

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: P507634

Luminaire Tested: **VERD-S-CA1-60-730-U-T3-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507634
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-CA1-60-730-U-T3-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1150mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7958 lumens
Efficiency: N/A
Efficacy: 125.7 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

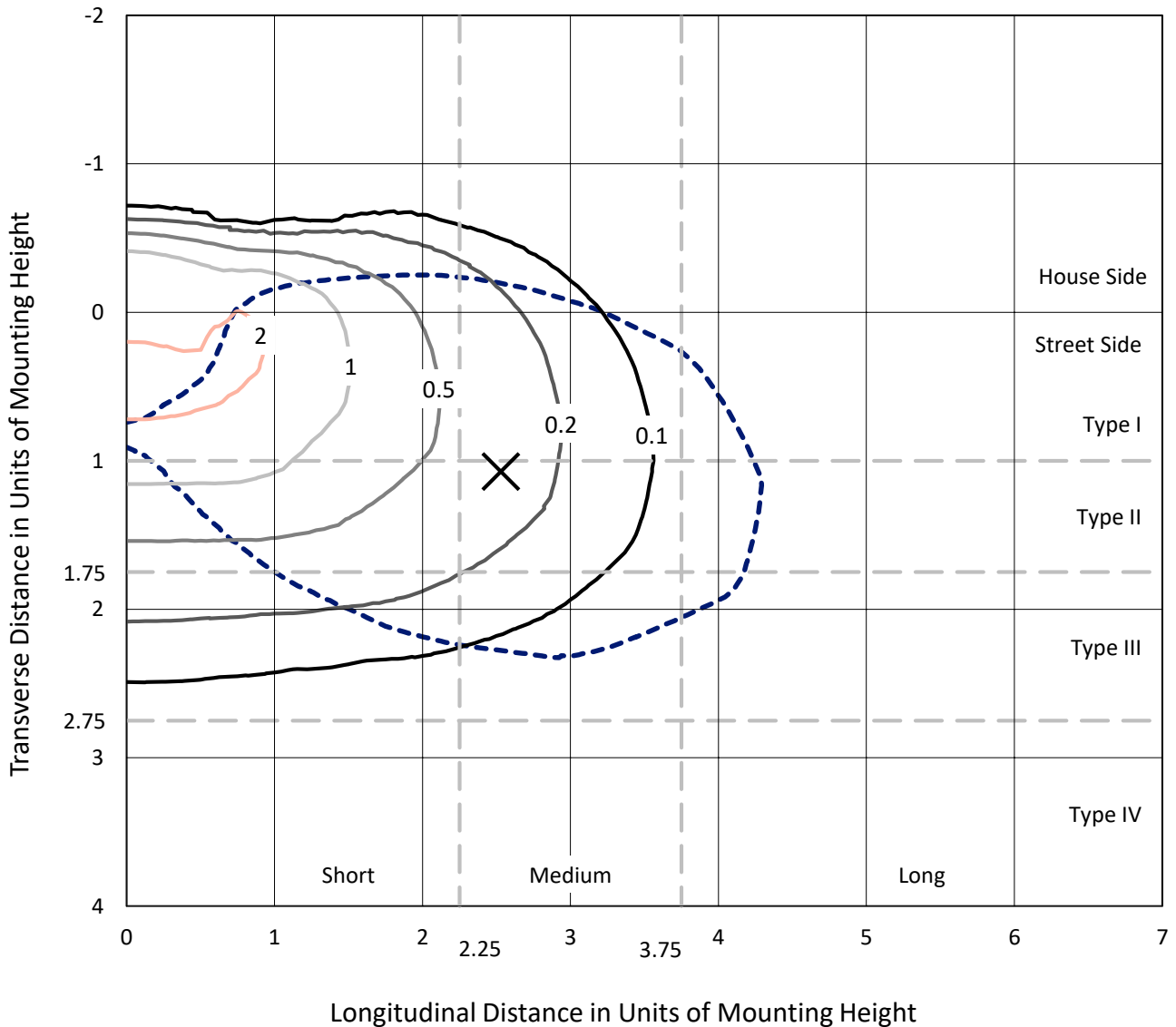
Input Watts (W): 63.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

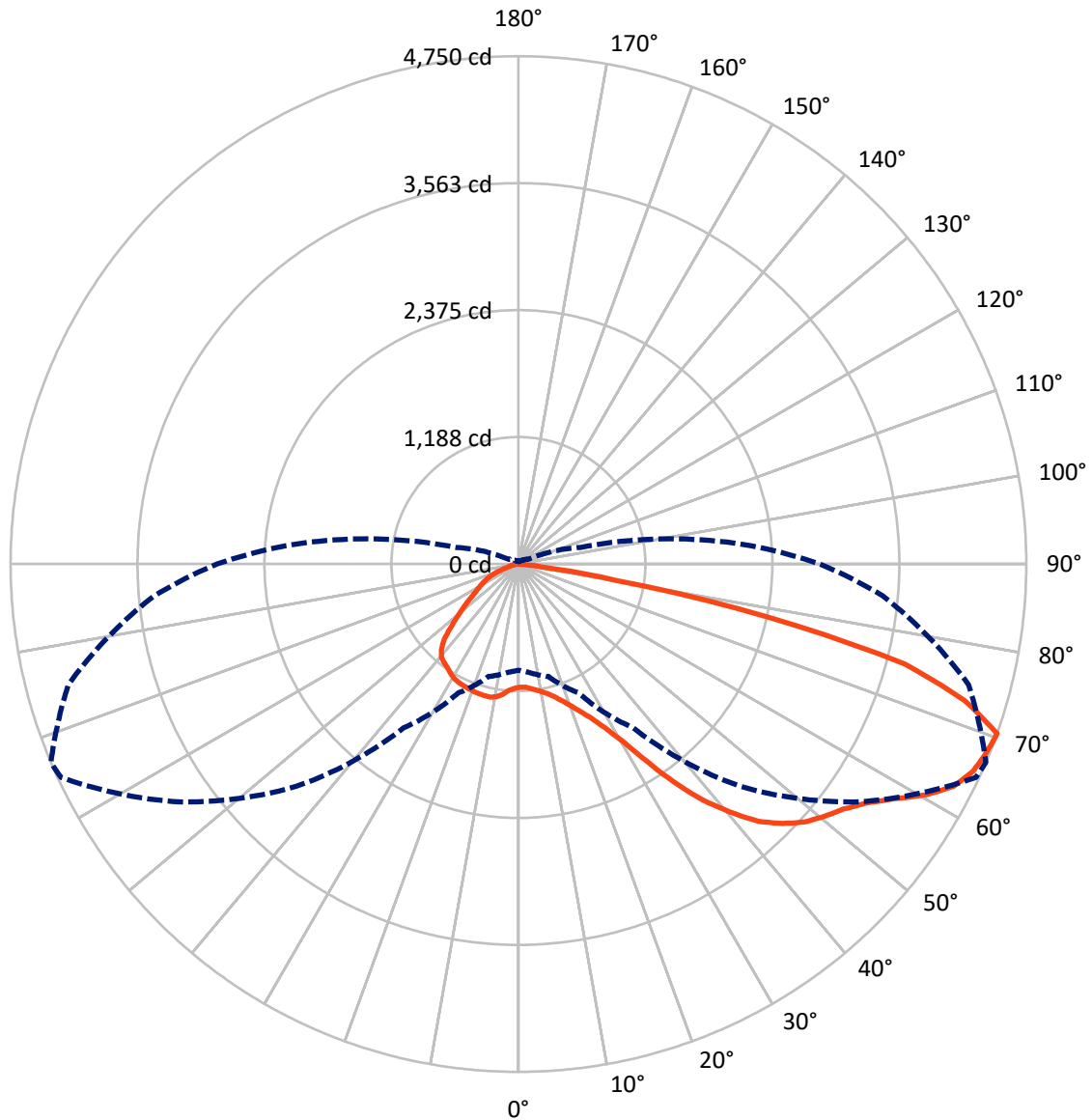
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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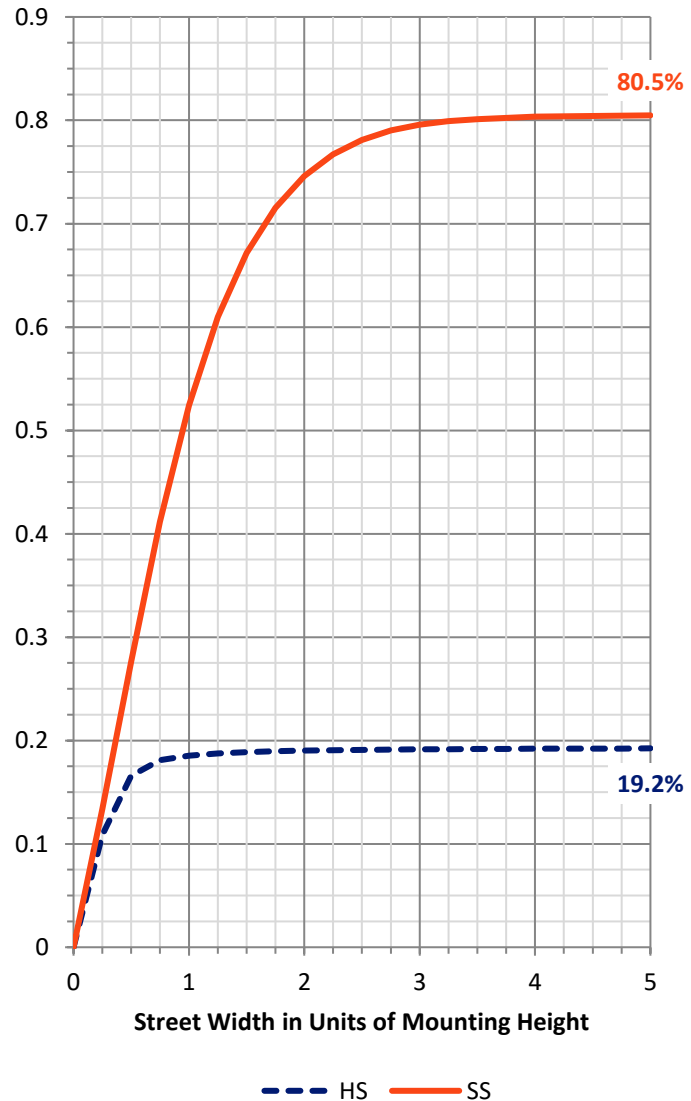
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1550.9	0.0	1550.9
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	6407.1	0.0	6407.1
	% Fixture	80.5	0.0	80.5
Total	Lumens	7958.0	0.0	7958.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.0	1.5
10°-20°	367.4	4.6
20°-30°	638.4	8.0
30°-40°	999.7	12.6
40°-50°	1406.6	17.7
50°-60°	1677.6	21.1
60°-70°	1738.4	21.8
70°-80°	959.3	12.1
80°-90°	54.6	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°	7958.0	100.0
0°-180°	7958.0	100.0



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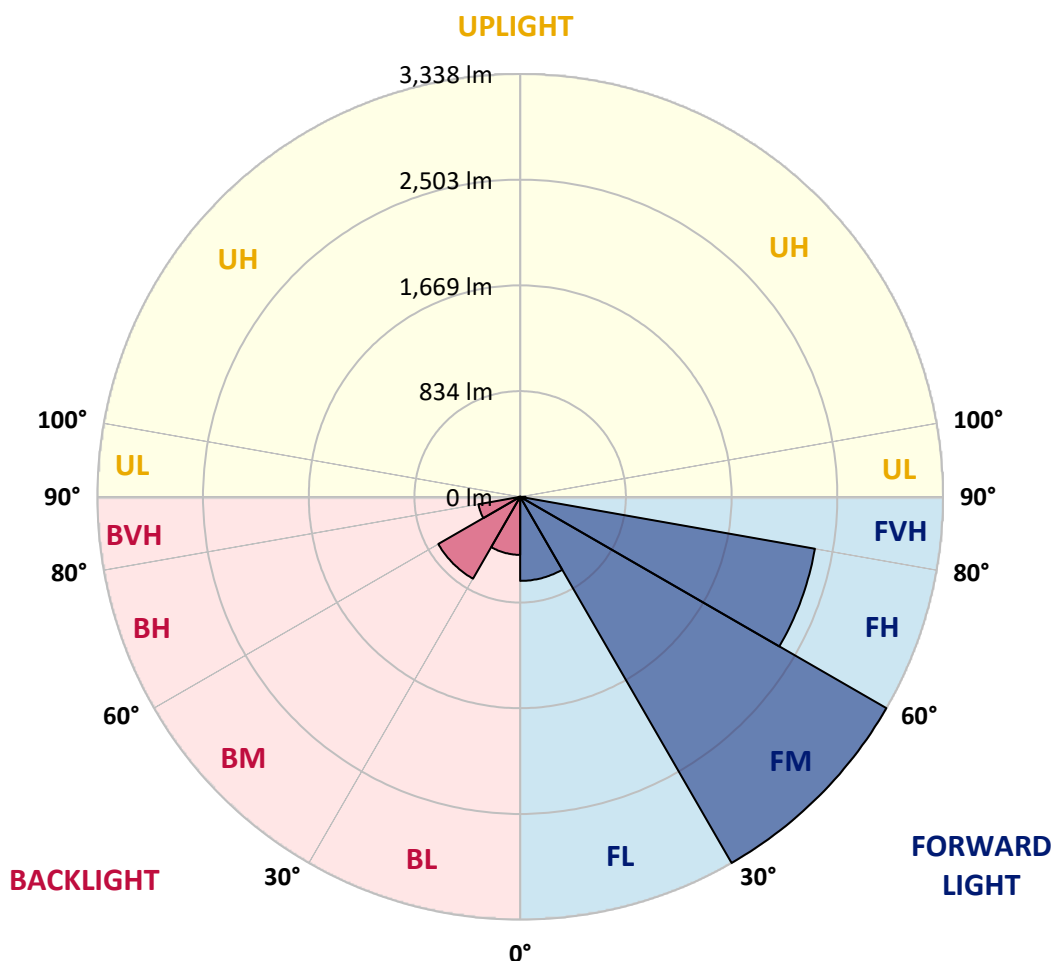
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	663.8	8.3			
FM (30°-60°)	3338.0	41.9			
FH (60°-80°)	2362.9	29.7			G2/5000
FVH (80°-90°)	42.4	0.5			G1/100
BL (0°-30°)	457.9	5.8	B1/500		
BM (30°-60°)	746.0	9.4	B1/1000		
BH (60°-80°)	334.8	4.2	B1/500		G1/500
BVH (80°-90°)	12.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1152.5	1152.5	1152.5	1152.5	1152.5	1152.5	1152.5	1152.5	1152.5	1152.5	1152.5
2.5°	1159.7	1159.7	1159.7	1157.3	1157.3	1157.3	1154.9	1152.5	1152.5	1152.5	1154.9
5°	1191.1	1191.1	1188.7	1186.3	1183.9	1176.6	1171.8	1169.4	1169.4	1167.0	1171.8
7.5°	1229.8	1229.8	1229.8	1224.9	1217.7	1208.0	1198.4	1191.1	1188.7	1186.3	1188.7
10°	1287.8	1287.8	1282.9	1275.7	1263.6	1249.1	1232.2	1217.7	1215.3	1210.4	1215.3
12.5°	1362.7	1355.4	1350.6	1338.5	1324.0	1299.8	1273.3	1251.5	1246.7	1241.8	1258.8
15°	1440.0	1437.5	1425.5	1418.2	1394.1	1362.7	1326.4	1297.4	1292.6	1282.9	1297.4
17.5°	1531.8	1534.2	1529.4	1517.3	1483.5	1437.5	1394.1	1353.0	1348.2	1340.9	1348.2
20°	1657.4	1652.6	1642.9	1626.0	1587.3	1526.9	1471.4	1425.5	1418.2	1413.4	1406.1
22.5°	1783.0	1785.5	1766.1	1749.2	1700.9	1642.9	1568.0	1512.4	1502.8	1500.4	1466.5
25°	1903.8	1908.7	1901.4	1879.7	1838.6	1763.7	1681.6	1613.9	1601.8	1599.4	1541.4
27.5°	2029.5	2031.9	2039.1	2029.5	1986.0	1908.7	1816.9	1739.6	1739.6	1720.2	1633.2
30°	2150.3	2155.1	2159.9	2159.9	2138.2	2070.6	1990.8	1923.2	1923.2	1908.7	1758.9
32.5°	2244.5	2246.9	2275.9	2300.1	2300.1	2251.8	2198.6	2191.4	2188.9	2215.5	2046.4
35°	2329.1	2336.3	2377.4	2442.6	2469.2	2449.9	2452.3	2478.9	2505.4	2570.7	2442.6
37.5°	2391.9	2401.6	2440.2	2515.1	2590.0	2640.7	2689.1	2761.5	2802.6	2901.7	2725.3
40°	2408.8	2420.9	2503.0	2609.3	2730.1	2846.1	2933.1	3022.5	3049.1	3119.1	2896.8
42.5°	2355.6	2367.7	2471.6	2686.6	2855.8	3037.0	3131.2	3244.8	3290.7	3264.1	3039.4
45°	2319.4	2326.7	2435.4	2679.4	2964.5	3223.0	3314.8	3433.2	3462.2	3399.4	3157.8
47.5°	2273.5	2280.7	2394.3	2669.7	3053.9	3382.5	3445.3	3575.8	3604.7	3508.1	3259.2
50°	2205.9	2210.7	2341.2	2650.4	3111.9	3496.0	3566.1	3696.6	3708.6	3609.6	3355.9
52.5°	2123.7	2138.2	2263.8	2604.5	3152.9	3566.1	3650.6	3790.8	3807.7	3740.0	3462.2
55°	2012.6	2029.5	2174.4	2536.9	3138.4	3590.2	3689.3	3916.4	3945.4	3889.8	3551.6
57.5°	1899.0	1923.2	2065.7	2442.6	3080.5	3626.5	3817.4	4102.5	4141.1	4037.2	3624.1
60°	1783.0	1792.7	1940.1	2314.6	2983.8	3662.7	3962.3	4346.5	4382.7	4182.2	3682.1
62.5°	1650.2	1662.2	1792.7	2138.2	2817.1	3628.9	4071.0	4551.8	4573.6	4303.0	3706.2
65°	1495.5	1495.5	1606.7	1923.2	2592.4	3508.1	4085.5	4658.1	4672.6	4380.3	3677.2
67.5°	1280.5	1290.2	1379.6	1657.4	2290.4	3271.3	4003.4	4682.3	4718.5	4428.6	3597.5
70°	993.0	1014.7	1089.6	1328.8	1870.0	2942.7	3880.2	4721.0	4750.0	4358.6	3418.7
72.5°	678.9	700.7	768.3	910.9	1348.2	2360.5	3510.5	4356.1	4363.4	4017.9	3070.8
75°	178.8	198.1	251.3	364.8	565.4	1587.3	2807.4	3689.3	3732.8	3474.3	2534.4
77.5°	53.2	53.2	65.2	84.6	116.0	323.8	1427.9	2350.8	2394.3	2290.4	1580.1
80°	41.1	41.1	48.3	58.0	74.9	166.7	495.3	867.4	920.5	983.3	652.3
82.5°	26.6	29.0	31.4	33.8	33.8	67.6	132.9	222.3	219.9	239.2	210.2
85°	16.9	16.9	14.5	14.5	12.1	16.9	12.1	14.5	16.9	16.9	19.3
87.5°	2.4	0.0	0.0	0.0	0.0	2.4	2.4	4.8	4.8	4.8	7.2
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°	1152.5	1152.5	1152.5	1152.5	1152.5	1152.5	1152.5	1152.5	1152.5	1152.5	1152.5
2.5°	1157.3	1159.7	1162.1	1164.5	1169.4	1169.4	1171.8	1171.8	1171.8	1171.8	1171.8
5°	1171.8	1174.2	1181.4	1188.7	1205.6	1215.3	1224.9	1232.2	1232.2	1237.0	1237.0
7.5°	1193.5	1200.8	1222.5	1232.2	1246.7	1261.2	1268.4	1270.8	1275.7	1275.7	1275.7
10°	1229.8	1237.0	1253.9	1261.2	1268.4	1268.4	1266.0	1263.6	1256.3	1253.9	1256.3
12.5°	1263.6	1273.3	1273.3	1270.8	1263.6	1253.9	1241.8	1229.8	1217.7	1208.0	1208.0
15°	1304.7	1299.8	1285.3	1266.0	1246.7	1222.5	1198.4	1176.6	1157.3	1150.0	1150.0
17.5°	1340.9	1328.8	1297.4	1261.2	1220.1	1181.4	1142.8	1106.6	1072.7	1060.6	1053.4
20°	1384.4	1362.7	1307.1	1251.5	1193.5	1133.1	1067.9	1002.7	944.7	920.5	918.1
22.5°	1435.1	1398.9	1321.6	1237.0	1159.7	1067.9	959.2	867.4	809.4	780.4	775.6
25°	1495.5	1442.4	1336.1	1224.9	1118.6	983.3	838.4	734.5	662.0	630.6	618.5
27.5°	1570.4	1500.4	1355.4	1210.4	1055.8	879.4	715.2	594.3	514.6	476.0	471.1
30°	1667.1	1570.4	1374.7	1188.7	978.5	758.6	582.3	447.0	367.2	328.6	318.9
32.5°	1889.3	1713.0	1398.9	1152.5	881.9	642.7	439.7	299.6	219.9	183.6	181.2
35°	2266.3	2034.3	1454.5	1104.1	785.2	505.0	282.7	159.5	118.4	103.9	103.9
37.5°	2548.9	2302.5	1604.3	1041.3	659.6	338.2	145.0	94.2	74.9	72.5	72.5
40°	2718.1	2462.0	1768.5	971.3	509.8	181.2	89.4	72.5	67.6	65.2	65.2
42.5°	2858.2	2594.8	1845.9	884.3	323.8	101.5	74.9	67.6	62.8	60.4	60.4
45°	2974.2	2696.3	1855.5	773.1	181.2	84.6	70.1	60.4	58.0	55.6	55.6
47.5°	3066.0	2783.3	1831.4	616.1	113.6	79.7	65.2	55.6	50.7	50.7	50.7
50°	3152.9	2858.2	1763.7	485.6	106.3	74.9	60.4	50.7	48.3	48.3	48.3
52.5°	3232.7	2911.3	1650.2	391.4	99.1	70.1	58.0	48.3	43.5	45.9	45.9
55°	3297.9	2933.1	1534.2	302.0	94.2	67.6	55.6	45.9	41.1	41.1	41.1
57.5°	3334.1	2887.2	1437.5	229.5	91.8	65.2	53.2	43.5	36.2	33.8	33.8
60°	3336.6	2826.8	1348.2	193.3	87.0	60.4	50.7	38.7	31.4	29.0	29.0
62.5°	3293.1	2754.3	1212.9	166.7	82.1	58.0	45.9	36.2	29.0	26.6	26.6
65°	3208.5	2626.2	1063.1	142.5	79.7	58.0	41.1	33.8	29.0	24.2	24.2
67.5°	3073.2	2413.6	862.5	125.6	74.9	53.2	41.1	31.4	26.6	24.2	24.2
70°	2817.1	2109.2	596.8	108.7	70.1	48.3	38.7	31.4	26.6	21.7	21.7
72.5°	2428.1	1713.0	294.8	89.4	60.4	48.3	38.7	29.0	24.2	21.7	21.7
75°	1877.3	1227.4	178.8	72.5	48.3	43.5	36.2	29.0	24.2	19.3	19.3
77.5°	1104.1	546.0	128.1	55.6	36.2	33.8	31.4	26.6	21.7	19.3	19.3
80°	403.5	231.9	94.2	43.5	29.0	29.0	24.2	21.7	19.3	16.9	16.9
82.5°	157.0	123.2	62.8	31.4	24.2	21.7	19.3	16.9	14.5	14.5	14.5
85°	21.7	21.7	21.7	16.9	14.5	14.5	12.1	12.1	9.7	9.7	9.7
87.5°	7.2	7.2	7.2	9.7	7.2	7.2	4.8	4.8	4.8	7.2	7.2
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)