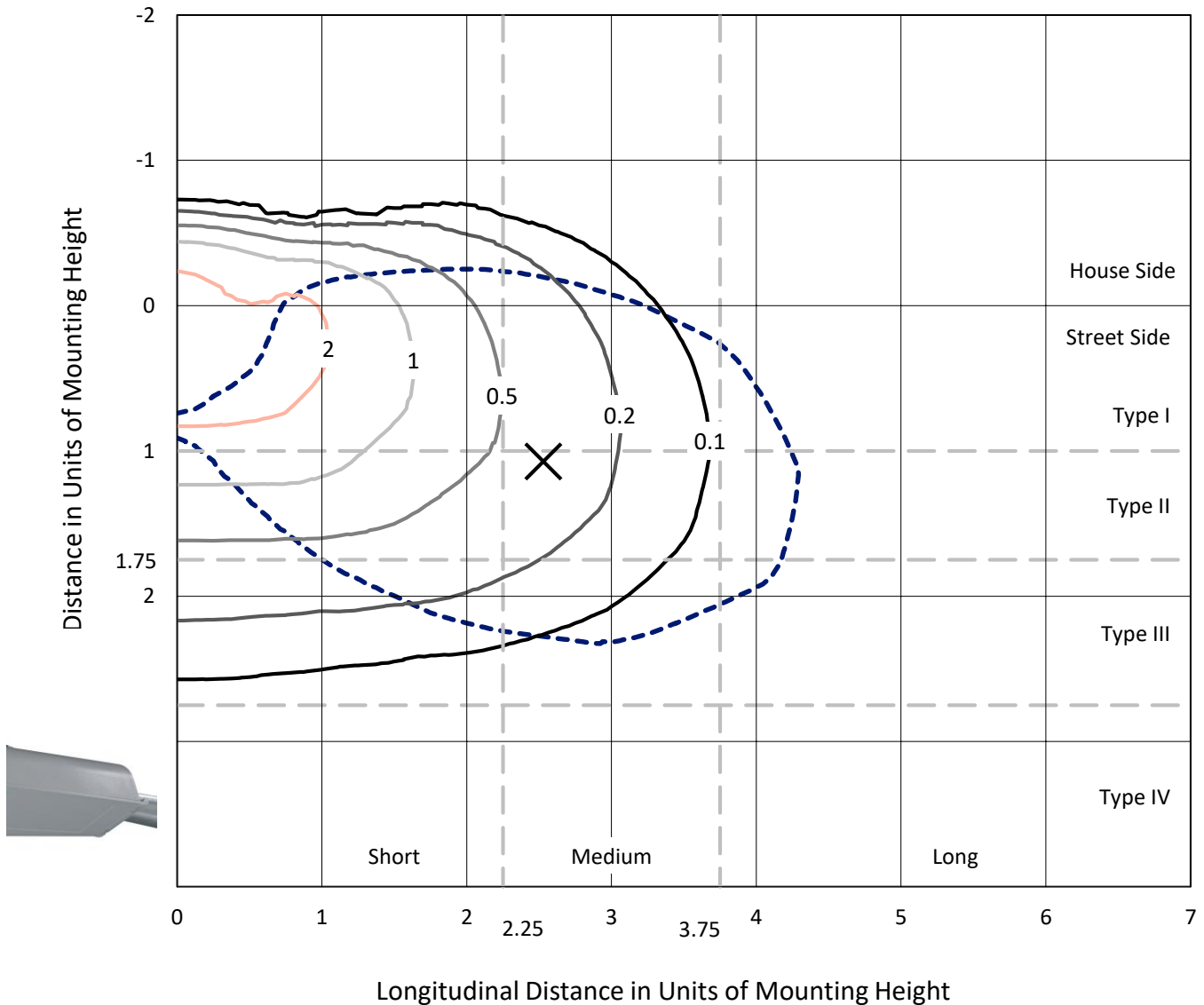
Input Watts (W): 73.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

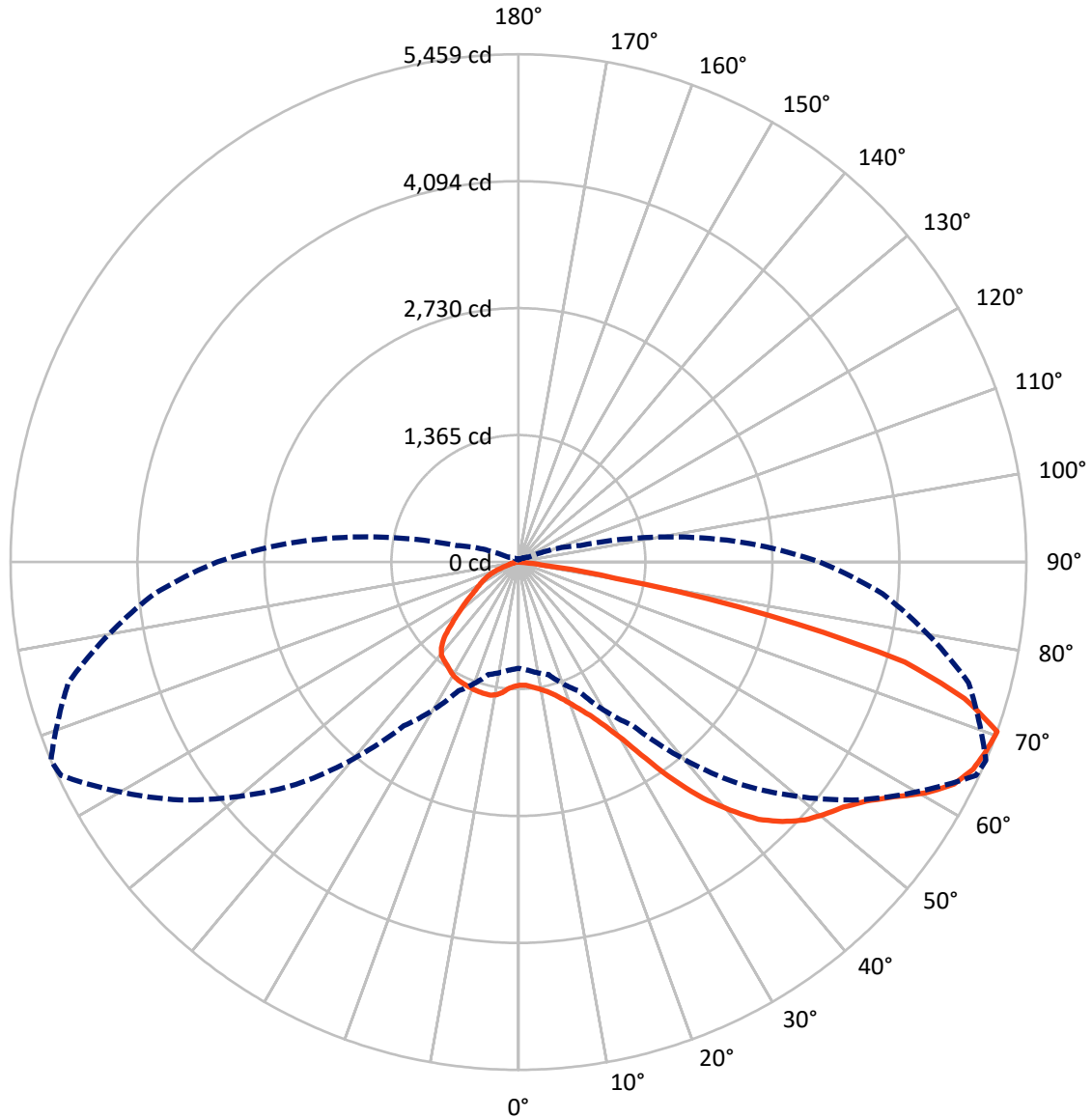
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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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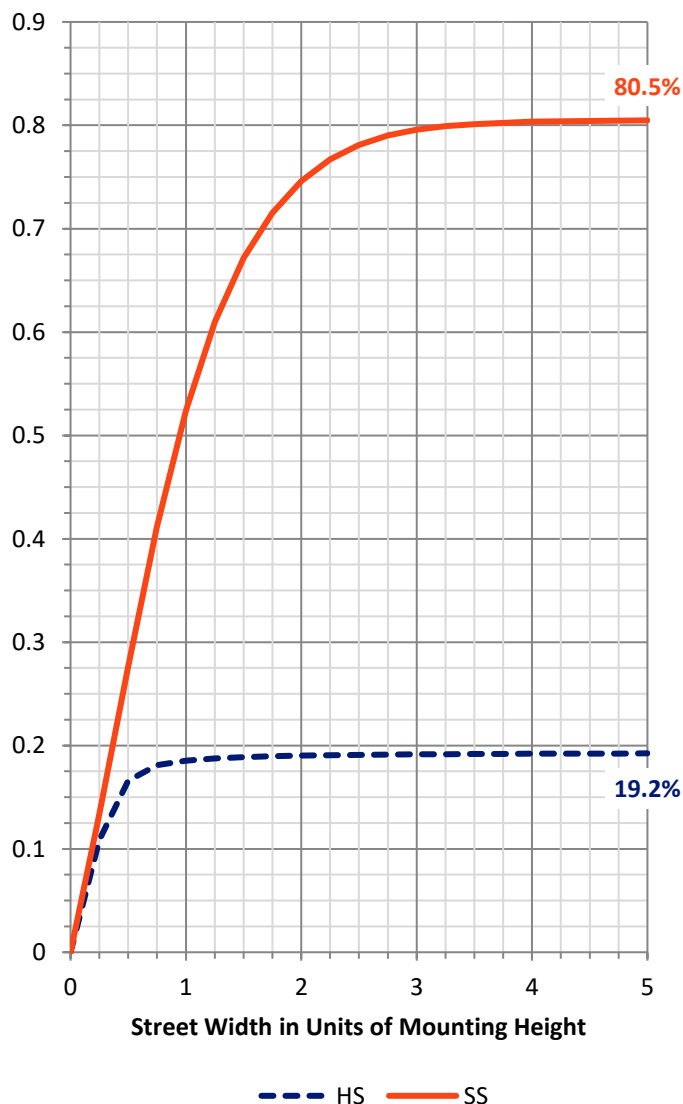
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1782.4	0.0	1782.4
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	7363.6	0.0	7363.6
	% Fixture	80.5	0.0	80.5
Total	Lumens	9146.0	0.0	9146.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.3	1.5
10°-20°	422.2	4.6
20°-30°	733.7	8.0
30°-40°	1149.0	12.6
40°-50°	1616.6	17.7
50°-60°	1928.1	21.1
60°-70°	1997.9	21.8
70°-80°	1102.5	12.1
80°-90°	62.8	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°	9146.0	100.0
0°-180°	9146.0	100.0

Coefficient of Utilization



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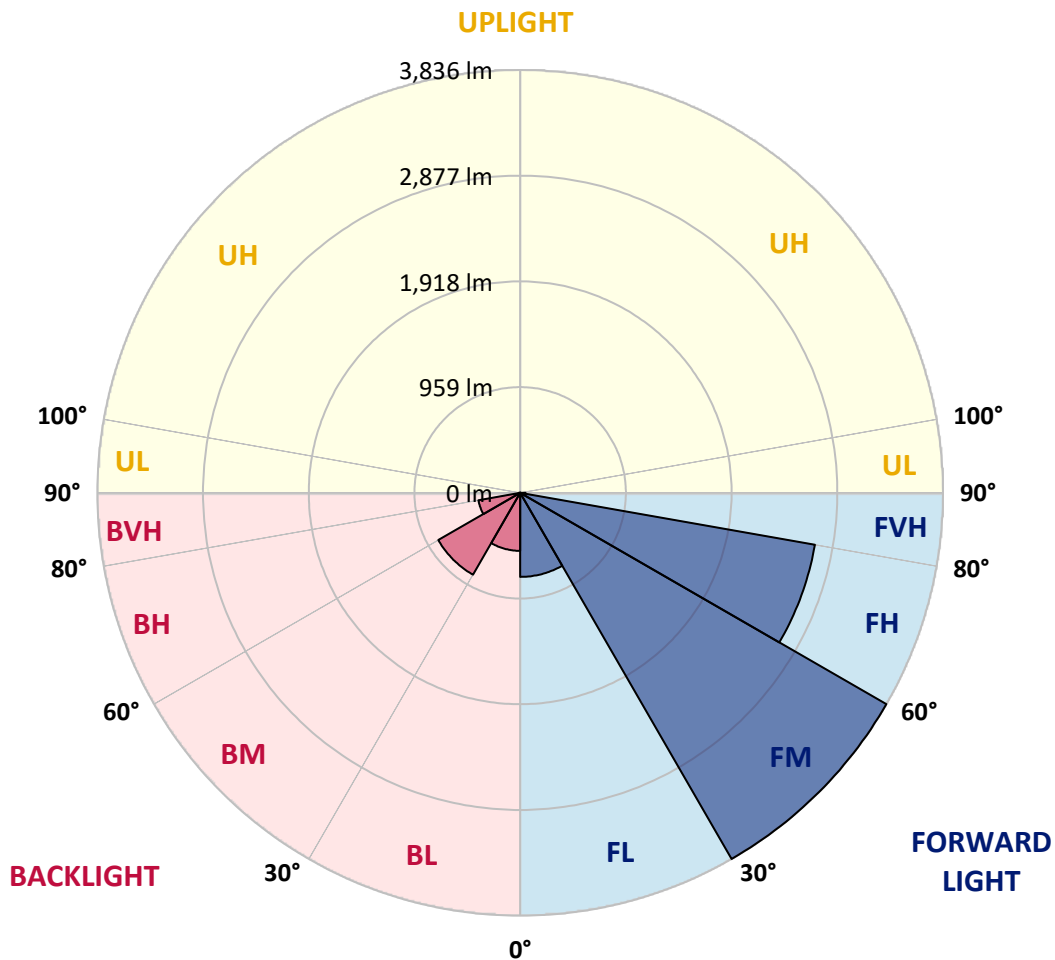
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	762.9	8.3			
FM (30°-60°)	3836.3	41.9			
FH (60°-80°)	2715.6	29.7			G2/5000
FVH (80°-90°)	48.8	0.5			G1/100
BL (0°-30°)	526.3	5.8	B2/1000		
BM (30°-60°)	857.4	9.4	B1/1000		
BH (60°-80°)	384.8	4.2	B1/500		G1/500
BVH (80°-90°)	14.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5
2.5°	1332.8	1332.8	1332.8	1330.1	1330.1	1330.1	1327.3	1324.5	1324.5	1324.5	1327.3
5°	1368.9	1368.9	1366.1	1363.4	1360.6	1352.3	1346.7	1343.9	1343.9	1341.2	1346.7
7.5°	1413.4	1413.4	1413.4	1407.8	1399.5	1388.4	1377.3	1368.9	1366.1	1363.4	1366.1
10°	1480.0	1480.0	1474.4	1466.1	1452.2	1435.6	1416.1	1399.5	1396.7	1391.1	1396.7
12.5°	1566.1	1557.7	1552.2	1538.3	1521.6	1493.9	1463.3	1438.3	1432.8	1427.2	1446.7
15°	1654.9	1652.2	1638.3	1629.9	1602.2	1566.1	1524.4	1491.1	1485.5	1474.4	1491.1
17.5°	1760.4	1763.2	1757.7	1743.8	1704.9	1652.2	1602.2	1555.0	1549.4	1541.1	1549.4
20°	1904.8	1899.3	1888.2	1868.7	1824.3	1754.9	1691.0	1638.3	1629.9	1624.4	1616.1
22.5°	2049.2	2052.0	2029.8	2010.3	1954.8	1888.2	1802.1	1738.2	1727.1	1724.3	1685.5
25°	2188.1	2193.6	2185.3	2160.3	2113.1	2027.0	1932.6	1854.9	1841.0	1838.2	1771.6
27.5°	2332.4	2335.2	2343.6	2332.4	2282.5	2193.6	2088.1	1999.2	1999.2	1977.0	1877.1
30°	2471.3	2476.8	2482.4	2482.4	2457.4	2379.7	2288.0	2210.3	2210.3	2193.6	2021.5
32.5°	2579.6	2582.4	2615.7	2643.4	2643.4	2587.9	2526.8	2518.5	2515.7	2546.3	2351.9
35°	2676.8	2685.1	2732.3	2807.3	2837.8	2815.6	2818.4	2848.9	2879.5	2954.4	2807.3
37.5°	2749.0	2760.1	2804.5	2890.6	2976.6	3035.0	3090.5	3173.8	3221.0	3334.8	3132.1
40°	2768.4	2782.3	2876.7	2998.9	3137.7	3271.0	3370.9	3473.7	3504.2	3584.8	3329.3
42.5°	2707.3	2721.2	2840.6	3087.7	3282.1	3490.3	3598.6	3729.1	3781.9	3751.4	3493.1
45°	2665.7	2674.0	2798.9	3079.4	3407.0	3704.2	3809.7	3945.7	3979.0	3906.9	3629.2
47.5°	2612.9	2621.2	2751.7	3068.3	3509.8	3887.4	3959.6	4109.6	4142.9	4031.8	3745.8
50°	2535.2	2540.7	2690.6	3046.1	3576.4	4017.9	4098.4	4248.4	4262.3	4148.4	3856.9
52.5°	2440.7	2457.4	2601.8	2993.3	3623.6	4098.4	4195.6	4356.7	4376.1	4298.4	3979.0
55°	2313.0	2332.4	2499.1	2915.6	3607.0	4126.2	4240.1	4501.1	4534.4	4470.5	4081.8
57.5°	2182.5	2210.3	2374.1	2807.3	3540.3	4167.9	4387.2	4714.9	4759.3	4639.9	4165.1
60°	2049.2	2060.3	2229.7	2660.1	3429.3	4209.5	4553.8	4995.3	5037.0	4806.5	4231.7
62.5°	1896.5	1910.4	2060.3	2457.4	3237.7	4170.6	4678.8	5231.4	5256.3	4945.3	4259.5
65°	1718.8	1718.8	1846.5	2210.3	2979.4	4031.8	4695.4	5353.5	5370.2	5034.2	4226.2
67.5°	1471.7	1482.8	1585.5	1904.8	2632.3	3759.7	4601.0	5381.3	5422.9	5089.7	4134.5
70°	1141.2	1166.2	1252.3	1527.2	2149.2	3382.1	4459.4	5425.7	5459.0	5009.2	3929.1
72.5°	780.3	805.3	883.0	1046.8	1549.4	2712.9	4034.6	5006.4	5014.8	4617.7	3529.2
75°	205.5	227.7	288.8	419.3	649.8	1824.3	3226.6	4240.1	4290.0	3992.9	2912.8
77.5°	61.1	61.1	75.0	97.2	133.3	372.1	1641.0	2701.8	2751.7	2632.3	1816.0
80°	47.2	47.2	55.5	66.6	86.1	191.6	569.2	996.8	1057.9	1130.1	749.7
82.5°	30.5	33.3	36.1	38.9	38.9	77.7	152.7	255.5	252.7	274.9	241.6
85°	19.4	19.4	16.7	16.7	13.9	19.4	13.9	16.7	19.4	19.4	22.2
87.5°	2.8	0.0	0.0	0.0	0.0	2.8	2.8	5.6	5.6	5.6	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5
2.5°	1330.1	1332.8	1335.6	1338.4	1343.9	1343.9	1346.7	1346.7	1346.7	1346.7	1346.7
5°	1346.7	1349.5	1357.8	1366.1	1385.6	1396.7	1407.8	1416.1	1416.1	1421.7	1421.7
7.5°	1371.7	1380.0	1405.0	1416.1	1432.8	1449.5	1457.8	1460.6	1466.1	1466.1	1466.1
10°	1413.4	1421.7	1441.1	1449.5	1457.8	1457.8	1455.0	1452.2	1443.9	1441.1	1443.9
12.5°	1452.2	1463.3	1463.3	1460.6	1452.2	1441.1	1427.2	1413.4	1399.5	1388.4	1388.4
15°	1499.4	1493.9	1477.2	1455.0	1432.8	1405.0	1377.3	1352.3	1330.1	1321.7	1321.7
17.5°	1541.1	1527.2	1491.1	1449.5	1402.2	1357.8	1313.4	1271.7	1232.9	1219.0	1210.7
20°	1591.1	1566.1	1502.2	1438.3	1371.7	1302.3	1227.3	1152.3	1085.7	1057.9	1055.2
22.5°	1649.4	1607.7	1518.9	1421.7	1332.8	1227.3	1102.4	996.8	930.2	896.9	891.3
25°	1718.8	1657.7	1535.5	1407.8	1285.6	1130.1	963.5	844.1	760.8	724.7	710.8
27.5°	1804.9	1724.3	1557.7	1391.1	1213.4	1010.7	821.9	683.1	591.4	547.0	541.5
30°	1915.9	1804.9	1580.0	1366.1	1124.6	871.9	669.2	513.7	422.1	377.6	366.5
32.5°	2171.4	1968.7	1607.7	1324.5	1013.5	738.6	505.4	344.3	252.7	211.0	208.3
35°	2604.6	2338.0	1671.6	1269.0	902.4	580.3	324.9	183.3	136.1	119.4	119.4
37.5°	2929.4	2646.2	1843.7	1196.8	758.0	388.7	166.6	108.3	86.1	83.3	83.3
40°	3123.8	2829.5	2032.6	1116.2	585.9	208.3	102.7	83.3	77.7	75.0	75.0
42.5°	3284.9	2982.2	2121.4	1016.3	372.1	116.6	86.1	77.7	72.2	69.4	69.4
45°	3418.1	3098.8	2132.5	888.6	208.3	97.2	80.5	69.4	66.6	63.9	63.9
47.5°	3523.7	3198.8	2104.8	708.1	130.5	91.6	75.0	63.9	58.3	58.3	58.3
50°	3623.6	3284.9	2027.0	558.1	122.2	86.1	69.4	58.3	55.5	55.5	55.5
52.5°	3715.3	3346.0	1896.5	449.8	113.8	80.5	66.6	55.5	50.0	52.8	52.8
55°	3790.2	3370.9	1763.2	347.1	108.3	77.7	63.9	52.8	47.2	47.2	47.2
57.5°	3831.9	3318.2	1652.2	263.8	105.5	75.0	61.1	50.0	41.7	38.9	38.9
60°	3834.7	3248.8	1549.4	222.1	100.0	69.4	58.3	44.4	36.1	33.3	33.3
62.5°	3784.7	3165.5	1393.9	191.6	94.4	66.6	52.8	41.7	33.3	30.5	30.5
65°	3687.5	3018.3	1221.8	163.8	91.6	66.6	47.2	38.9	33.3	27.8	27.8
67.5°	3532.0	2773.9	991.3	144.4	86.1	61.1	47.2	36.1	30.5	27.8	27.8
70°	3237.7	2424.1	685.9	125.0	80.5	55.5	44.4	36.1	30.5	25.0	25.0
72.5°	2790.6	1968.7	338.8	102.7	69.4	55.5	44.4	33.3	27.8	25.0	25.0
75°	2157.5	1410.6	205.5	83.3	55.5	50.0	41.7	33.3	27.8	22.2	22.2
77.5°	1269.0	627.5	147.2	63.9	41.7	38.9	36.1	30.5	25.0	22.2	22.2
80°	463.7	266.6	108.3	50.0	33.3	33.3	27.8	25.0	22.2	19.4	19.4
82.5°	180.5	141.6	72.2	36.1	27.8	25.0	22.2	19.4	16.7	16.7	16.7
85°	25.0	25.0	25.0	19.4	16.7	16.7	13.9	13.9	11.1	11.1	11.1
87.5°	8.3	8.3	8.3	11.1	8.3	8.3	5.6	5.6	5.6	8.3	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

(END OF REPORT)