

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: P553532

Luminaire Tested: **VERD-G-CA2-140-750-U-T4-HSS**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553532
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-CA2-140-750-U-T4-HSS
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1290mA LEDS AND TYPE IV OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18613 lumens
Efficiency: N/A
Efficacy: 130.7 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

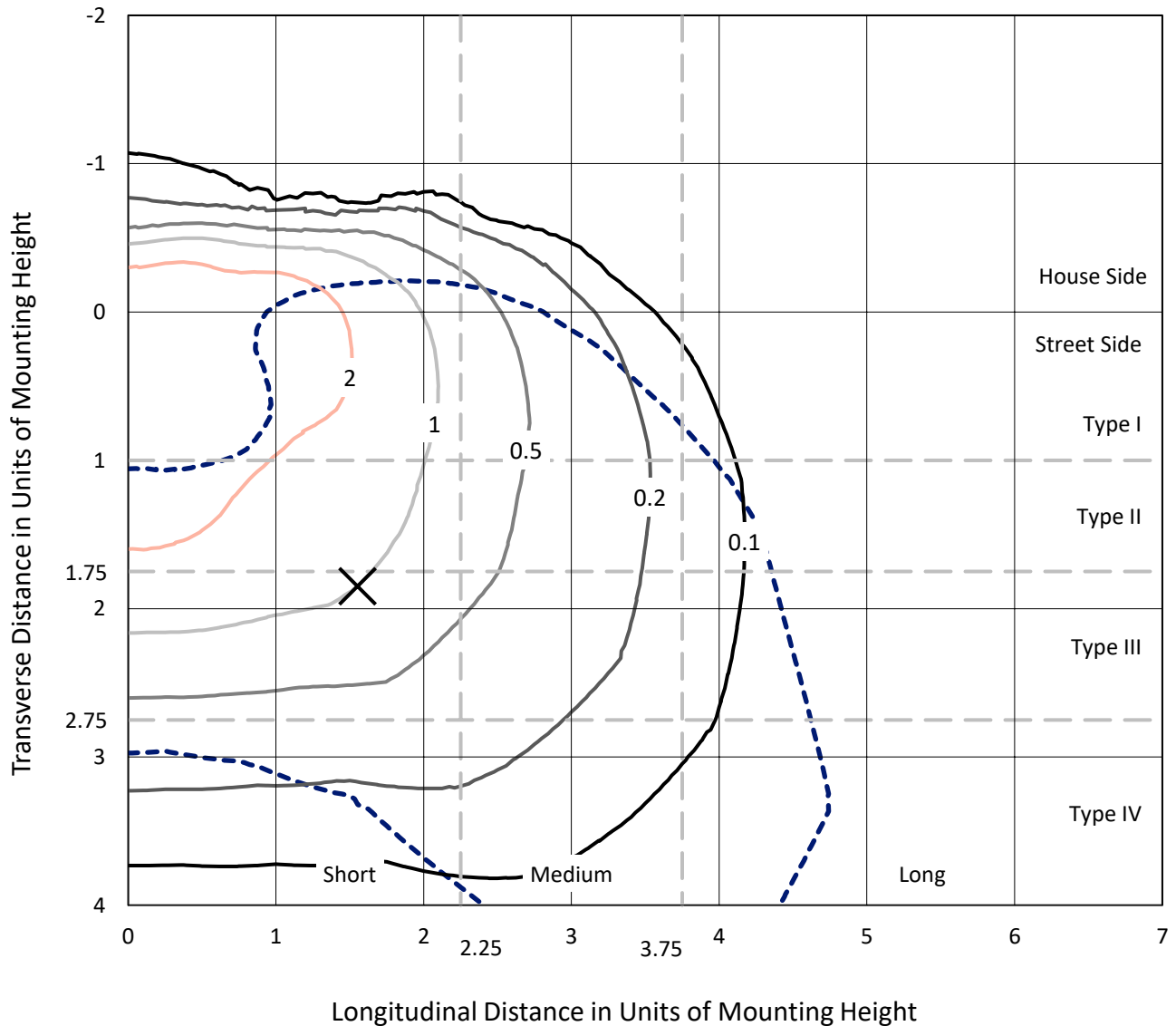
Input Watts (W): 142.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P553532
 CATALOG NUMBER: VERD-G-CA2-140-750-U-T4-HSS

Iso-Footcandle Lines of Horizontal Illumination

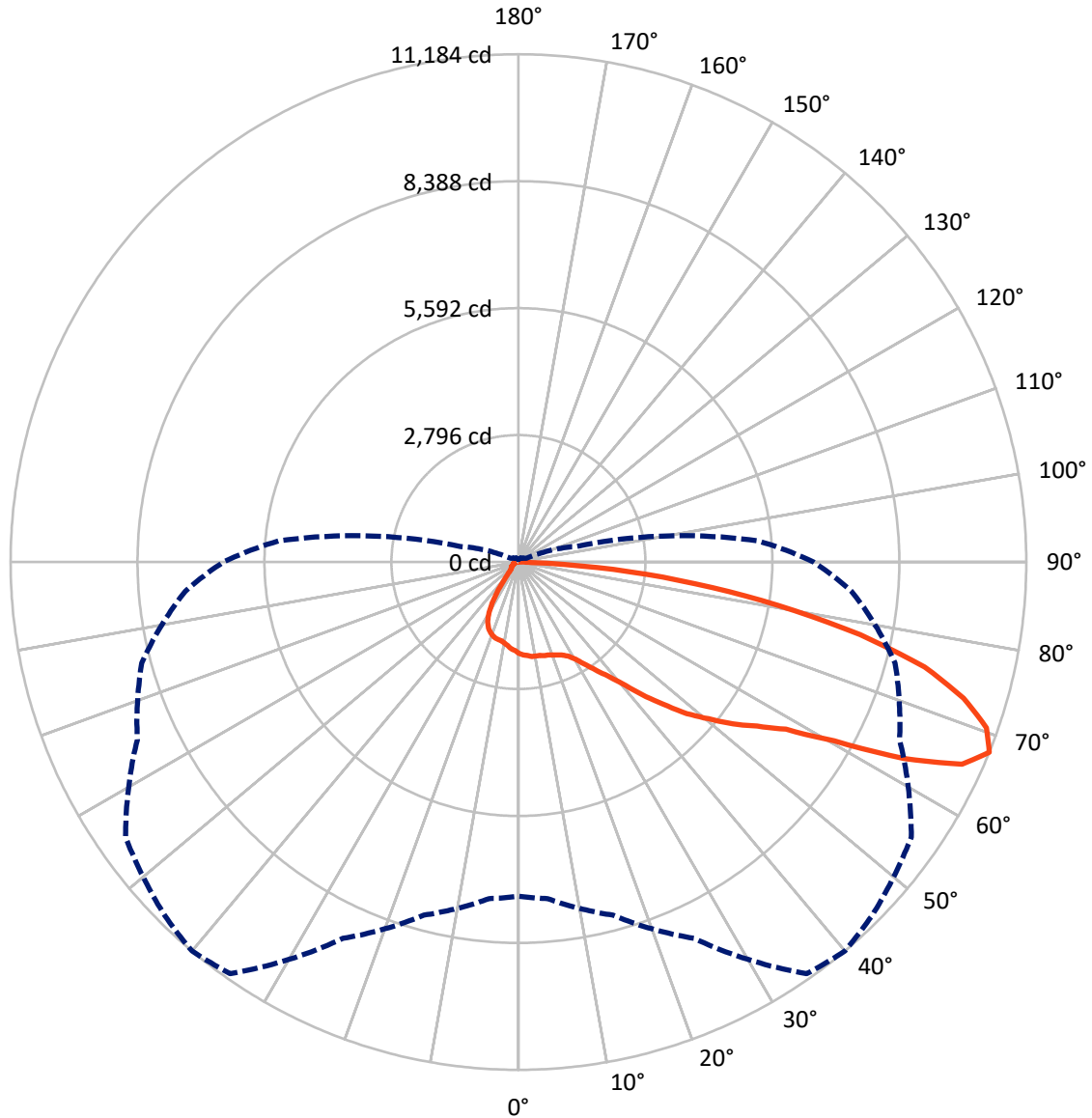
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P553532
CATALOG NUMBER: VERD-G-CA2-140-750-U-T4-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P553532

CATALOG NUMBER: VERD-G-CA2-140-750-U-T4-HSS

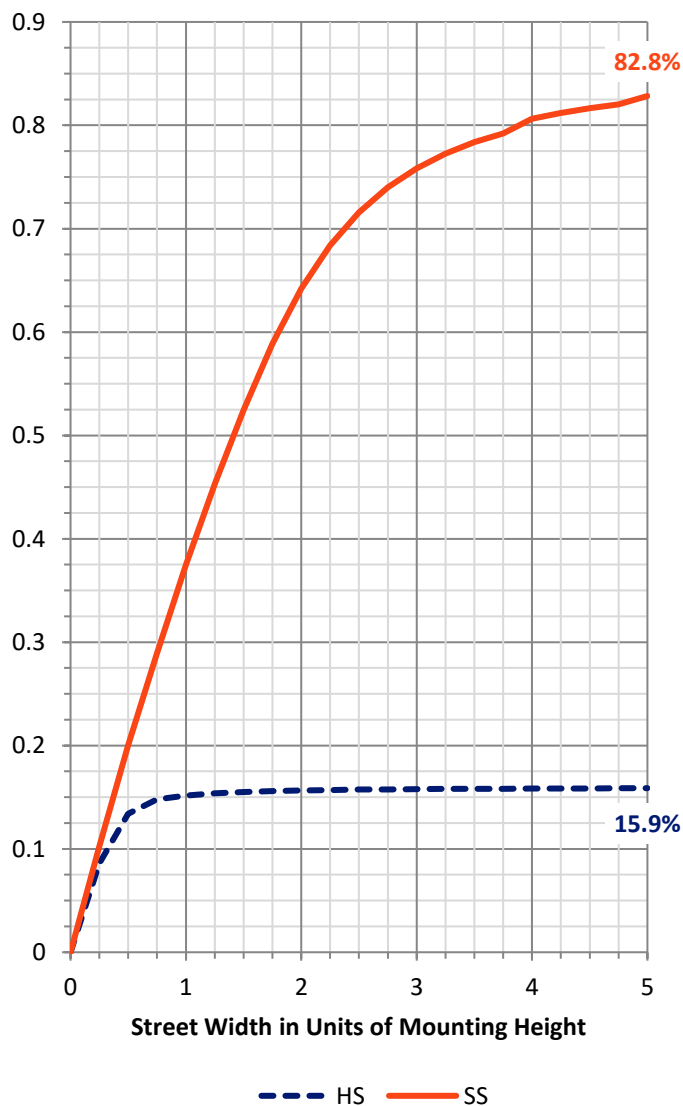
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2987.1	0.0	2987.1
	% Fixture	16.0	0.0	16.0
Street Side	Lumens	15625.9	0.0	15625.9
	% Fixture	84.0	0.0	84.0
Total	Lumens	18613.0	0.0	18613.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.7	1.0
10°-20°	565.5	3.0
20°-30°	940.8	5.1
30°-40°	1479.4	7.9
40°-50°	2561.5	13.8
50°-60°	3786.4	20.3
60°-70°	4922.6	26.4
70°-80°	3523.5	18.9
80°-90°	642.5	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°	18613.0	100.0
0°-180°	18613.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553532

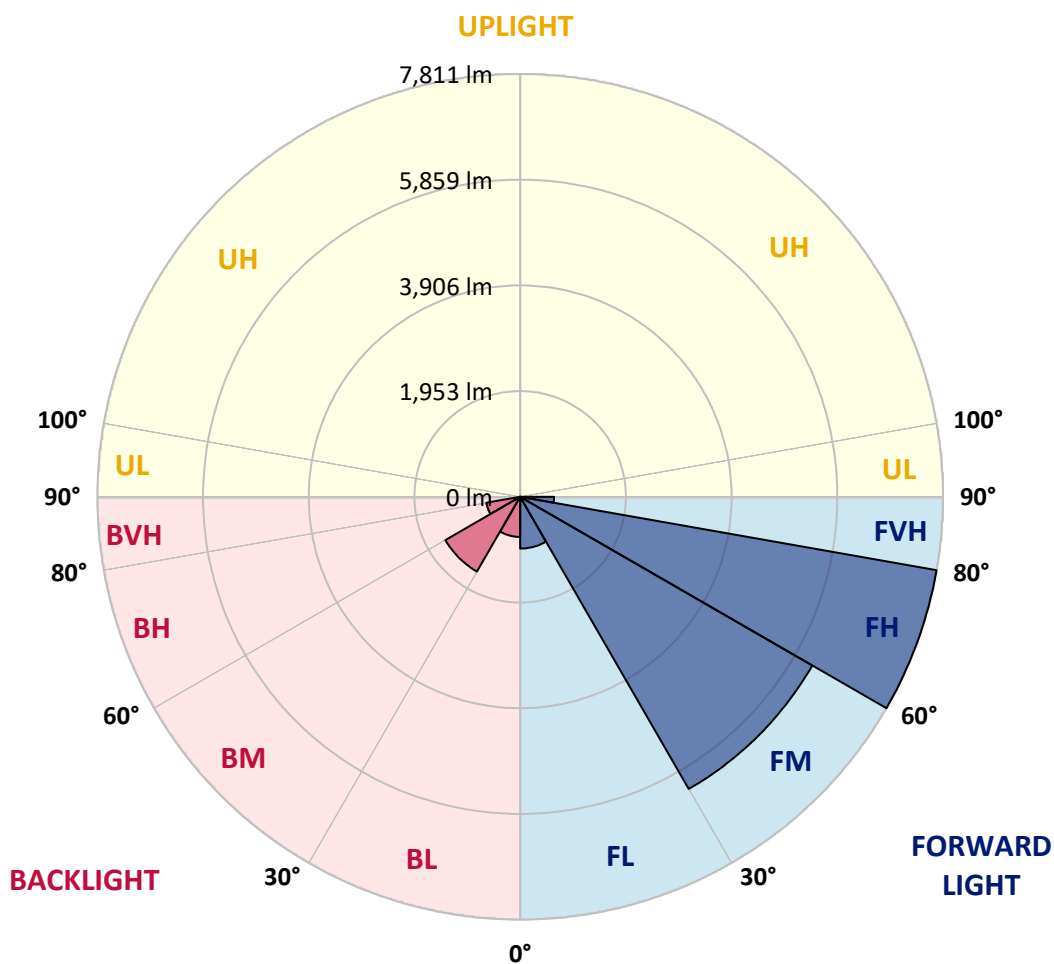
CATALOG NUMBER: VERD-G-CA2-140-750-U-T4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	956.0	5.1			
FM	(30°-60°)	6231.8	33.5			
FH	(60°-80°)	7811.4	42.0			G4/12000
FVH	(80°-90°)	626.7	3.4			G4/750
BL	(0°-30°)	741.0	4.0	B2/1000		
BM	(30°-60°)	1595.6	8.6	B2/2500		
BH	(60°-80°)	634.7	3.4	B2/1000		G2/1000
BVH	(80°-90°)	15.8	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: P553532

CATALOG NUMBER: VERD-G-CA2-140-750-U-T4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2014.8	2014.8	2014.8	2014.8	2014.8	2014.8	2014.8	2014.8	2014.8	2014.8	2014.8
2.5°	2096.3	2094.9	2081.1	2074.2	2054.9	2048.0	2049.3	2041.1	2021.7	2024.5	2005.1
5°	2099.1	2108.8	2088.0	2082.5	2075.6	2067.3	2077.0	2065.9	2049.3	2054.9	2034.1
7.5°	2111.5	2115.7	2106.0	2100.5	2083.9	2100.5	2099.1	2089.4	2078.4	2068.7	2060.4
10°	2115.7	2111.5	2092.2	2088.0	2088.0	2104.6	2111.5	2115.7	2115.7	2100.5	2094.9
12.5°	2094.9	2092.2	2072.8	2081.1	2099.1	2110.1	2132.3	2146.1	2168.2	2151.6	2143.3
15°	2063.2	2070.1	2078.4	2081.1	2114.3	2139.2	2159.9	2184.8	2222.1	2222.1	2219.3
17.5°	2072.8	2086.7	2096.3	2110.1	2141.9	2150.2	2179.2	2219.3	2281.5	2285.6	2292.6
20°	2121.2	2121.2	2124.0	2133.6	2161.3	2186.1	2211.0	2262.2	2334.0	2357.5	2364.4
22.5°	2173.7	2170.9	2183.4	2182.0	2204.1	2220.7	2252.5	2296.7	2386.5	2430.7	2448.7
25°	2216.6	2224.8	2235.9	2222.1	2264.9	2271.8	2296.7	2350.6	2445.9	2524.7	2563.4
27.5°	2289.8	2295.3	2292.6	2299.5	2342.3	2346.4	2369.9	2447.3	2535.8	2643.6	2727.8
30°	2415.5	2396.2	2399.0	2414.2	2476.3	2484.6	2509.5	2584.1	2654.6	2796.9	2929.6
32.5°	2588.3	2588.3	2557.9	2586.9	2658.8	2680.9	2718.2	2830.1	2899.2	2975.2	3193.5
35°	2918.6	2918.6	2896.4	2820.4	2856.4	2911.6	2980.7	3135.5	3348.3	3597.1	3829.2
37.5°	3465.8	3457.5	3370.4	3233.6	3156.2	3175.6	3243.3	3493.4	3838.9	4445.5	4623.8
40°	4119.4	4095.9	3932.9	3742.2	3544.5	3511.4	3543.2	3856.9	4348.8	5248.4	5316.1
42.5°	4699.8	4698.4	4459.4	4297.7	4044.8	3989.5	3952.2	4224.4	4860.1	5831.6	5855.1
45°	5253.9	5240.1	5008.0	4832.5	4601.7	4460.7	4451.1	4641.8	5397.7	6356.7	6257.2
47.5°	5747.3	5768.0	5508.2	5339.6	5084.0	4987.2	4909.9	5072.9	5892.4	6804.4	6598.5
50°	6315.2	6352.5	5964.2	5779.1	5520.6	5425.3	5468.1	5588.4	6385.7	7170.6	6902.5
52.5°	7032.4	6913.6	6528.0	6210.2	5969.8	5922.8	5932.5	6099.7	6956.4	7470.5	7114.0
55°	7876.8	7701.3	7314.3	6818.2	6425.8	6381.6	6377.4	6547.4	7484.3	7751.0	7277.0
57.5°	8194.6	8285.8	8133.8	7767.6	7073.9	6944.0	6843.1	7000.7	7958.3	8060.6	7448.4
60°	8928.4	9026.5	8914.6	8679.6	8444.7	7992.8	7550.6	7535.4	8400.5	8356.3	7520.2
62.5°	9009.9	8978.1	9475.6	9558.5	9698.1	9522.6	9195.1	8244.4	8799.9	8506.9	7576.9
65°	8553.9	8558.0	9225.5	9681.5	10646.1	10735.9	10532.8	9372.0	9099.7	8566.3	7536.8
67.5°	7359.9	7441.5	8049.5	9142.6	11066.2	11183.6	11012.3	10561.8	9261.4	8587.1	7362.7
70°	6324.9	6327.7	6902.5	8236.1	10845.1	10933.5	10854.7	10639.2	9199.2	8422.6	6890.1
72.5°	4977.6	4962.4	5466.8	6814.1	10064.3	10252.2	10209.4	10357.3	8971.2	7828.4	5862.0
75°	3594.3	3624.7	4136.0	5248.4	8657.5	9240.7	9448.0	9898.5	8158.7	6648.3	4297.7
77.5°	2516.4	2546.8	3037.4	3986.8	6986.8	7690.2	8023.3	8418.5	6612.3	4927.8	2202.7
80°	1645.8	1673.5	2094.9	2994.6	5208.3	5808.1	6058.2	5821.9	3883.1	2070.1	241.8
82.5°	956.3	1010.2	1330.8	2054.9	3649.6	3934.2	3948.1	3063.6	1451.0	185.2	113.3
85°	465.7	500.2	796.0	1218.8	1996.8	2099.1	1947.1	1140.1	338.6	88.4	64.9
87.5°	69.1	91.2	313.7	460.2	338.6	277.8	167.2	38.7	22.1	11.1	8.3
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: P553532
 CATALOG NUMBER: VERD-G-CA2-140-750-U-T4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2014.8	2014.8	2014.8	2014.8	2014.8	2014.8	2014.8	2014.8	2014.8	2014.8	2014.8
2.5°	1994.1	1992.7	1996.8	1978.9	1980.2	1958.1	1949.8	1945.7	1965.0	1962.3	1976.1
5°	2018.9	2005.1	2003.7	1959.5	1955.4	1927.7	1911.2	1886.3	1905.6	1901.5	1901.5
7.5°	2034.1	2020.3	2012.0	1959.5	1923.6	1875.2	1847.6	1828.2	1826.9	1822.7	1824.1
10°	2059.0	2052.1	2007.9	1949.8	1901.5	1839.3	1786.8	1756.4	1742.6	1743.9	1734.3
12.5°	2114.3	2100.5	2041.1	1972.0	1894.6	1808.9	1741.2	1687.3	1659.6	1654.1	1638.9
15°	2193.1	2177.9	2103.2	2024.5	1912.5	1811.7	1710.8	1615.4	1568.4	1549.1	1535.3
17.5°	2285.6	2262.2	2176.5	2086.7	1949.8	1808.9	1681.8	1553.2	1463.4	1412.3	1408.1
20°	2358.9	2347.8	2249.7	2153.0	1973.3	1790.9	1633.4	1463.4	1329.4	1235.4	1216.1
22.5°	2455.6	2457.0	2347.8	2202.7	1992.7	1760.5	1557.4	1337.7	1155.3	1029.5	1007.4
25°	2595.2	2574.5	2451.5	2242.8	1996.8	1726.0	1453.7	1180.1	942.4	801.5	776.6
27.5°	2762.4	2732.0	2535.8	2263.5	1978.9	1656.9	1315.6	974.2	696.5	574.9	555.5
30°	2939.3	2867.4	2604.9	2271.8	1923.6	1545.0	1119.3	711.7	493.3	407.7	399.4
32.5°	3165.9	3060.9	2664.3	2244.2	1839.3	1375.0	867.8	487.8	341.3	295.7	298.5
35°	3630.2	3373.2	2756.9	2213.8	1720.5	1162.2	606.6	323.4	263.9	258.4	259.8
37.5°	4332.2	3924.6	2919.9	2169.6	1543.6	888.6	389.7	250.1	251.5	251.5	251.5
40°	5010.7	4527.1	3170.1	2082.5	1326.6	621.9	257.0	236.3	243.2	241.8	243.2
42.5°	5494.4	4974.8	3432.6	1976.1	1076.5	393.8	230.8	222.5	226.6	225.2	229.4
45°	5886.8	5359.0	3671.7	1825.5	805.6	257.0	226.6	211.4	207.3	205.9	210.0
47.5°	6177.0	5611.9	3843.0	1637.5	537.6	221.1	217.0	194.8	189.3	189.3	190.7
50°	6459.0	5855.1	3894.2	1423.3	331.7	215.6	204.5	181.0	172.7	170.0	172.7
52.5°	6655.2	5938.0	3905.2	1181.5	222.5	210.0	189.3	164.4	154.8	153.4	154.8
55°	6822.4	6108.0	3815.4	880.3	199.0	197.6	175.5	147.9	136.8	142.3	145.1
57.5°	6863.8	6124.5	3635.8	581.8	197.6	181.0	160.3	132.7	124.4	129.9	131.3
60°	6968.9	6056.8	3411.9	357.9	193.5	161.7	142.3	117.5	111.9	113.3	116.1
62.5°	6879.0	6019.5	3029.1	250.1	178.3	147.9	132.7	107.8	98.1	96.7	96.7
65°	6787.8	5799.8	2316.0	207.3	158.9	138.2	120.2	95.4	84.3	78.8	78.8
67.5°	6497.6	5307.8	1322.5	192.1	143.7	127.1	109.2	87.1	73.2	66.3	63.6
70°	5766.6	4252.1	407.7	175.5	145.1	118.8	100.9	76.0	63.6	53.9	52.5
72.5°	4516.0	2658.8	190.7	154.8	149.2	110.6	94.0	70.5	56.7	45.6	44.2
75°	2657.4	637.1	156.2	114.7	127.1	117.5	92.6	67.7	49.7	37.3	35.9
77.5°	577.6	154.8	139.6	77.4	95.4	113.3	88.4	59.4	44.2	29.0	27.6
80°	139.6	121.6	127.1	59.4	63.6	78.8	71.9	51.1	40.1	23.5	22.1
82.5°	94.0	91.2	111.9	37.3	31.8	29.0	30.4	31.8	33.2	18.0	16.6
85°	62.2	78.8	59.4	20.7	18.0	15.2	15.2	13.8	19.3	11.1	11.1
87.5°	9.7	8.3	9.7	8.3	8.3	6.9	5.5	5.5	4.1	5.5	5.5
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)