

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: P553549

Luminaire Tested: **VERD-G-CA2-150-722-U-T4**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-150-722-U-T4
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1380mA LEDS AND TYPE IV OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17554 lumens
Efficiency: N/A
Efficacy: 115.3 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

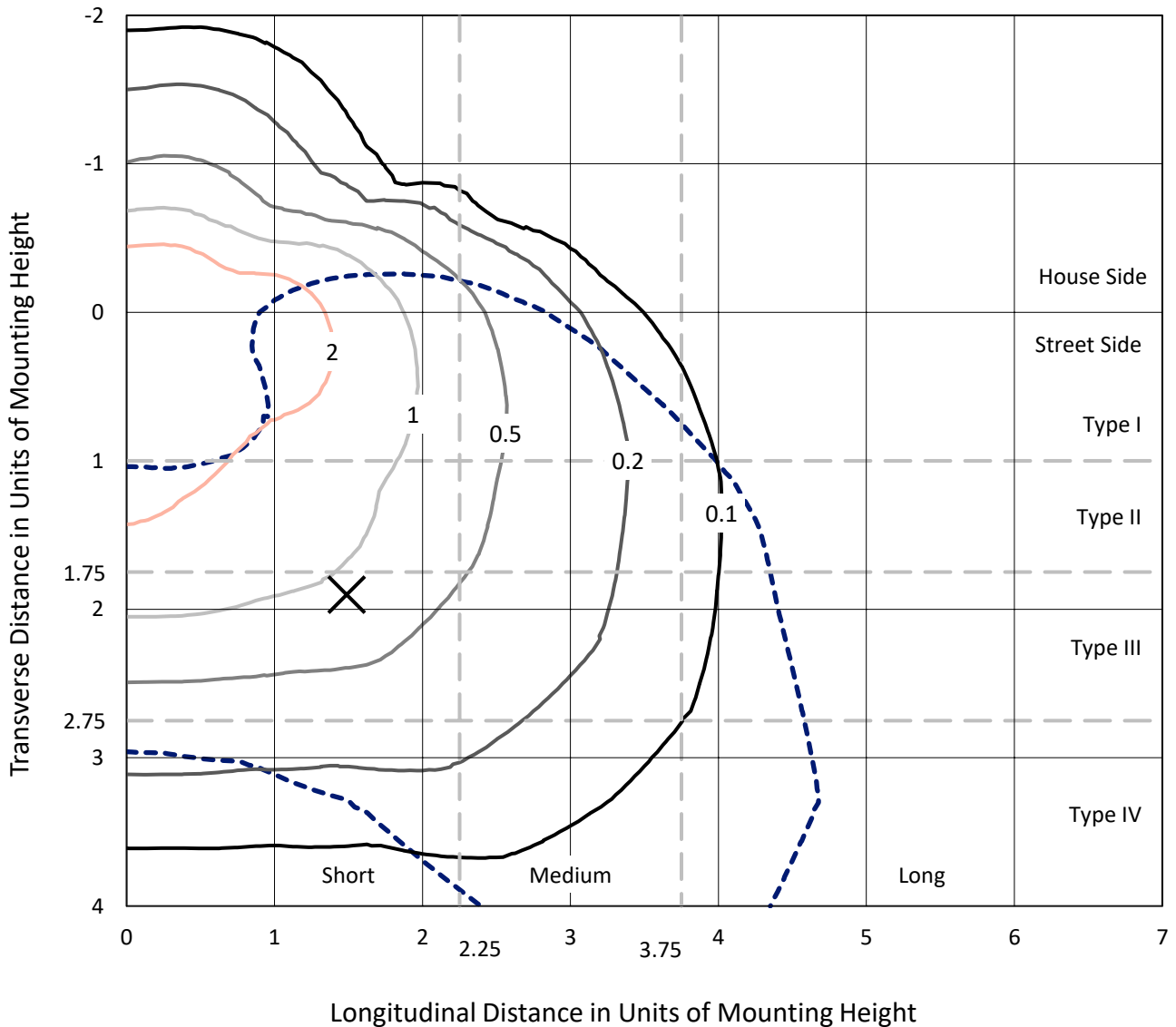
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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 CATALOG NUMBER: VERD-G-CA2-150-722-U-T4

Iso-Footcandle Lines of Horizontal Illumination

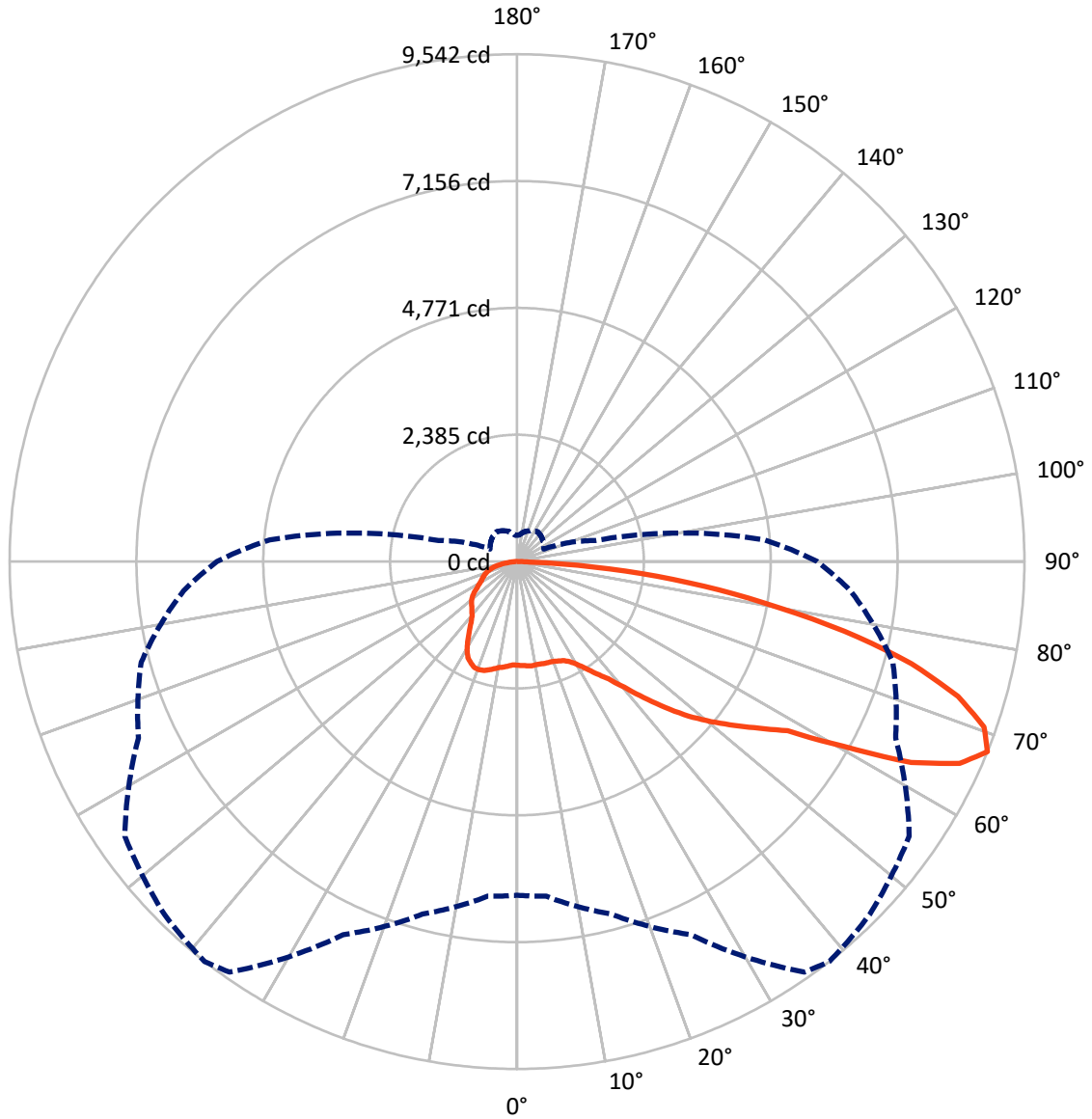
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P553549
CATALOG NUMBER: VERD-G-CA2-150-722-U-T4

Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P553549

CATALOG NUMBER: VERD-G-CA2-150-722-U-T4

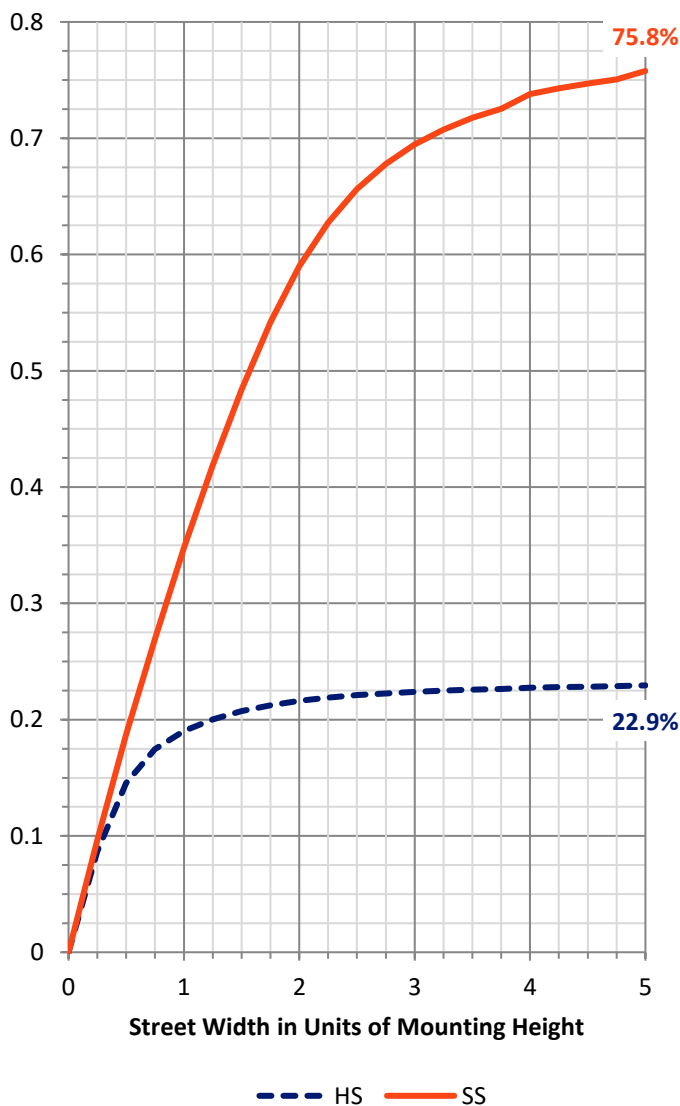
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4073.0	0.0	4073.0
	% Fixture	23.2	0.0	23.2
Street Side	Lumens	13481.0	0.0	13481.0
	% Fixture	76.8	0.0	76.8
Total	Lumens	17554.0	0.0	17554.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.2	1.1
10°-20°	583.5	3.3
20°-30°	989.1	5.6
30°-40°	1515.7	8.6
40°-50°	2497.5	14.2
50°-60°	3569.6	20.3
60°-70°	4446.8	25.3
70°-80°	3168.9	18.1
80°-90°	593.6	3.4
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°	17554.0	100.0
0°-180°	17554.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553549

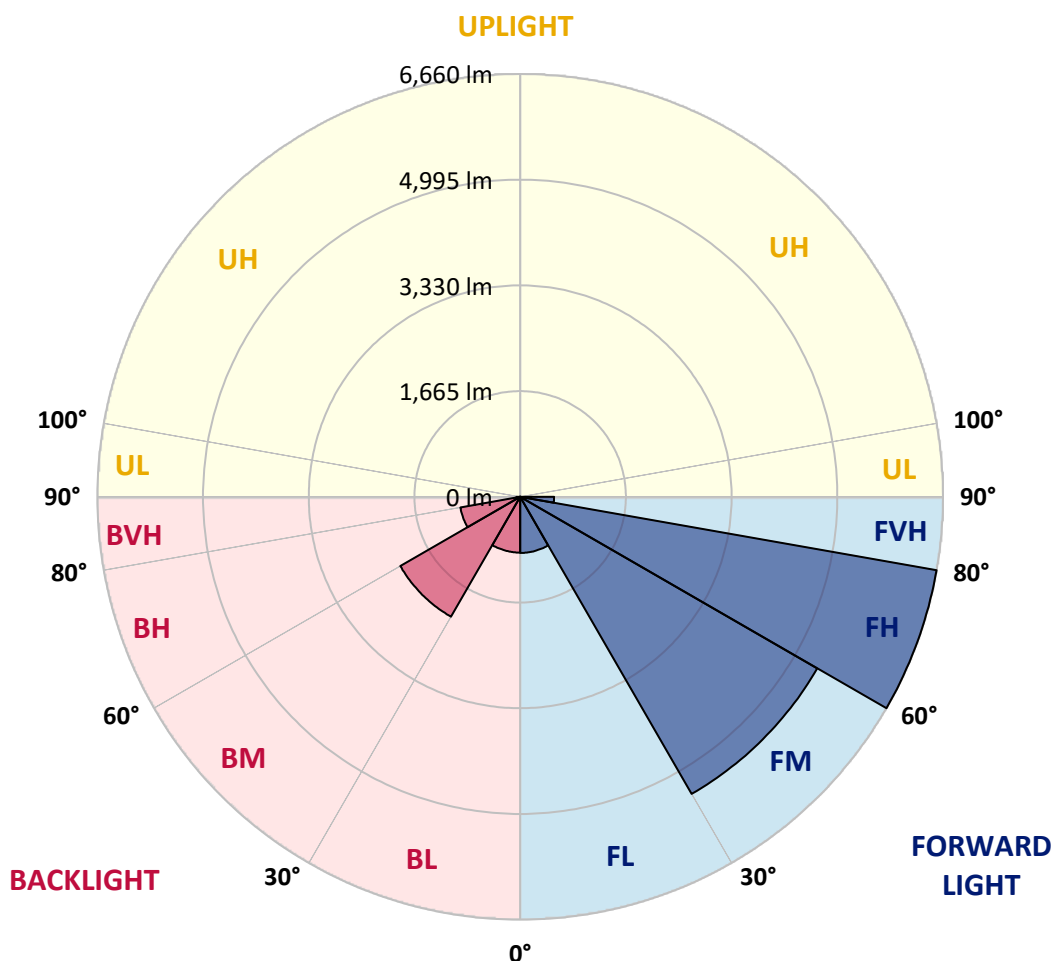
CATALOG NUMBER: VERD-G-CA2-150-722-U-T4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	883.6	5.0			
FM	(30°-60°)	5402.7	30.8			
FH	(60°-80°)	6659.6	37.9			G3/7500
FVH	(80°-90°)	535.1	3.0			G4/750
BL	(0°-30°)	878.3	5.0	B2/1000		
BM	(30°-60°)	2180.2	12.4	B2/2500		
BH	(60°-80°)	956.1	5.4	B2/1000		G2/1000
BVH	(80°-90°)	58.5	0.3			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: P553549
 CATALOG NUMBER: VERD-G-CA2-150-722-U-T4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1950.3	1950.3	1950.3	1950.3	1950.3	1950.3	1950.3	1950.3	1950.3	1950.3	1950.3
2.5°	1986.4	1994.6	1979.4	1977.1	1967.8	1956.1	1958.5	1949.1	1937.5	1942.1	1944.5
5°	1998.1	1998.1	1986.4	1974.8	1970.1	1967.8	1970.1	1959.6	1957.3	1965.4	1958.5
7.5°	1987.6	1994.6	1974.8	1974.8	1966.6	1980.6	1981.8	1968.9	1978.3	1978.3	1977.1
10°	1985.3	1987.6	1979.4	1963.1	1961.9	1970.1	1986.4	1991.1	1995.8	1994.6	1999.3
12.5°	1958.5	1956.1	1939.8	1944.5	1966.6	1974.8	2002.8	2015.6	2033.1	2037.8	2040.1
15°	1924.6	1934.0	1935.1	1949.1	1972.4	1985.3	2013.3	2038.9	2077.4	2086.8	2085.6
17.5°	1928.1	1931.6	1937.5	1945.6	1981.8	1987.6	2033.1	2061.1	2108.9	2141.6	2157.9
20°	1950.3	1943.3	1955.0	1975.9	1995.8	2000.4	2048.3	2091.4	2156.7	2199.9	2218.6
22.5°	1987.6	1988.8	1994.6	1994.6	2008.6	2029.6	2073.9	2107.8	2188.2	2248.9	2281.6
25°	2022.6	2024.9	2031.9	2029.6	2052.9	2062.3	2104.3	2155.6	2247.7	2318.9	2381.9
27.5°	2075.1	2082.1	2077.4	2078.6	2124.1	2133.4	2152.1	2220.9	2315.4	2411.0	2523.0
30°	2173.1	2173.1	2168.4	2173.1	2222.1	2245.4	2251.2	2318.9	2395.9	2511.3	2680.5
32.5°	2314.2	2315.4	2286.2	2309.5	2364.4	2405.2	2422.7	2530.0	2616.3	2672.3	2890.4
35°	2616.3	2603.5	2573.2	2505.5	2540.5	2590.7	2646.6	2783.1	2973.3	3182.0	3401.3
37.5°	3079.4	3078.2	2970.9	2835.6	2775.0	2800.6	2878.8	3082.9	3380.3	3901.7	4095.4
40°	3593.8	3606.6	3451.5	3282.4	3103.9	3106.2	3126.1	3381.5	3811.9	4565.4	4666.9
42.5°	4107.0	4086.0	3914.6	3752.4	3509.8	3494.6	3442.2	3683.6	4263.3	5096.2	5110.2
45°	4564.3	4553.8	4363.6	4199.2	3970.6	3912.2	3852.7	4006.7	4693.7	5525.4	5433.3
47.5°	4993.5	5007.5	4745.1	4596.9	4370.6	4341.5	4272.7	4370.6	5119.5	5862.5	5695.7
50°	5482.3	5488.1	5174.3	4991.2	4767.2	4729.9	4703.1	4827.9	5559.2	6184.5	5962.8
52.5°	6029.3	5915.0	5609.4	5357.5	5142.8	5114.8	5099.7	5230.3	6041.0	6466.7	6139.0
55°	6717.5	6564.7	6252.1	5834.5	5521.9	5526.6	5474.1	5626.9	6446.9	6661.5	6310.4
57.5°	7018.5	7053.5	6995.1	6614.9	6066.6	5999.0	5869.5	5987.3	6833.0	6890.2	6445.7
60°	7585.3	7720.7	7594.7	7382.4	7220.3	7043.0	6410.7	6455.1	7185.3	7143.3	6460.9
62.5°	7623.8	7670.5	8068.3	8102.1	8259.6	8319.0	7795.3	6985.8	7504.9	7270.4	6512.2
65°	7245.9	7298.4	7777.8	8198.9	9065.6	9147.2	8981.6	7957.4	7763.8	7339.2	6471.4
67.5°	6274.3	6317.4	6862.2	7741.7	9423.7	9541.5	9380.5	9002.6	7854.8	7315.9	6291.8
70°	5366.8	5391.3	5843.9	7074.4	9177.5	9316.3	9252.2	9042.2	7851.3	7178.3	5895.2
72.5°	4215.5	4286.7	4651.8	5867.2	8555.8	8672.5	8691.1	8798.4	7651.8	6725.7	5008.7
75°	3057.2	3095.7	3509.8	4558.4	7384.7	7663.5	7991.3	8396.0	6901.8	5709.7	3703.4
77.5°	2154.4	2191.7	2581.3	3456.2	5976.8	6294.1	6886.7	7124.6	5600.1	4279.7	1949.1
80°	1418.4	1413.7	1784.7	2558.0	4485.0	4707.7	5147.5	4829.1	3249.7	1860.5	212.3
82.5°	832.8	879.5	1143.1	1757.8	3134.2	3257.9	3246.2	2542.8	1290.1	192.5	108.5
85°	480.6	498.1	674.2	1041.6	1727.5	1745.0	1563.0	986.8	319.6	86.3	64.2
87.5°	214.6	206.5	268.3	344.1	314.9	234.5	145.8	40.8	24.5	16.3	10.5
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: P553549

CATALOG NUMBER: VERD-G-CA2-150-722-U-T4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1950.3	1950.3	1950.3	1950.3	1950.3	1950.3	1950.3	1950.3	1950.3	1950.3	1950.3
2.5°	1935.1	1929.3	1958.5	1942.1	1956.1	1948.0	1941.0	1950.3	1967.8	1982.9	1973.6
5°	1950.3	1953.8	1977.1	1957.3	1975.9	1972.4	1963.1	1973.6	2001.6	2015.6	2014.4
7.5°	1967.8	1970.1	1994.6	1986.4	1994.6	1987.6	2002.8	1995.8	2020.3	2029.6	2023.8
10°	1988.8	1992.3	2014.4	2015.6	2019.1	2014.4	2021.4	2024.9	2038.9	2057.6	2045.9
12.5°	2034.3	2042.4	2058.8	2076.3	2073.9	2055.3	2061.1	2042.4	2055.3	2061.1	2070.4
15°	2097.3	2117.1	2126.4	2150.9	2128.8	2118.3	2096.1	2058.8	2047.1	2041.3	2031.9
17.5°	2164.9	2183.6	2201.1	2232.6	2196.4	2168.4	2129.9	2059.9	2007.4	1988.8	1980.6
20°	2240.7	2258.2	2289.7	2310.7	2257.1	2196.4	2134.6	2031.9	1928.1	1857.0	1865.1
22.5°	2325.9	2364.4	2385.4	2379.5	2303.7	2220.9	2114.8	1958.5	1825.5	1719.3	1712.3
25°	2443.7	2465.9	2474.0	2420.4	2329.4	2203.4	2048.3	1871.0	1685.5	1566.5	1549.0
27.5°	2567.3	2590.7	2547.5	2447.2	2321.2	2162.6	1973.6	1721.7	1523.4	1409.1	1396.2
30°	2726.0	2720.1	2597.7	2439.0	2274.6	2064.6	1837.1	1568.9	1385.7	1279.6	1273.8
32.5°	2898.6	2855.4	2638.5	2399.4	2185.9	1936.3	1663.3	1424.2	1283.1	1176.9	1172.3
35°	3306.9	3108.6	2698.0	2349.2	2055.3	1759.0	1502.4	1315.7	1201.4	1081.3	1058.0
37.5°	3906.4	3586.8	2820.4	2297.9	1906.0	1584.0	1368.2	1235.3	1126.8	998.5	976.3
40°	4465.1	4073.2	3035.1	2259.4	1771.8	1442.9	1276.1	1179.3	1074.3	946.0	918.0
42.5°	4861.7	4451.1	3292.9	2196.4	1637.7	1330.9	1237.6	1158.3	1060.3	941.3	919.2
45°	5181.3	4777.7	3548.3	2125.3	1480.2	1235.3	1197.9	1140.8	1042.8	927.3	901.7
47.5°	5406.4	4983.0	3725.6	2044.8	1329.7	1176.9	1164.1	1112.8	1016.0	907.5	891.2
50°	5638.6	5212.8	3846.9	1961.9	1194.4	1132.6	1117.4	1049.8	961.1	864.3	846.8
52.5°	5790.2	5324.8	3916.9	1945.6	1079.0	1072.0	1053.3	989.1	905.2	800.2	779.2
55°	5905.7	5423.9	3906.4	1850.0	975.1	992.6	981.0	933.2	859.7	757.0	743.0
57.5°	5933.7	5439.1	3810.8	1553.7	877.2	886.5	892.3	901.7	830.5	745.4	722.0
60°	6014.2	5367.9	3641.6	1117.4	761.7	785.0	831.7	839.8	790.8	694.0	680.0
62.5°	5962.8	5320.1	3274.2	787.3	680.0	727.9	772.2	772.2	704.5	614.7	605.4
65°	5873.0	5131.2	2561.5	620.5	636.9	685.9	726.7	698.7	640.4	556.4	550.6
67.5°	5644.4	4670.4	1529.2	558.7	606.5	653.2	682.4	640.4	585.6	502.7	493.4
70°	4987.7	3722.1	582.1	529.6	576.2	608.9	627.5	584.4	530.7	447.9	439.7
72.5°	3960.1	2328.2	369.8	493.4	537.7	566.9	578.6	528.4	443.2	348.8	339.4
75°	2383.0	664.9	320.8	426.9	473.6	523.7	503.9	438.6	374.4	292.8	286.9
77.5°	603.0	201.8	285.8	344.1	384.9	444.4	443.2	395.4	326.6	239.1	229.8
80°	144.6	141.1	232.1	254.3	290.4	340.6	335.9	328.9	258.9	165.6	136.5
82.5°	92.1	98.0	157.5	142.3	165.6	198.3	225.1	212.3	193.6	101.5	91.0
85°	61.8	78.2	77.0	53.7	74.7	112.0	145.8	133.0	109.6	63.0	56.0
87.5°	9.3	10.5	14.0	21.0	32.7	54.8	72.3	71.2	53.7	39.7	37.3
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)