

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: P509624

Luminaire Tested: **VERD-G-CA2-130-760-U-T4-HSS**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509624
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-CA2-130-760-U-T4-HSS
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1200mA LEDS AND TYPE IV OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16643 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

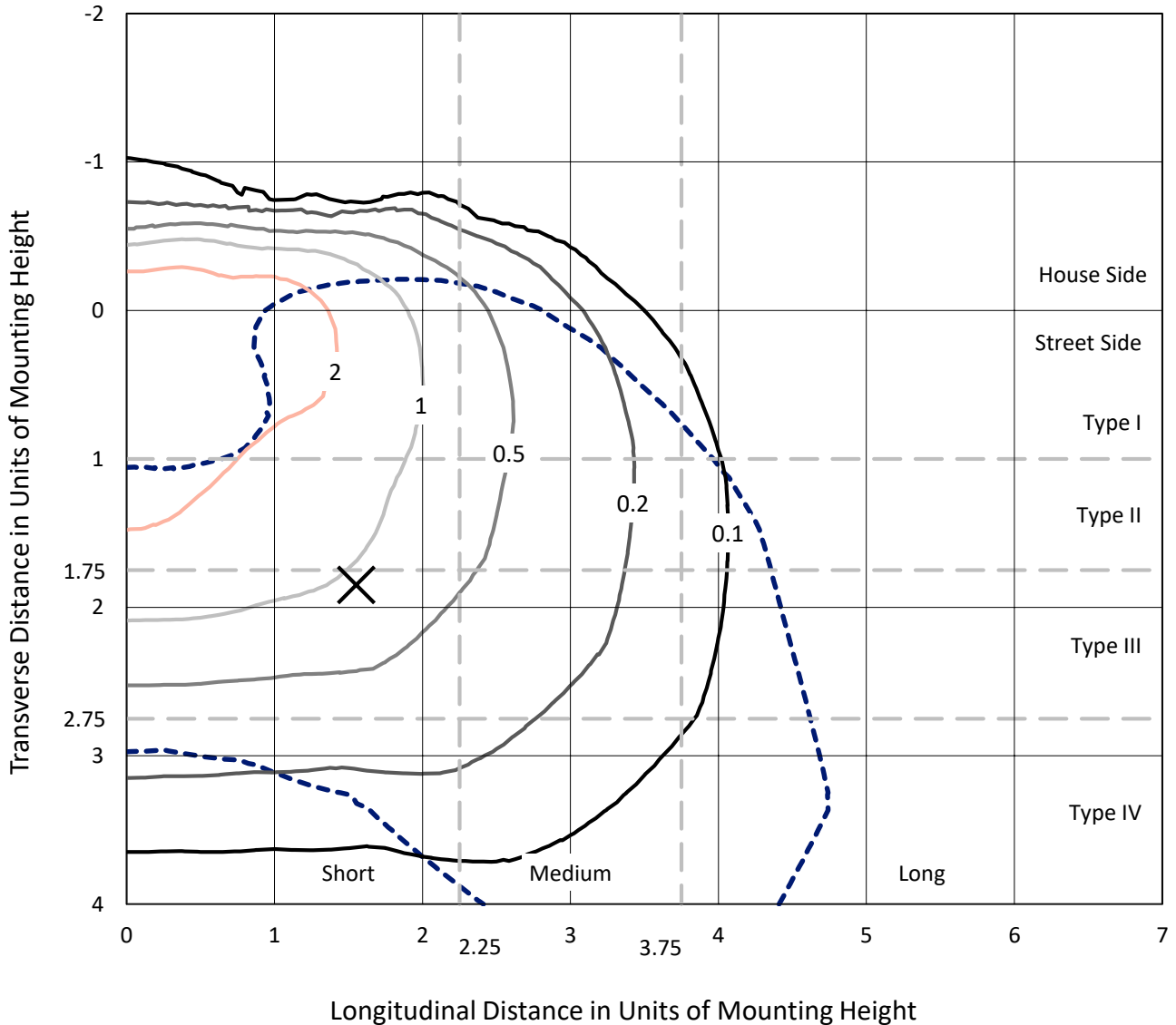
Input Watts (W): 133.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

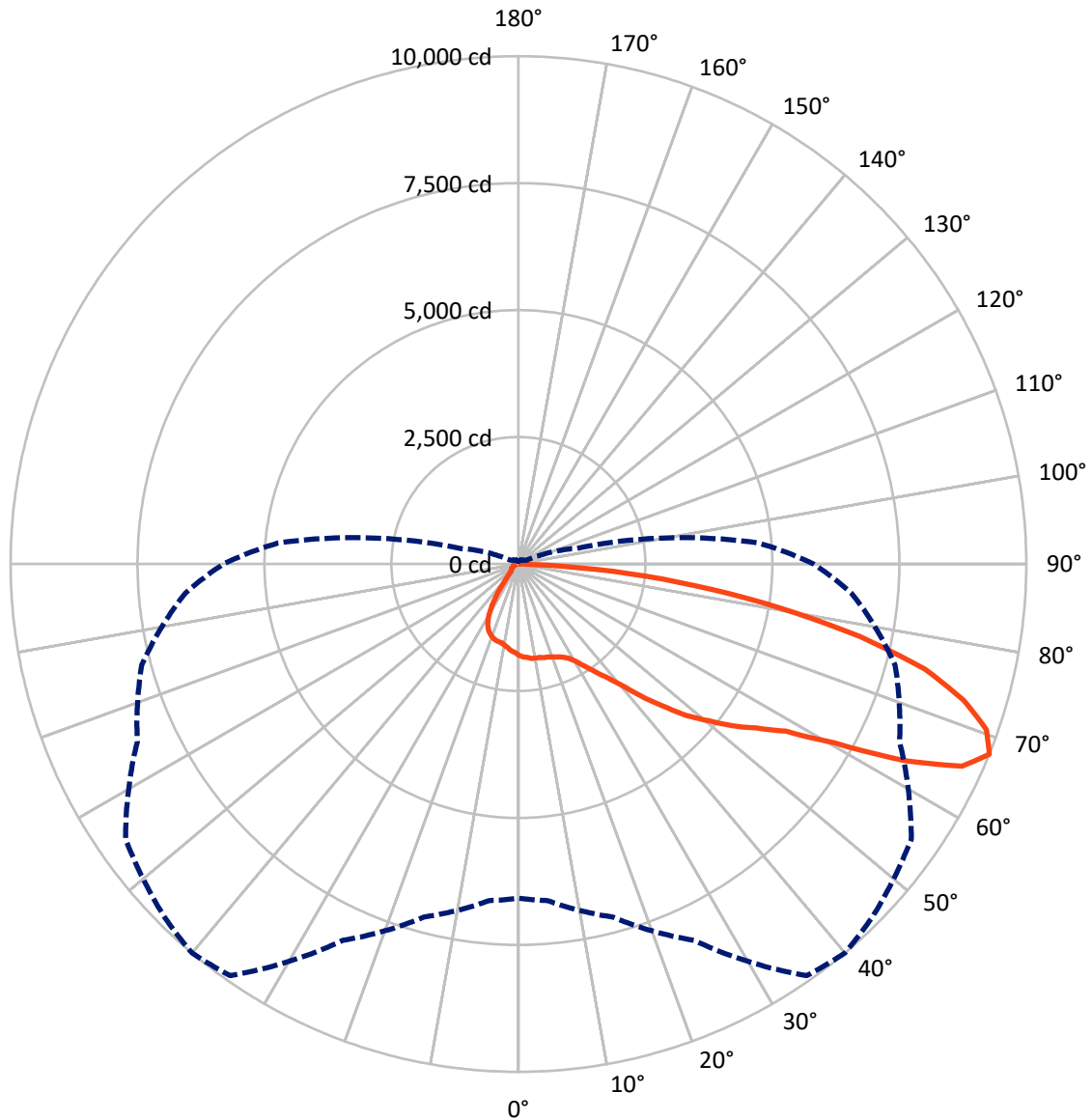
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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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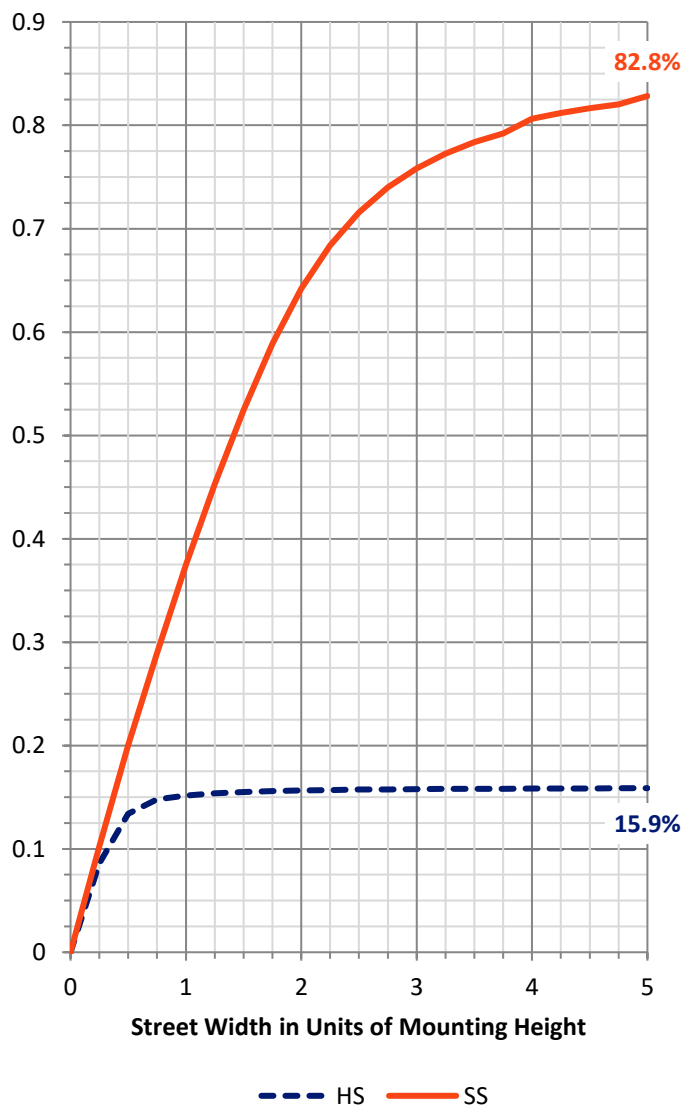
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2670.9	0.0	2670.9
	% Fixture	16.0	0.0	16.0
Street Side	Lumens	13972.1	0.0	13972.1
	% Fixture	84.0	0.0	84.0
Total	Lumens	16643.0	0.0	16643.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.5	1.0
10°-20°	505.7	3.0
20°-30°	841.2	5.1
30°-40°	1322.8	7.9
40°-50°	2290.4	13.8
50°-60°	3385.7	20.3
60°-70°	4401.6	26.4
70°-80°	3150.5	18.9
80°-90°	574.5	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°	16643.0	100.0
0°-180°	16643.0	100.0

Coefficient of Utilization



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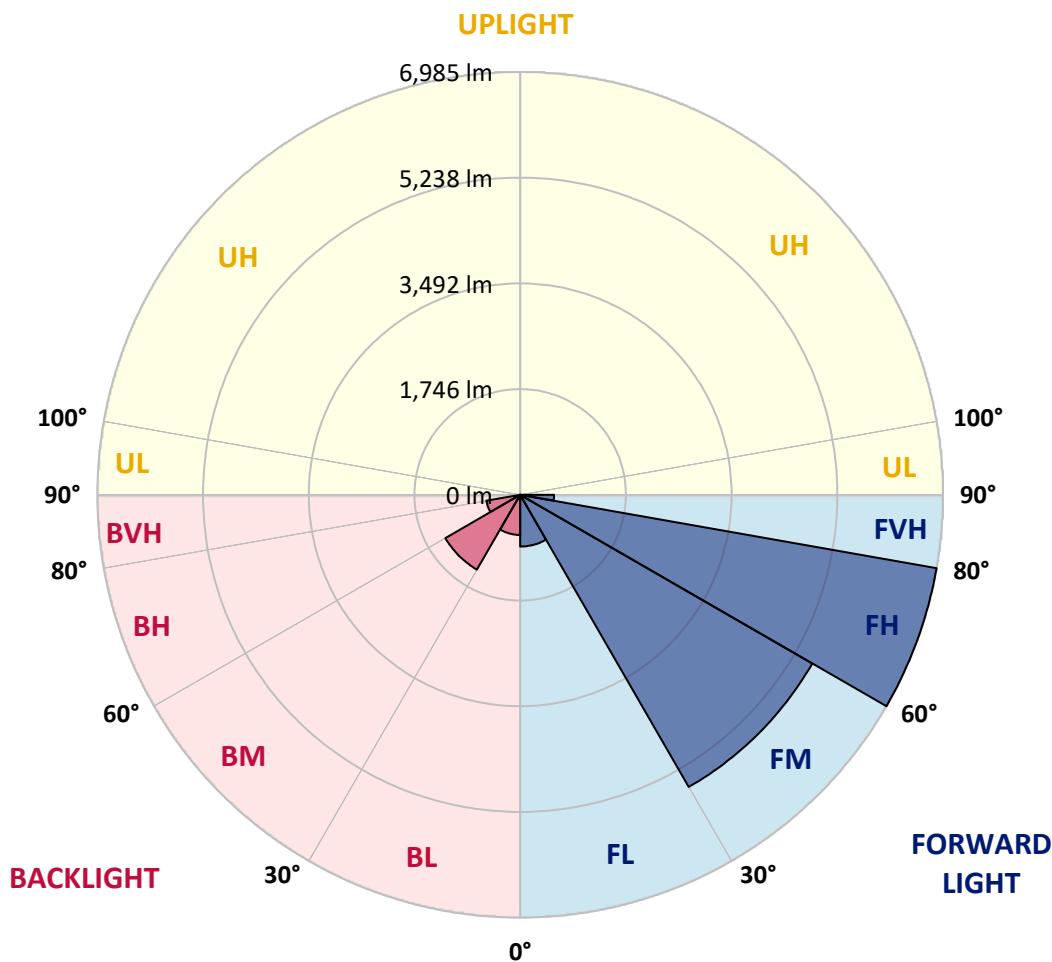
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	854.8	5.1			
FM	(30°-60°)	5572.2	33.5			
FH	(60°-80°)	6984.7	42.0			G3/7500
FVH	(80°-90°)	560.4	3.4			G4/750
BL	(0°-30°)	662.6	4.0	B2/1000		
BM	(30°-60°)	1426.7	8.6	B2/2500		
BH	(60°-80°)	567.5	3.4	B2/1000		G2/1000
BVH	(80°-90°)	14.1	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-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5
2.5°	1874.5	1873.2	1860.9	1854.7	1837.4	1831.2	1832.4	1825.0	1807.7	1810.2	1792.9
5°	1876.9	1885.6	1867.0	1862.1	1855.9	1848.5	1857.2	1847.3	1832.4	1837.4	1818.8
7.5°	1888.0	1891.7	1883.1	1878.2	1863.3	1878.2	1876.9	1868.3	1858.4	1849.7	1842.3
10°	1891.7	1888.0	1870.7	1867.0	1867.0	1881.9	1888.0	1891.7	1891.7	1878.2	1873.2
12.5°	1873.2	1870.7	1853.4	1860.9	1876.9	1886.8	1906.6	1918.9	1938.7	1923.9	1916.5
15°	1844.8	1851.0	1858.4	1860.9	1890.5	1912.8	1931.3	1953.5	1986.9	1986.9	1984.4
17.5°	1853.4	1865.8	1874.5	1886.8	1915.2	1922.6	1948.6	1984.4	2040.0	2043.7	2049.9
20°	1896.7	1896.7	1899.2	1907.8	1932.5	1954.8	1977.0	2022.7	2087.0	2108.0	2114.2
22.5°	1943.6	1941.2	1952.3	1951.1	1970.8	1985.7	2014.1	2053.6	2133.9	2173.5	2189.5
25°	1982.0	1989.4	1999.2	1986.9	2025.2	2031.4	2053.6	2101.8	2187.1	2257.5	2292.1
27.5°	2047.4	2052.4	2049.9	2056.1	2094.4	2098.1	2119.1	2188.3	2267.4	2363.8	2439.1
30°	2159.9	2142.6	2145.1	2158.6	2214.2	2221.7	2243.9	2310.6	2373.6	2500.9	2619.5
32.5°	2314.3	2314.3	2287.2	2313.1	2377.4	2397.1	2430.5	2530.6	2592.4	2660.3	2855.5
35°	2609.7	2609.7	2589.9	2521.9	2554.0	2603.5	2665.3	2803.6	2993.9	3216.3	3423.9
37.5°	3099.0	3091.5	3013.7	2891.4	2822.2	2839.5	2900.0	3123.7	3432.6	3975.0	4134.4
40°	3683.4	3662.4	3516.6	3346.1	3169.4	3139.7	3168.2	3448.6	3888.5	4692.9	4753.5
42.5°	4202.4	4201.1	3987.4	3842.8	3616.7	3567.3	3533.9	3777.3	4345.7	5214.4	5235.4
45°	4697.9	4685.5	4477.9	4321.0	4114.6	3988.6	3980.0	4150.5	4826.4	5683.9	5594.9
47.5°	5139.0	5157.5	4925.2	4774.5	4545.9	4459.4	4390.2	4536.0	5268.7	6084.2	5900.1
50°	5646.8	5680.2	5333.0	5167.4	4936.3	4851.1	4889.4	4996.9	5709.8	6411.7	6172.0
52.5°	6288.1	6181.9	5837.1	5552.9	5337.9	5295.9	5304.6	5454.1	6220.2	6679.8	6361.0
55°	7043.1	6886.2	6540.2	6096.6	5745.7	5706.1	5702.4	5854.4	6692.2	6930.7	6506.8
57.5°	7327.3	7408.8	7272.9	6945.5	6325.2	6209.0	6118.8	6259.7	7116.0	7207.4	6660.0
60°	7983.4	8071.1	7971.1	7761.0	7550.9	7146.9	6751.5	6737.9	7511.4	7471.9	6724.3
62.5°	8056.3	8027.9	8472.7	8546.9	8671.7	8514.7	8221.9	7371.8	7868.5	7606.5	6775.0
65°	7648.6	7652.3	8249.1	8656.8	9519.3	9599.6	9418.0	8380.0	8136.6	7659.7	6739.1
67.5°	6581.0	6653.9	7197.5	8174.9	9894.9	10000.0	9846.7	9443.9	8281.2	7678.2	6583.4
70°	5655.5	5658.0	6172.0	7364.4	9697.2	9776.3	9705.9	9513.1	8225.6	7531.2	6160.9
72.5°	4450.7	4437.1	4888.2	6092.9	8999.1	9167.1	9128.8	9261.0	8021.7	6999.8	5241.5
75°	3213.9	3241.1	3698.2	4692.9	7741.2	8262.7	8448.0	8850.8	7295.2	5944.6	3842.8
77.5°	2250.1	2277.3	2715.9	3564.8	6247.3	6876.3	7174.1	7527.5	5912.5	4406.3	1969.6
80°	1471.6	1496.3	1873.2	2677.6	4657.1	5193.4	5417.0	5205.7	3472.1	1851.0	216.2
82.5°	855.1	903.2	1189.9	1837.4	3263.3	3517.8	3530.2	2739.4	1297.4	165.6	101.3
85°	416.4	447.3	711.7	1089.8	1785.5	1876.9	1741.0	1019.4	302.7	79.1	58.1
87.5°	61.8	81.6	280.5	411.5	302.7	248.4	149.5	34.6	19.8	9.9	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5	1801.5
2.5°	1783.0	1781.8	1785.5	1769.4	1770.7	1750.9	1743.5	1739.8	1757.1	1754.6	1767.0
5°	1805.3	1792.9	1791.7	1752.1	1748.4	1723.7	1708.9	1686.6	1703.9	1700.2	1700.2
7.5°	1818.8	1806.5	1799.1	1752.1	1720.0	1676.8	1652.0	1634.7	1633.5	1629.8	1631.0
10°	1841.1	1834.9	1795.4	1743.5	1700.2	1644.6	1597.7	1570.5	1558.1	1559.4	1550.7
12.5°	1890.5	1878.2	1825.0	1763.2	1694.0	1617.4	1556.9	1508.7	1484.0	1479.0	1465.5
15°	1960.9	1947.4	1880.6	1810.2	1710.1	1619.9	1529.7	1444.5	1402.4	1385.1	1372.8
17.5°	2043.7	2022.7	1946.1	1865.8	1743.5	1617.4	1503.8	1388.8	1308.5	1262.8	1259.1
20°	2109.2	2099.3	2011.6	1925.1	1764.5	1601.4	1460.5	1308.5	1188.7	1104.7	1087.4
22.5°	2195.7	2197.0	2099.3	1969.6	1781.8	1574.2	1392.6	1196.1	1033.0	920.5	900.8
25°	2320.5	2302.0	2192.0	2005.4	1785.5	1543.3	1299.9	1055.2	842.7	716.7	694.4
27.5°	2470.0	2442.8	2267.4	2024.0	1769.4	1481.5	1176.3	871.1	622.8	514.0	496.7
30°	2628.2	2563.9	2329.2	2031.4	1720.0	1381.4	1000.9	636.3	441.1	364.5	357.1
32.5°	2830.8	2736.9	2382.3	2006.7	1644.6	1229.5	776.0	436.2	305.2	264.4	266.9
35°	3246.0	3016.2	2465.1	1979.5	1538.4	1039.2	542.4	289.1	236.0	231.1	232.3
37.5°	3873.7	3509.2	2610.9	1939.9	1380.2	794.5	348.4	223.6	224.9	224.9	224.9
40°	4480.4	4047.9	2834.5	1862.1	1186.2	556.0	229.8	211.3	217.5	216.2	217.5
42.5°	4912.9	4448.3	3069.3	1767.0	962.6	352.2	206.4	198.9	202.6	201.4	205.1
45°	5263.8	4791.8	3283.1	1632.3	720.4	229.8	202.6	189.1	185.3	184.1	187.8
47.5°	5523.3	5017.9	3436.3	1464.2	480.7	197.7	194.0	174.2	169.3	169.3	170.5
50°	5775.3	5235.4	3482.0	1272.7	296.6	192.8	182.9	161.9	154.5	152.0	154.5
52.5°	5950.8	5309.5	3491.9	1056.5	198.9	187.8	169.3	147.0	138.4	137.2	138.4
55°	6100.3	5461.5	3411.6	787.1	177.9	176.7	156.9	132.2	122.3	127.3	129.7
57.5°	6137.4	5476.3	3250.9	520.2	176.7	161.9	143.3	118.6	111.2	116.1	117.4
60°	6231.3	5415.8	3050.8	320.0	173.0	144.6	127.3	105.0	100.1	101.3	103.8
62.5°	6151.0	5382.4	2708.5	223.6	159.4	132.2	118.6	96.4	87.7	86.5	86.5
65°	6069.4	5185.9	2070.9	185.3	142.1	123.6	107.5	85.3	75.4	70.4	70.4
67.5°	5809.9	4746.1	1182.5	171.8	128.5	113.7	97.6	77.8	65.5	59.3	56.8
70°	5156.3	3802.0	364.5	156.9	129.7	106.3	90.2	68.0	56.8	48.2	47.0
72.5°	4038.0	2377.4	170.5	138.4	133.4	98.9	84.0	63.0	50.7	40.8	39.5
75°	2376.1	569.6	139.6	102.6	113.7	105.0	82.8	60.5	44.5	33.4	32.1
77.5°	516.5	138.4	124.8	69.2	85.3	101.3	79.1	53.1	39.5	25.9	24.7
80°	124.8	108.7	113.7	53.1	56.8	70.4	64.3	45.7	35.8	21.0	19.8
82.5°	84.0	81.6	100.1	33.4	28.4	25.9	27.2	28.4	29.7	16.1	14.8
85°	55.6	70.4	53.1	18.5	16.1	13.6	13.6	12.4	17.3	9.9	9.9
87.5°	8.6	7.4	8.6	7.4	7.4	6.2	4.9	4.9	3.7	4.9	4.9
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)