

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: P553540

Luminaire Tested: **VERD-G-CA2-140-760-U-T4-HSS**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553540
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-140-760-U-T4-HSS
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1290mA LEDS AND TYPE IV OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18219 lumens
Efficiency: N/A
Efficacy: 127.9 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

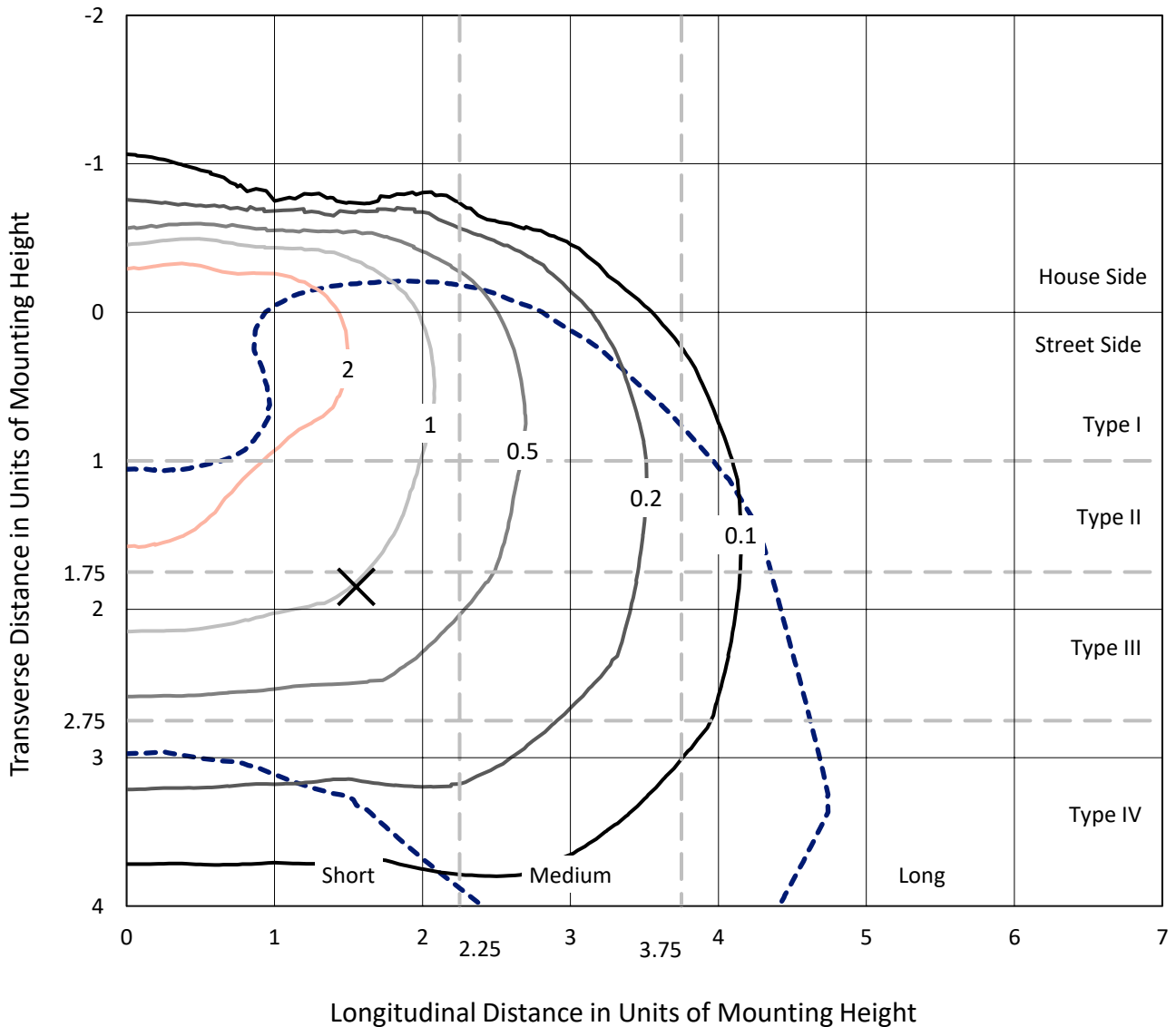
Input Watts (W): 142.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P553540
 CATALOG NUMBER: VERD-G-CA2-140-760-U-T4-HSS

Iso-Footcandle Lines of Horizontal Illumination

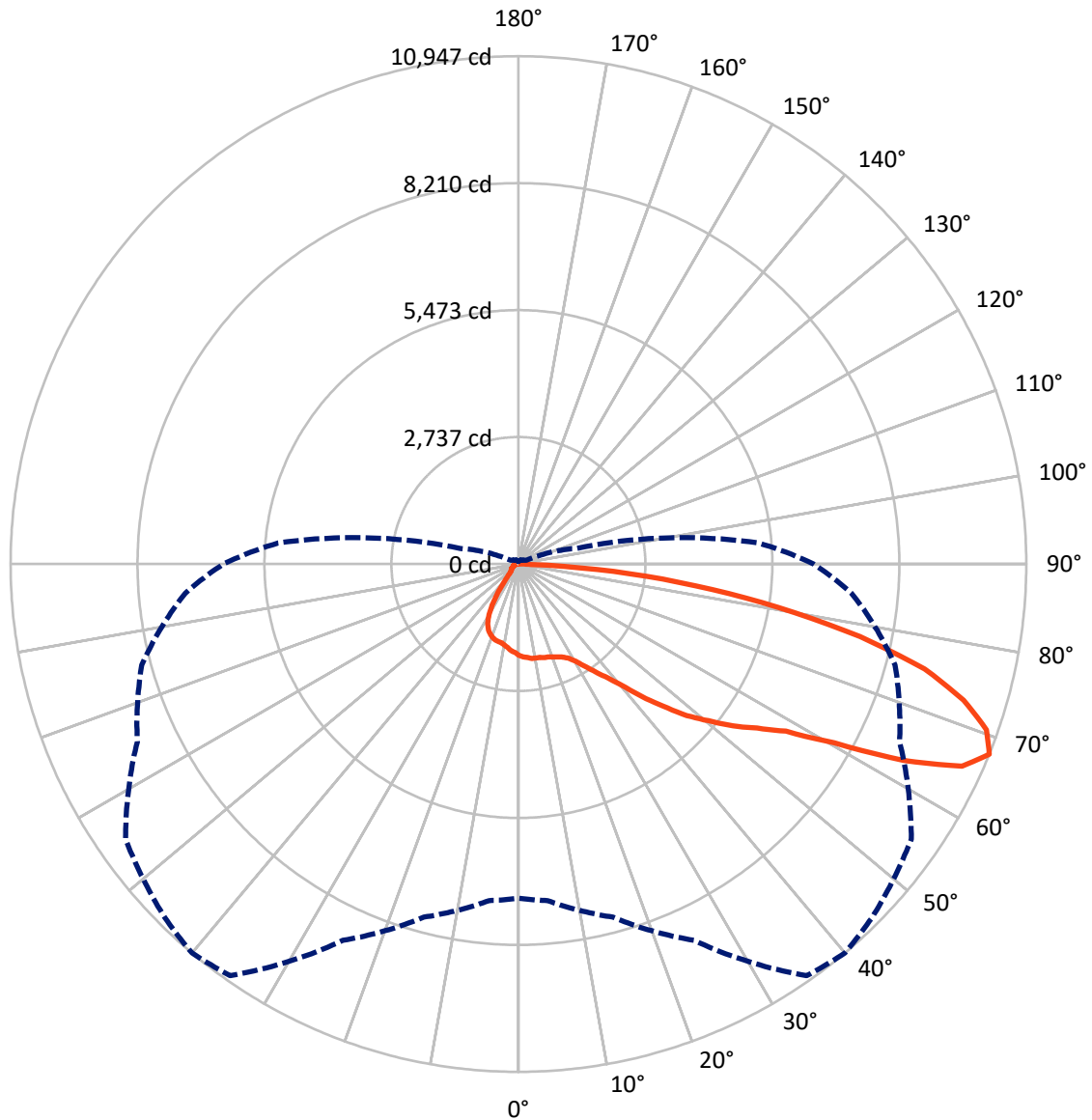
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P553540
CATALOG NUMBER: VERD-G-CA2-140-760-U-T4-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P553540

CATALOG NUMBER: VERD-G-CA2-140-760-U-T4-HSS

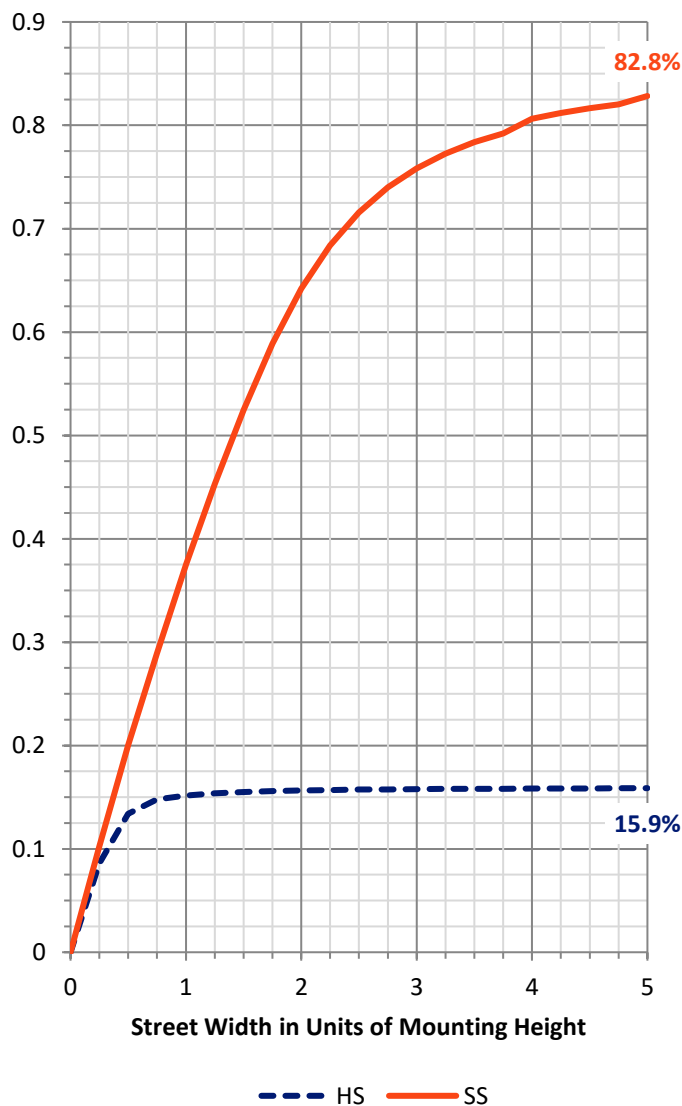
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2923.9	0.0	2923.9
	% Fixture	16.0	0.0	16.0
Street Side	Lumens	15295.2	0.0	15295.2
	% Fixture	84.0	0.0	84.0
Total	Lumens	18219.0	0.0	18219.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.6	1.0
10°-20°	553.6	3.0
20°-30°	920.9	5.1
30°-40°	1448.1	7.9
40°-50°	2507.3	13.8
50°-60°	3706.3	20.3
60°-70°	4818.4	26.4
70°-80°	3448.9	18.9
80°-90°	628.9	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°	18219.0	100.0
0°-180°	18219.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553540

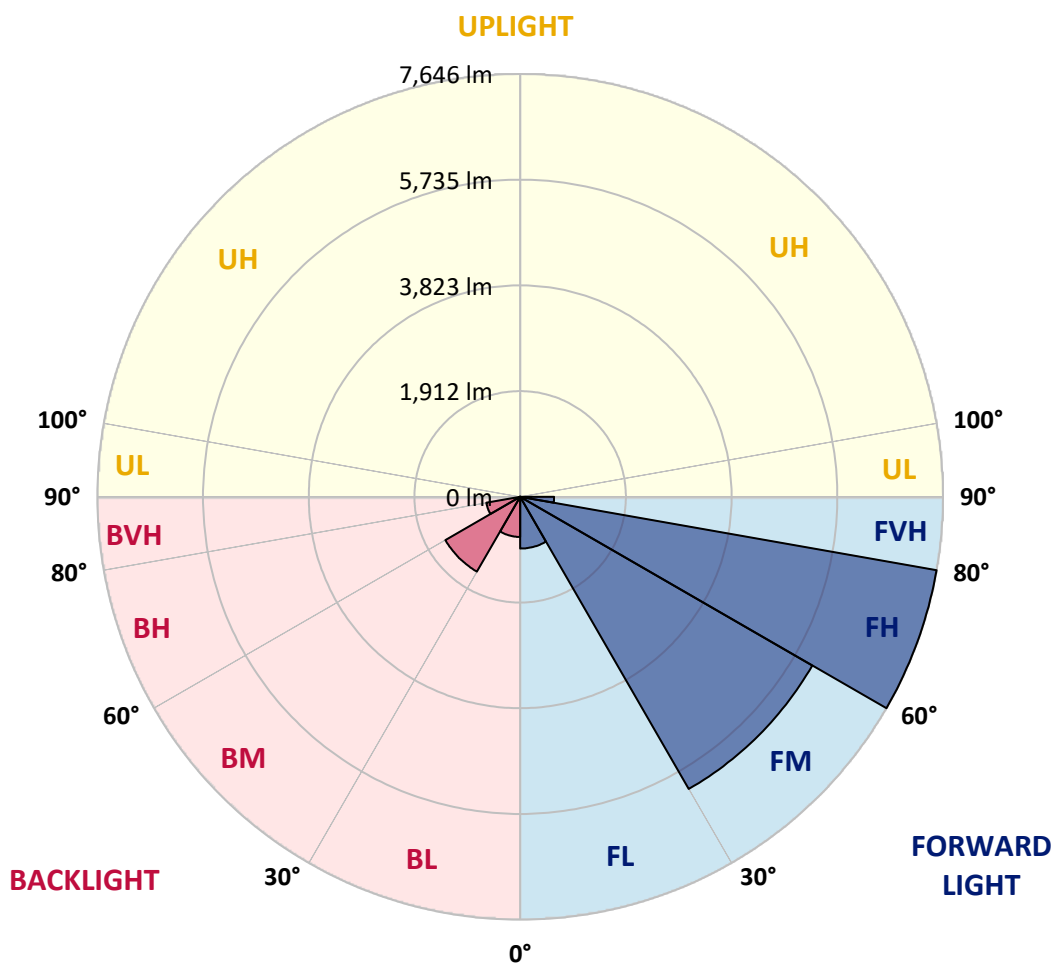
CATALOG NUMBER: VERD-G-CA2-140-760-U-T4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	935.8	5.1			
FM (30°-60°)	6099.8	33.5			
FH (60°-80°)	7646.1	42.0			G4/12000
FVH (80°-90°)	613.5	3.4			G4/750
BL (0°-30°)	725.3	4.0	B2/1000		
BM (30°-60°)	1561.9	8.6	B2/2500		
BH (60°-80°)	621.2	3.4	B2/1000		G2/1000
BVH (80°-90°)	15.5	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-G4

Type IV Short





REPORT NUMBER: P553540

CATALOG NUMBER: VERD-G-CA2-140-760-U-T4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1972.1	1972.1	1972.1	1972.1	1972.1	1972.1	1972.1	1972.1	1972.1	1972.1	1972.1
2.5°	2052.0	2050.6	2037.1	2030.3	2011.4	2004.6	2006.0	1997.8	1978.9	1981.6	1962.7
5°	2054.7	2064.1	2043.8	2038.4	2031.7	2023.5	2033.0	2022.2	2006.0	2011.4	1991.1
7.5°	2066.8	2070.9	2061.4	2056.0	2039.8	2056.0	2054.7	2045.2	2034.4	2024.9	2016.8
10°	2070.9	2066.8	2047.9	2043.8	2043.8	2060.1	2066.8	2070.9	2070.9	2056.0	2050.6
12.5°	2050.6	2047.9	2029.0	2037.1	2054.7	2065.5	2087.1	2100.6	2122.3	2106.1	2097.9
15°	2019.5	2026.3	2034.4	2037.1	2069.5	2093.9	2114.2	2138.5	2175.0	2175.0	2172.3
17.5°	2029.0	2042.5	2052.0	2065.5	2096.6	2104.7	2133.1	2172.3	2233.2	2237.3	2244.0
20°	2076.3	2076.3	2079.0	2088.5	2115.5	2139.9	2164.2	2214.3	2284.6	2307.6	2314.4
22.5°	2127.7	2125.0	2137.2	2135.8	2157.5	2173.7	2204.8	2248.1	2336.0	2379.3	2396.9
25°	2169.6	2177.7	2188.6	2175.0	2217.0	2223.7	2248.1	2300.8	2394.2	2471.3	2509.1
27.5°	2241.3	2246.7	2244.0	2250.8	2292.7	2296.8	2319.8	2395.5	2482.1	2587.6	2670.1
30°	2364.4	2345.5	2348.2	2363.1	2423.9	2432.0	2456.4	2529.4	2598.4	2737.7	2867.6
32.5°	2533.5	2533.5	2503.7	2532.1	2602.5	2624.1	2660.6	2770.2	2837.8	2912.2	3125.9
35°	2856.8	2856.8	2835.1	2760.7	2795.9	2850.0	2917.6	3069.1	3277.4	3520.9	3748.2
37.5°	3392.4	3384.3	3299.1	3165.2	3089.4	3108.4	3174.6	3419.5	3757.6	4351.4	4525.9
40°	4032.2	4009.2	3849.6	3662.9	3469.5	3437.1	3468.2	3775.2	4256.8	5137.3	5203.6
42.5°	4600.3	4599.0	4365.0	4206.7	3959.2	3905.1	3868.5	4135.0	4757.2	5708.1	5731.1
45°	5142.7	5129.2	4902.0	4730.2	4504.3	4366.3	4356.8	4543.5	5283.4	6222.1	6124.7
47.5°	5625.6	5645.9	5391.6	5226.6	4976.4	4881.7	4805.9	4965.5	5767.6	6660.4	6458.8
50°	6181.6	6218.1	5838.0	5656.7	5403.8	5310.5	5352.4	5470.1	6250.5	7018.8	6756.4
52.5°	6883.6	6767.2	6389.9	6078.8	5843.4	5797.4	5806.9	5970.5	6809.2	7312.4	6963.4
55°	7710.0	7538.2	7159.5	6673.9	6289.8	6246.5	6242.4	6408.8	7325.9	7586.9	7123.0
57.5°	8021.1	8110.4	7961.6	7603.2	6924.2	6797.0	6698.3	6852.5	7789.8	7889.9	7290.7
60°	8739.4	8835.4	8725.9	8495.9	8266.0	7823.7	7390.8	7375.9	8222.7	8179.4	7361.1
62.5°	8819.2	8788.1	9275.0	9356.2	9492.8	9321.0	9000.5	8069.8	8613.6	8326.8	7416.5
65°	8372.8	8376.9	9030.2	9476.6	10420.7	10508.6	10309.8	9173.6	8907.1	8385.0	7377.3
67.5°	7204.1	7284.0	7879.1	8949.1	10831.9	10946.9	10779.2	10338.2	9065.4	8405.3	7206.9
70°	6191.0	6193.7	6756.4	8061.7	10615.5	10702.1	10625.0	10414.0	9004.5	8244.3	6744.3
72.5°	4872.2	4857.3	5351.0	6669.9	9851.3	10035.2	9993.3	10138.0	8781.3	7662.7	5737.9
75°	3518.2	3548.0	4048.4	5137.3	8474.3	9045.1	9248.0	9688.9	7986.0	6507.5	4206.7
77.5°	2463.2	2492.9	2973.1	3902.4	6838.9	7527.4	7853.4	8240.3	6472.4	4823.5	2156.1
80°	1611.0	1638.0	2050.6	2931.2	5098.1	5685.1	5930.0	5698.7	3800.9	2026.3	236.7
82.5°	936.0	988.8	1302.6	2011.4	3572.3	3851.0	3864.5	2998.8	1420.3	181.3	110.9
85°	455.8	489.7	779.1	1193.0	1954.6	2054.7	1905.9	1115.9	331.4	86.6	63.6
87.5°	67.6	89.3	307.0	450.4	331.4	271.9	163.7	37.9	21.6	10.8	8.1
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: P553540

CATALOG NUMBER: VERD-G-CA2-140-760-U-T4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1972.1	1972.1	1972.1	1972.1	1972.1	1972.1	1972.1	1972.1	1972.1	1972.1	1972.1
2.5°	1951.9	1950.5	1954.6	1937.0	1938.3	1916.7	1908.6	1904.5	1923.5	1920.7	1934.3
5°	1976.2	1962.7	1961.3	1918.0	1914.0	1886.9	1870.7	1846.4	1865.3	1861.2	1861.2
7.5°	1991.1	1977.6	1969.4	1918.0	1882.9	1835.5	1808.5	1789.5	1788.2	1784.1	1785.5
10°	2015.4	2008.7	1965.4	1908.6	1861.2	1800.4	1749.0	1719.2	1705.7	1707.0	1697.6
12.5°	2069.5	2056.0	1997.8	1930.2	1854.5	1770.6	1704.3	1651.6	1624.5	1619.1	1604.2
15°	2146.6	2131.8	2058.7	1981.6	1872.1	1773.3	1674.6	1581.2	1535.2	1516.3	1502.8
17.5°	2237.3	2214.3	2130.4	2042.5	1908.6	1770.6	1646.2	1520.4	1432.4	1382.4	1378.3
20°	2309.0	2298.1	2202.1	2107.4	1931.6	1753.0	1598.8	1432.4	1301.2	1209.3	1190.3
22.5°	2403.6	2405.0	2298.1	2156.1	1950.5	1723.3	1524.4	1309.4	1130.8	1007.7	986.1
25°	2540.3	2520.0	2399.6	2195.3	1954.6	1689.4	1423.0	1155.2	922.5	784.5	760.2
27.5°	2703.9	2674.2	2482.1	2215.6	1937.0	1621.8	1287.7	953.6	681.7	562.7	543.8
30°	2877.1	2806.7	2549.7	2223.7	1882.9	1512.2	1095.6	696.6	482.9	399.0	390.9
32.5°	3098.9	2996.1	2607.9	2196.7	1800.4	1345.9	849.5	477.5	334.1	289.5	292.2
35°	3553.4	3301.8	2698.5	2166.9	1684.0	1137.6	593.8	316.5	258.4	252.9	254.3
37.5°	4240.5	3841.5	2858.1	2123.6	1510.9	869.7	381.4	244.8	246.2	246.2	246.2
40°	4904.7	4431.2	3103.0	2038.4	1298.5	608.7	251.6	231.3	238.1	236.7	238.1
42.5°	5378.1	4869.5	3360.0	1934.3	1053.7	385.5	225.9	217.8	221.8	220.5	224.5
45°	5762.2	5245.5	3594.0	1786.8	788.6	251.6	221.8	207.0	202.9	201.5	205.6
47.5°	6046.3	5493.1	3761.7	1602.9	526.2	216.4	212.4	190.7	185.3	185.3	186.7
50°	6322.2	5731.1	3811.7	1393.2	324.6	211.0	200.2	177.2	169.1	166.4	169.1
52.5°	6514.3	5812.3	3822.6	1156.5	217.8	205.6	185.3	161.0	151.5	150.1	151.5
55°	6678.0	5978.7	3734.6	861.6	194.8	193.4	171.8	144.7	133.9	139.3	142.0
57.5°	6718.6	5994.9	3558.8	569.5	193.4	177.2	156.9	129.9	121.7	127.1	128.5
60°	6821.4	5928.6	3339.7	350.3	189.4	158.3	139.3	115.0	109.6	110.9	113.6
62.5°	6733.4	5892.1	2965.0	244.8	174.5	144.7	129.9	105.5	96.0	94.7	94.7
65°	6644.2	5677.0	2267.0	202.9	155.6	135.3	117.7	93.3	82.5	77.1	77.1
67.5°	6360.1	5195.5	1294.5	188.0	140.7	124.4	106.9	85.2	71.7	64.9	62.2
70°	5644.6	4162.1	399.0	171.8	142.0	116.3	98.7	74.4	62.2	52.8	51.4
72.5°	4420.4	2602.5	186.7	151.5	146.1	108.2	92.0	69.0	55.5	44.6	43.3
75°	2601.1	623.6	152.8	112.3	124.4	115.0	90.6	66.3	48.7	36.5	35.2
77.5°	565.4	151.5	136.6	75.7	93.3	110.9	86.6	58.2	43.3	28.4	27.1
80°	136.6	119.0	124.4	58.2	62.2	77.1	70.3	50.0	39.2	23.0	21.6
82.5°	92.0	89.3	109.6	36.5	31.1	28.4	29.8	31.1	32.5	17.6	16.2
85°	60.9	77.1	58.2	20.3	17.6	14.9	14.9	13.5	18.9	10.8	10.8
87.5°	9.5	8.1	9.5	8.1	8.1	6.8	5.4	5.4	4.1	5.4	5.4
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)