

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: P509584

Luminaire Tested: **VERD-G-CA2-130-722-U-T4-HSS**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509584
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-7)
Test Lab: INNOVATION CENTER
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-130-722-U-T4-HSS
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1200mA LEDS AND TYPE IV OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13608 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

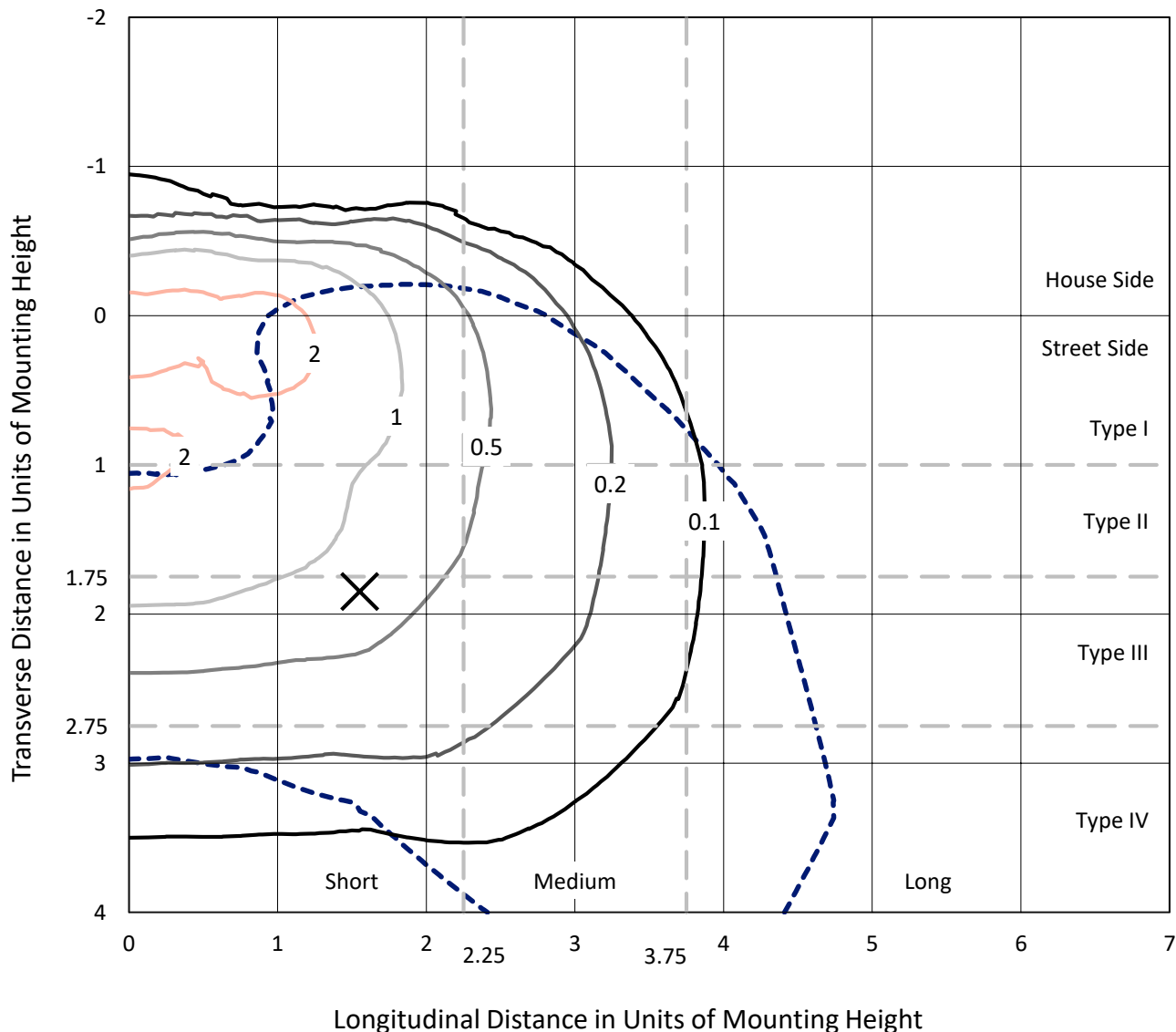
Input Watts (W): 133.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

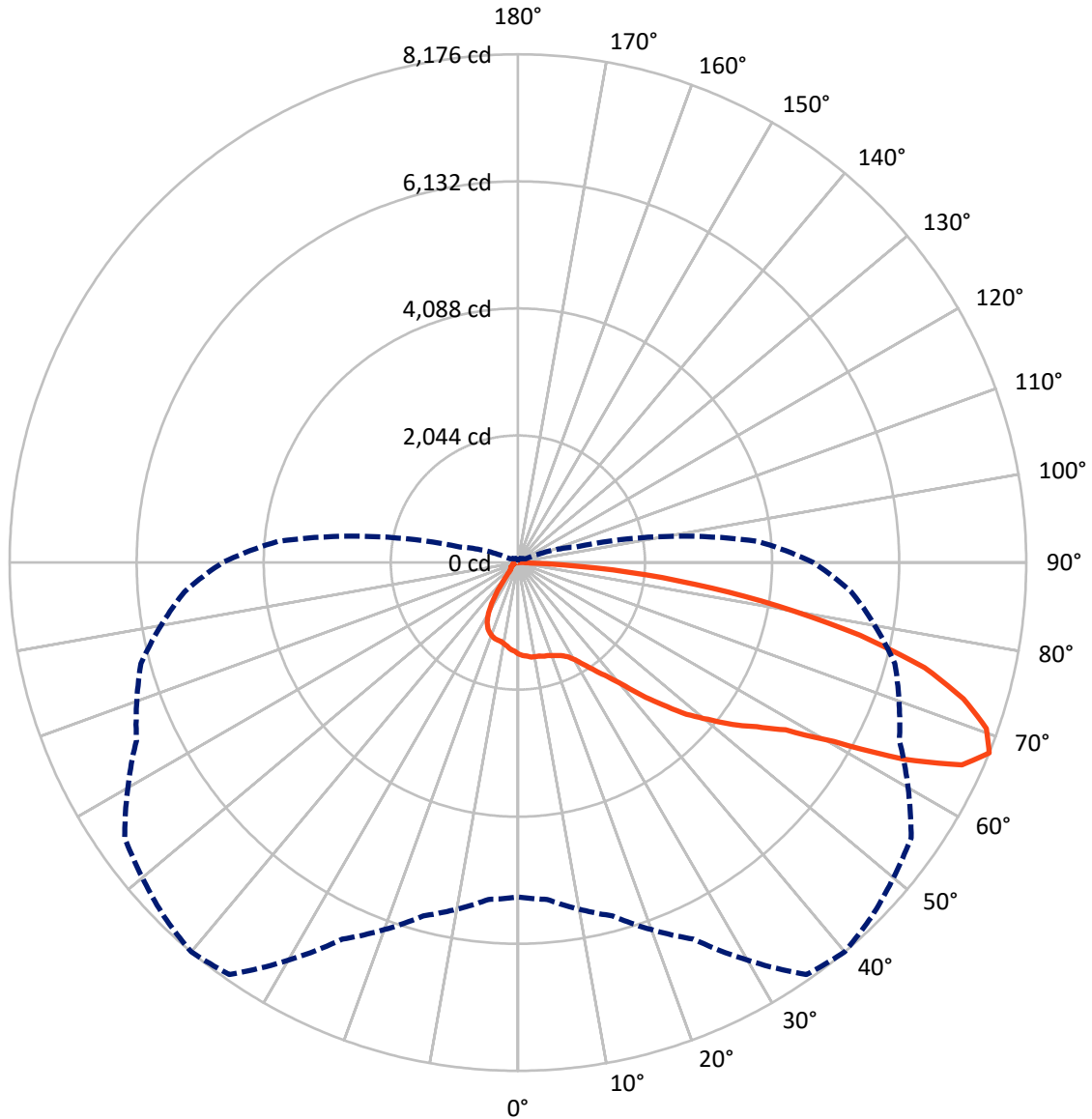
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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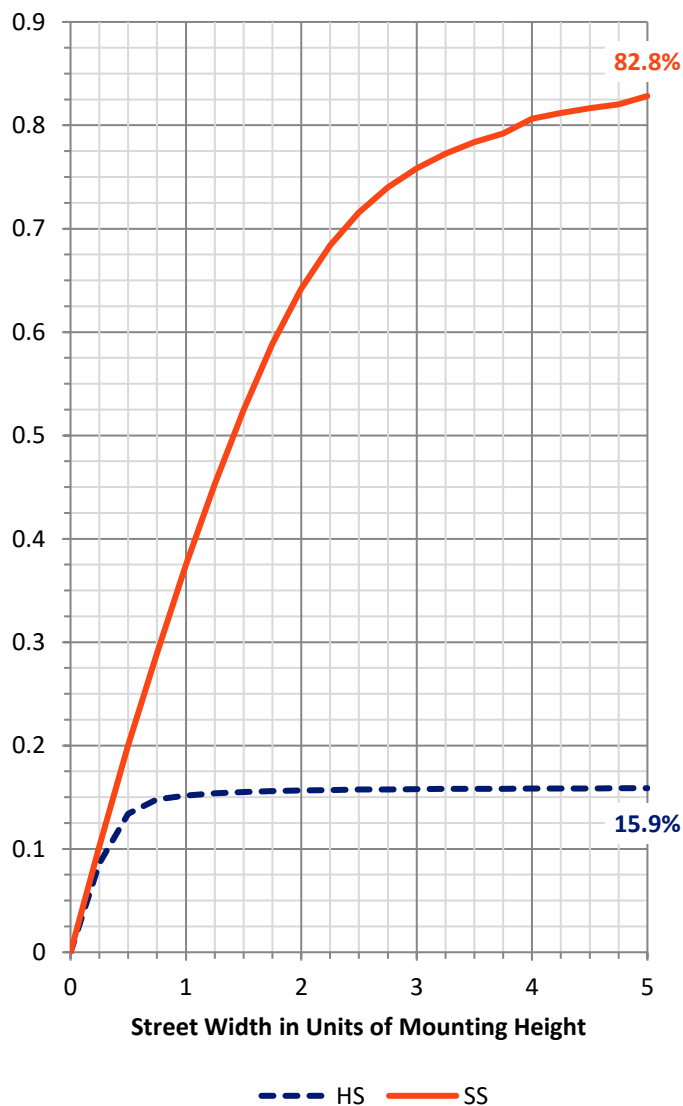
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2183.9	0.0	2183.9
	% Fixture	16.0	0.0	16.0
Street Side	Lumens	11424.1	0.0	11424.1
	% Fixture	84.0	0.0	84.0
Total	Lumens	13608.0	0.0	13608.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.4	1.0
10°-20°	413.5	3.0
20°-30°	687.8	5.1
30°-40°	1081.6	7.9
40°-50°	1872.7	13.8
50°-60°	2768.3	20.3
60°-70°	3598.9	26.4
70°-80°	2576.0	18.9
80°-90°	469.7	3.5
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°	13608.0	100.0
0°-180°	13608.0	100.0

Coefficient of Utilization



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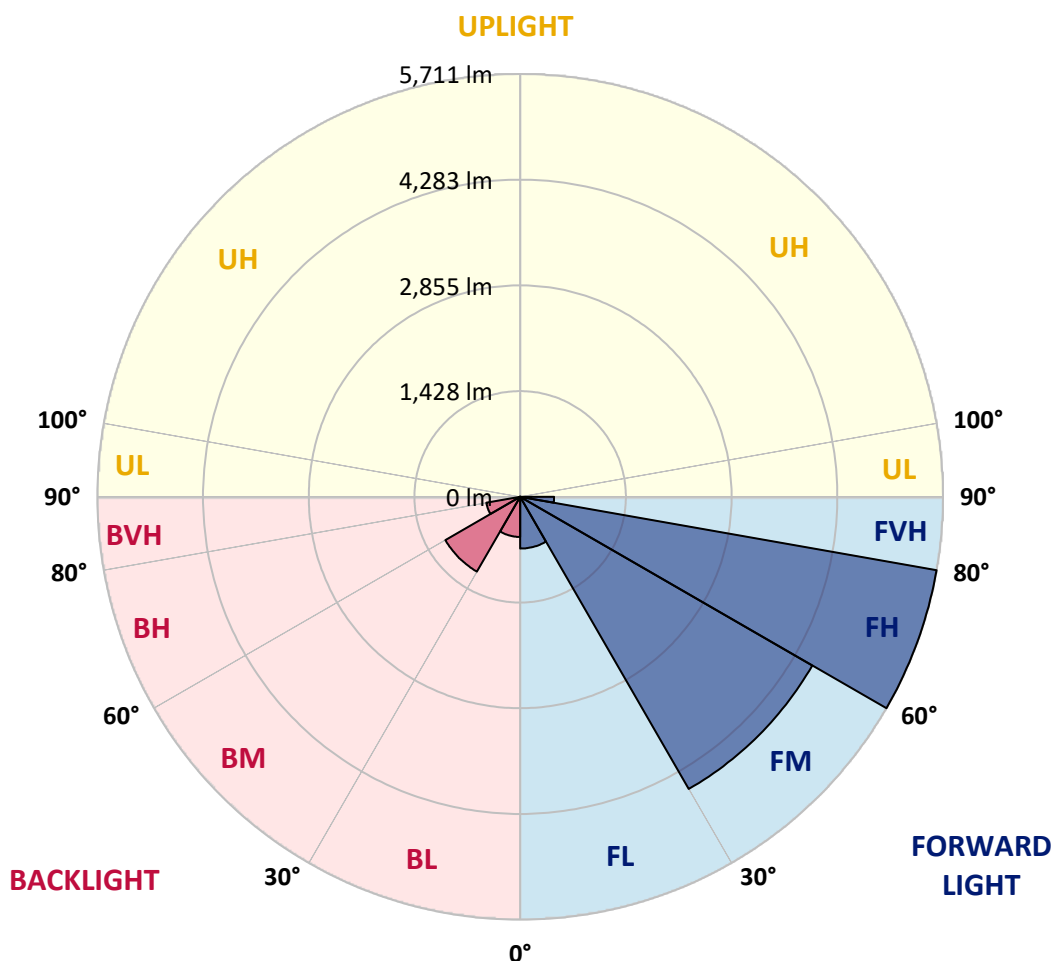
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	698.9	5.1			
FM (30°-60°)	4556.0	33.5			
FH (60°-80°)	5710.9	42.0			G3/7500
FVH (80°-90°)	458.2	3.4			G3/500
BL (0°-30°)	541.8	4.0	B2/1000		
BM (30°-60°)	1166.6	8.6	B2/2500		
BH (60°-80°)	464.0	3.4	B1/500		G1/500
BVH (80°-90°)	11.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0
2.5°	1532.6	1531.6	1521.5	1516.5	1502.3	1497.3	1498.3	1492.2	1478.1	1480.1	1465.9
5°	1534.6	1541.7	1526.6	1522.5	1517.5	1511.4	1518.5	1510.4	1498.3	1502.3	1487.2
7.5°	1543.7	1546.8	1539.7	1535.7	1523.5	1535.7	1534.6	1527.6	1519.5	1512.4	1506.4
10°	1546.8	1543.7	1529.6	1526.6	1526.6	1538.7	1543.7	1546.8	1546.8	1535.7	1531.6
12.5°	1531.6	1529.6	1515.5	1521.5	1534.6	1542.7	1558.9	1569.0	1585.2	1573.0	1567.0
15°	1508.4	1513.4	1519.5	1521.5	1545.8	1563.9	1579.1	1597.3	1624.6	1624.6	1622.5
17.5°	1515.5	1525.6	1532.6	1542.7	1566.0	1572.0	1593.2	1622.5	1668.0	1671.0	1676.1
20°	1550.8	1550.8	1552.8	1559.9	1580.1	1598.3	1616.5	1653.9	1706.4	1723.6	1728.6
22.5°	1589.2	1587.2	1596.3	1595.3	1611.4	1623.6	1646.8	1679.1	1744.8	1777.1	1790.3
25°	1620.5	1626.6	1634.7	1624.6	1655.9	1660.9	1679.1	1718.5	1788.2	1845.8	1874.1
27.5°	1674.1	1678.1	1676.1	1681.1	1712.5	1715.5	1732.7	1789.2	1853.9	1932.7	1994.3
30°	1766.0	1751.9	1753.9	1765.0	1810.5	1816.5	1834.7	1889.3	1940.8	2044.9	2141.8
32.5°	1892.3	1892.3	1870.1	1891.3	1943.8	1960.0	1987.3	2069.1	2119.6	2175.2	2334.8
35°	2133.8	2133.8	2117.6	2062.0	2088.3	2128.7	2179.2	2292.4	2448.0	2629.8	2799.5
37.5°	2533.8	2527.8	2464.1	2364.1	2307.5	2321.7	2371.2	2554.0	2806.6	3250.1	3380.5
40°	3011.7	2994.5	2875.3	2735.9	2591.4	2567.2	2590.4	2819.8	3179.4	3837.1	3886.6
42.5°	3436.0	3435.0	3260.2	3142.0	2957.2	2916.7	2889.5	3088.5	3553.2	4263.5	4280.6
45°	3841.2	3831.1	3661.3	3533.0	3364.3	3261.3	3254.2	3393.6	3946.2	4647.4	4574.6
47.5°	4201.8	4217.0	4027.1	3903.8	3716.9	3646.2	3589.6	3708.8	4307.9	4974.7	4824.2
50°	4617.1	4644.4	4360.5	4225.1	4036.2	3966.4	3997.8	4085.7	4668.6	5242.5	5046.5
52.5°	5141.4	5054.5	4772.7	4540.3	4364.5	4330.2	4337.2	4459.5	5085.9	5461.7	5201.0
55°	5758.7	5630.4	5347.5	4984.8	4697.9	4665.6	4662.5	4786.8	5471.8	5666.8	5320.3
57.5°	5991.1	6057.8	5946.6	5678.9	5171.7	5076.8	5003.0	5118.2	5818.3	5893.1	5445.5
60°	6527.6	6599.3	6517.5	6345.7	6174.0	5843.6	5520.3	5509.2	6141.6	6109.3	5498.1
62.5°	6587.2	6563.9	6927.6	6988.3	7090.3	6962.0	6722.5	6027.5	6433.6	6219.4	5539.5
65°	6253.8	6256.8	6744.8	7078.2	7783.4	7849.0	7700.5	6851.9	6652.8	6262.9	5510.2
67.5°	5380.9	5440.5	5885.0	6684.2	8090.5	8176.4	8051.1	7721.7	6771.0	6278.0	5382.9
70°	4624.2	4626.2	5046.5	6021.4	7928.9	7993.5	7935.9	7778.3	6725.6	6157.8	5037.4
72.5°	3639.1	3628.0	3996.8	4981.8	7358.0	7495.4	7464.1	7572.2	6558.9	5723.4	4285.7
75°	2627.8	2650.0	3023.8	3837.1	6329.5	6755.9	6907.4	7236.8	5964.8	4860.6	3142.0
77.5°	1839.8	1862.0	2220.6	2914.7	5108.1	5622.3	5865.8	6154.8	4834.3	3602.7	1610.4
80°	1203.3	1223.5	1531.6	2189.3	3807.8	4246.3	4429.2	4256.4	2838.9	1513.4	176.8
82.5°	699.1	738.5	972.9	1502.3	2668.2	2876.3	2886.4	2239.8	1060.8	135.4	82.8
85°	340.5	365.7	581.9	891.1	1459.9	1534.6	1423.5	833.5	247.5	64.7	47.5
87.5°	50.5	66.7	229.3	336.4	247.5	203.1	122.2	28.3	16.2	8.1	6.1
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°	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0
2.5°	1457.9	1456.9	1459.9	1446.8	1447.8	1431.6	1425.5	1422.5	1436.6	1434.6	1444.7
5°	1476.1	1465.9	1464.9	1432.6	1429.6	1409.4	1397.2	1379.1	1393.2	1390.2	1390.2
7.5°	1487.2	1477.1	1471.0	1432.6	1406.3	1371.0	1350.8	1336.6	1335.6	1332.6	1333.6
10°	1505.4	1500.3	1468.0	1425.5	1390.2	1344.7	1306.3	1284.1	1274.0	1275.0	1267.9
12.5°	1545.8	1535.7	1492.2	1441.7	1385.1	1322.5	1273.0	1233.6	1213.4	1209.3	1198.2
15°	1603.3	1592.2	1537.7	1480.1	1398.3	1324.5	1250.8	1181.0	1146.7	1132.5	1122.4
17.5°	1671.0	1653.9	1591.2	1525.6	1425.5	1322.5	1229.5	1135.6	1069.9	1032.5	1029.5
20°	1724.6	1716.5	1644.8	1574.1	1442.7	1309.4	1194.2	1069.9	971.9	903.2	889.1
22.5°	1795.3	1796.3	1716.5	1610.4	1456.9	1287.1	1138.6	978.0	844.6	752.7	736.5
25°	1897.3	1882.2	1792.3	1639.7	1459.9	1261.9	1062.8	862.8	689.0	586.0	567.8
27.5°	2019.6	1997.4	1853.9	1654.9	1446.8	1211.4	961.8	712.3	509.2	420.3	406.1
30°	2148.9	2096.4	1904.4	1660.9	1406.3	1129.5	818.3	520.3	360.7	298.0	292.0
32.5°	2314.6	2237.8	1947.9	1640.7	1344.7	1005.3	634.5	356.6	249.5	216.2	218.2
35°	2654.1	2466.1	2015.6	1618.5	1257.8	849.7	443.5	236.4	193.0	188.9	189.9
37.5°	3167.3	2869.3	2134.8	1586.2	1128.5	649.6	284.9	182.9	183.9	183.9	183.9
40°	3663.4	3309.7	2317.6	1522.5	969.9	454.6	187.9	172.8	177.8	176.8	177.8
42.5°	4017.0	3637.1	2509.6	1444.7	787.0	287.9	168.7	162.7	165.7	164.7	167.7
45°	4303.9	3918.0	2684.4	1334.6	589.0	187.9	165.7	154.6	151.5	150.5	153.6
47.5°	4516.1	4102.8	2809.6	1197.2	393.0	161.6	158.6	142.5	138.4	138.4	139.4
50°	4722.2	4280.6	2847.0	1040.6	242.5	157.6	149.5	132.3	126.3	124.3	126.3
52.5°	4865.6	4341.3	2855.1	863.8	162.7	153.6	138.4	120.2	113.2	112.1	113.2
55°	4987.9	4465.5	2789.4	643.6	145.5	144.5	128.3	108.1	100.0	104.1	106.1
57.5°	5018.2	4477.7	2658.1	425.3	144.5	132.3	117.2	97.0	90.9	95.0	96.0
60°	5095.0	4428.2	2494.4	261.7	141.4	118.2	104.1	85.9	81.8	82.8	84.9
62.5°	5029.3	4400.9	2214.6	182.9	130.3	108.1	97.0	78.8	71.7	70.7	70.7
65°	4962.6	4240.2	1693.3	151.5	116.2	101.0	87.9	69.7	61.6	57.6	57.6
67.5°	4750.4	3880.6	966.9	140.4	105.1	92.9	79.8	63.6	53.5	48.5	46.5
70°	4216.0	3108.7	298.0	128.3	106.1	86.9	73.8	55.6	46.5	39.4	38.4
72.5°	3301.7	1943.8	139.4	113.2	109.1	80.8	68.7	51.5	41.4	33.3	32.3
75°	1942.8	465.7	114.2	83.9	92.9	85.9	67.7	49.5	36.4	27.3	26.3
77.5°	422.3	113.2	102.0	56.6	69.7	82.8	64.7	43.4	32.3	21.2	20.2
80°	102.0	88.9	92.9	43.4	46.5	57.6	52.5	37.4	29.3	17.2	16.2
82.5°	68.7	66.7	81.8	27.3	23.2	21.2	22.2	23.2	24.2	13.1	12.1
85°	45.5	57.6	43.4	15.2	13.1	11.1	11.1	10.1	14.1	8.1	8.1
87.5°	7.1	6.1	7.1	6.1	6.1	5.1	4.0	4.0	3.0	4.0	4.0
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)