

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: P509229

Luminaire Tested: **VERD-CA2-130-750-U-T2**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509229
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-130-750-U-T2
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1180mA LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18475 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 131.8
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

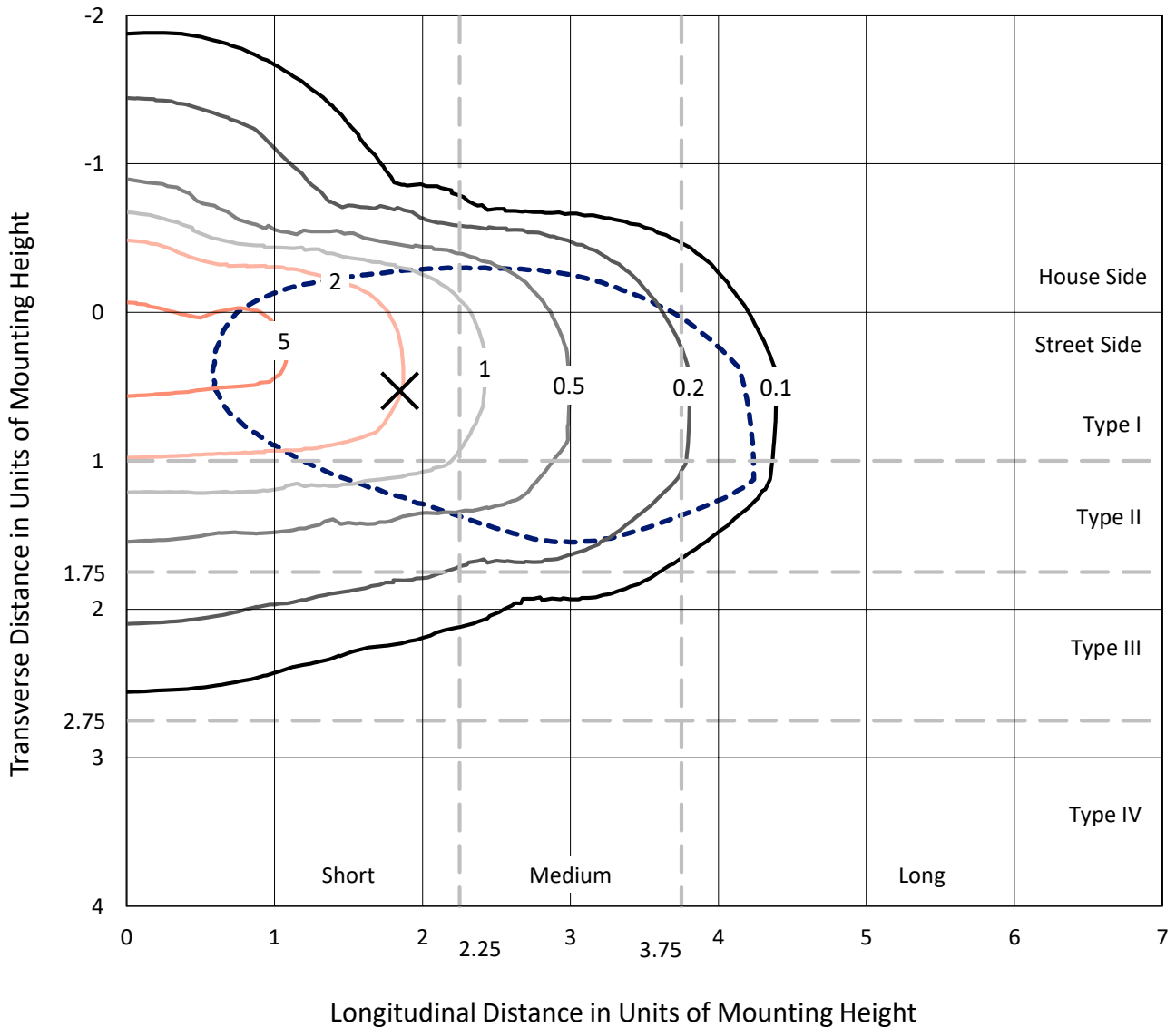


REPORT NUMBER: P509229

CATALOG NUMBER: VERD-CA2-130-750-U-T2

Iso-Footcandle Lines of Horizontal Illumination

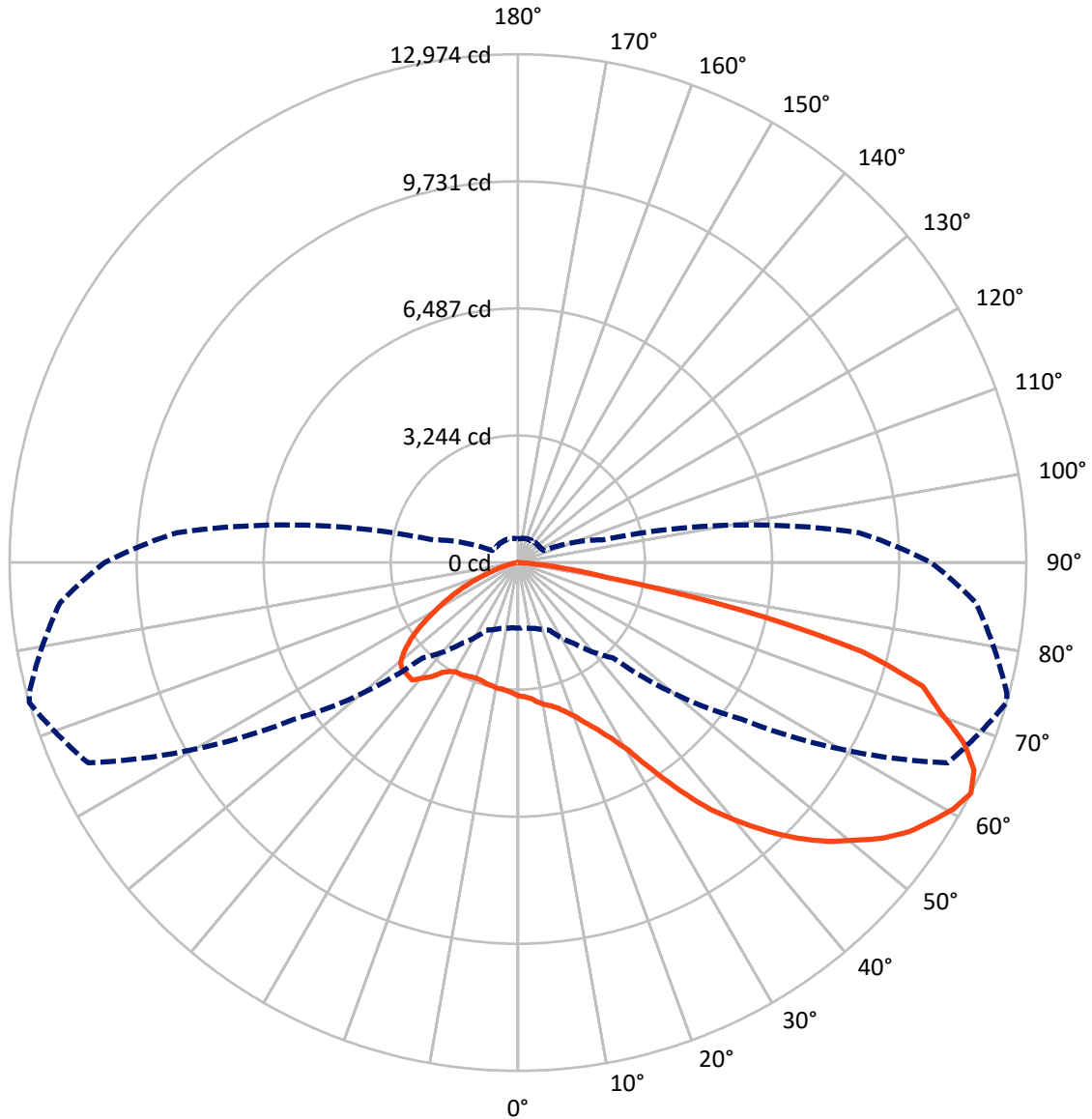
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - N/A

REPORT NUMBER: P509229
CATALOG NUMBER: VERD-CA2-130-750-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P509229

CATALOG NUMBER: VERD-CA2-130-750-U-T2

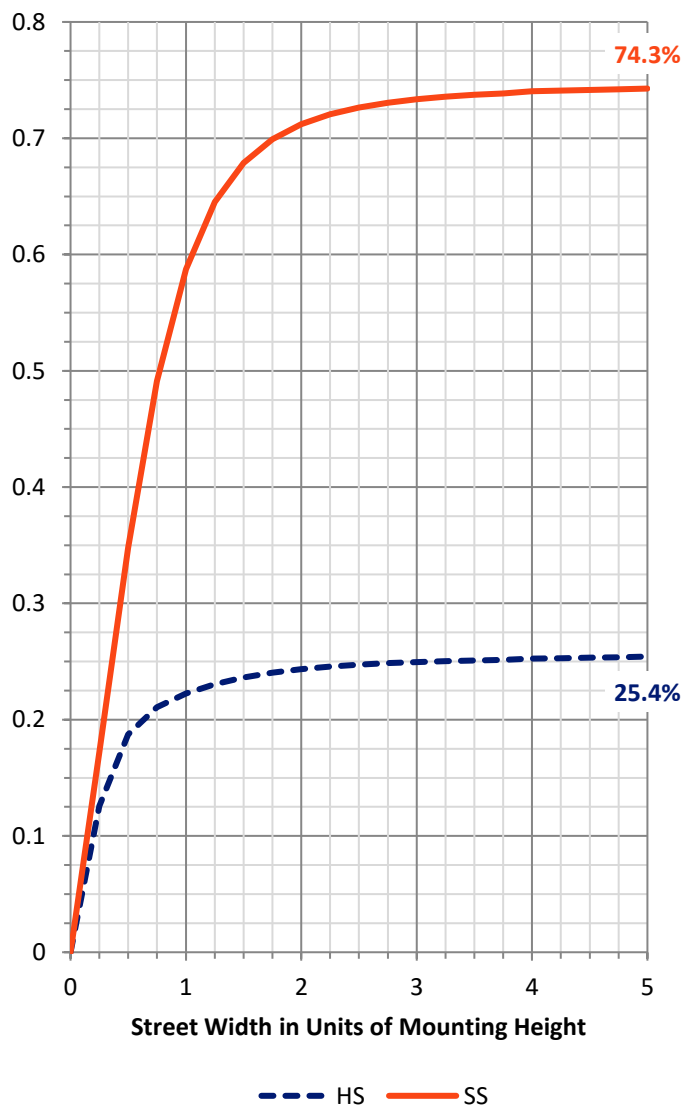
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4770.4	0.0	4770.4
	% Fixture	25.8	0.0	25.8
Street Side	Lumens	13704.6	0.0	13704.6
	% Fixture	74.2	0.0	74.2
Total	Lumens	18475.0	0.0	18475.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.4	1.8
10°-20°	998.0	5.4
20°-30°	1682.9	9.1
30°-40°	2458.8	13.3
40°-50°	3274.0	17.7
50°-60°	3767.7	20.4
60°-70°	3640.9	19.7
70°-80°	2096.0	11.3
80°-90°	229.3	1.2
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°	18475.0	100.0
0°-180°	18475.0	100.0

Coefficient of Utilization



REPORT NUMBER: P509229

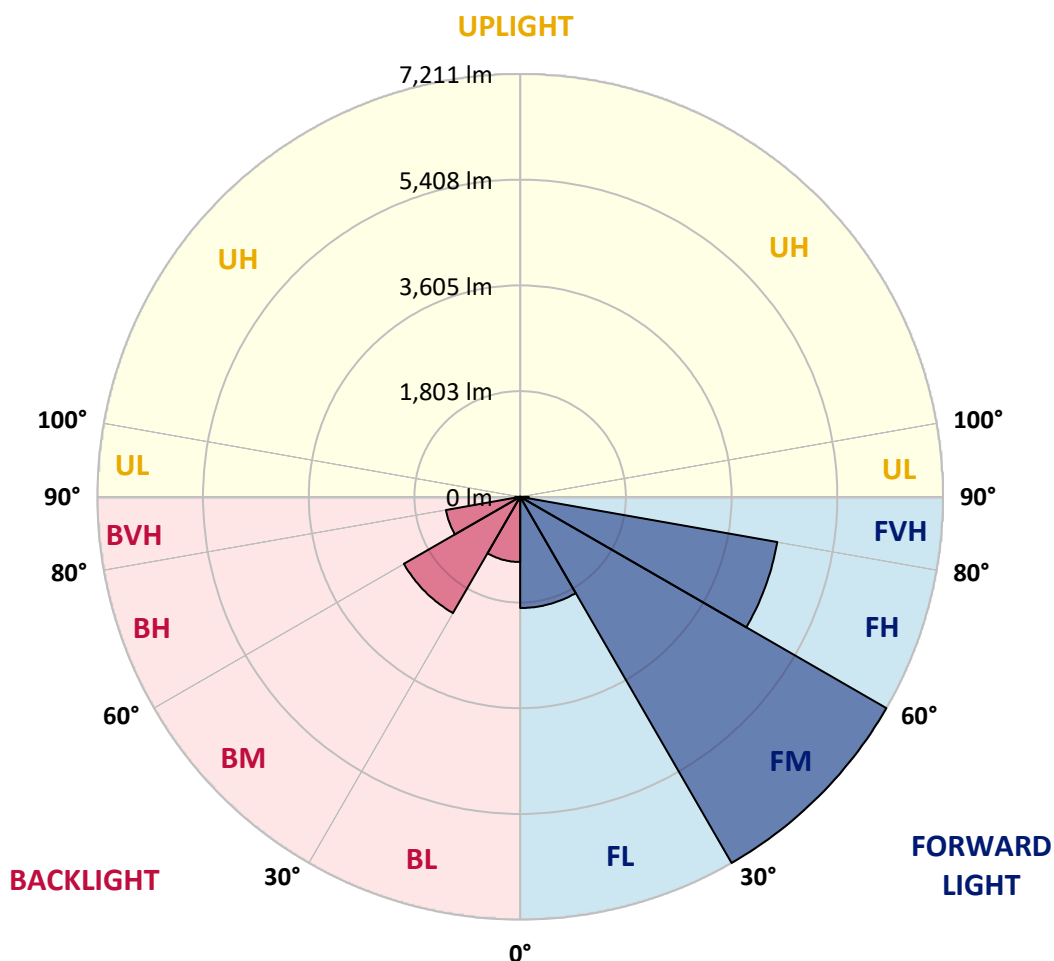
CATALOG NUMBER: VERD-CA2-130-750-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1896.2	10.3			
FM (30°-60°)	7210.8	39.0			
FH (60°-80°)	4452.6	24.1			G2/5000
FVH (80°-90°)	145.0	0.8			G2/225
BL (0°-30°)	1112.2	6.0	B3/2500		
BM (30°-60°)	2289.7	12.4	B2/2500		
BH (60°-80°)	1284.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	84.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





REPORT NUMBER: P509229
 CATALOG NUMBER: VERD-CA2-130-750-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	3406.7	3406.7	3406.7	3406.7	3406.7	3406.7	3406.7	3406.7	3406.7	3406.7	3406.7
2.5°	3646.4	3620.2	3604.1	3586.0	3563.8	3555.8	3507.4	3465.1	3430.9	3432.9	3410.7
5°	3779.4	3751.2	3714.9	3708.9	3680.7	3674.6	3628.3	3561.8	3487.3	3477.2	3410.7
7.5°	3928.5	3912.4	3890.2	3862.0	3815.7	3785.4	3719.0	3666.6	3590.0	3579.9	3449.0
10°	4109.8	4097.7	4081.6	4081.6	4021.1	3956.7	3876.1	3745.1	3684.7	3674.6	3515.5
12.5°	4323.3	4287.1	4234.7	4204.5	4148.1	4107.8	4021.1	3882.1	3751.2	3747.2	3577.9
15°	4462.3	4432.1	4397.9	4385.8	4313.3	4246.8	4154.1	4043.3	3860.0	3845.9	3654.5
17.5°	4617.5	4589.3	4549.0	4526.8	4480.5	4403.9	4321.3	4176.3	4013.1	3999.0	3741.1
20°	4704.1	4673.9	4661.8	4665.8	4649.7	4611.4	4512.7	4381.8	4194.4	4176.3	3860.0
22.5°	4800.8	4780.7	4784.7	4814.9	4845.1	4831.0	4754.5	4609.4	4448.2	4420.0	4051.4
25°	4802.8	4786.7	4841.1	4957.9	5022.4	5054.6	5014.3	4895.5	4724.2	4698.1	4295.1
27.5°	4837.1	4812.9	4871.3	4994.2	5189.6	5256.1	5270.2	5225.9	5078.8	5046.6	4587.3
30°	4748.4	4732.3	4820.9	5034.5	5264.2	5485.8	5566.3	5634.8	5552.2	5554.3	5038.5
32.5°	4595.3	4567.1	4702.1	4964.0	5391.1	5693.3	5906.8	6182.8	6309.7	6297.6	5824.2
35°	4303.2	4319.3	4500.6	4901.5	5395.1	5904.8	6323.8	6817.4	7161.9	7153.9	6638.1
37.5°	4095.7	4087.6	4301.2	4726.3	5393.1	6092.2	6728.8	7550.7	7996.0	7983.9	7337.2
40°	3845.9	3847.9	4061.4	4508.7	5298.4	6209.0	7147.8	8245.8	8699.1	8680.9	8006.0
42.5°	3577.9	3586.0	3785.4	4242.8	5167.5	6297.6	7522.5	8948.9	9388.0	9404.2	8541.9
45°	3338.2	3342.2	3539.7	3958.7	4935.8	6307.7	7859.0	9613.7	10040.8	10002.5	9104.0
47.5°	2985.6	2989.7	3281.8	3688.7	4629.6	6225.1	8137.0	10246.3	10637.1	10556.5	9579.4
50°	2339.0	2347.0	2693.5	3408.7	4256.9	6035.7	8356.6	10840.6	11142.8	11108.5	10067.0
52.5°	2159.7	2153.6	2298.7	3074.3	3922.4	5693.3	8495.6	11374.4	11680.7	11676.6	10469.9
55°	2069.0	2063.0	2111.3	2492.1	3594.1	5185.6	8491.6	11789.5	12125.9	12043.3	10838.6
57.5°	1907.8	1895.7	2020.6	2208.0	3227.4	4553.0	8290.1	12162.2	12448.2	12424.1	11171.0
60°	1793.0	1782.9	1867.5	2040.8	2836.6	3910.3	7772.3	12355.6	12772.6	12782.7	11451.0
62.5°	1674.1	1668.1	1740.6	1901.8	2530.3	3440.9	6974.6	12101.7	12974.0	12919.6	11731.0
65°	1539.2	1535.1	1603.6	1734.6	2226.1	3084.4	6192.9	11648.4	12792.7	12855.2	11767.3
67.5°	1378.0	1376.0	1442.5	1533.1	1893.7	2725.8	4996.2	11114.6	12275.0	12206.5	11301.9
70°	1180.6	1172.5	1255.1	1339.7	1585.5	2318.8	3888.2	10165.7	11432.9	11680.7	10375.2
72.5°	993.2	989.2	1067.7	1130.2	1313.5	1893.7	2836.6	8791.7	10802.3	10445.7	9347.8
75°	777.6	757.5	840.1	898.5	1035.5	1506.9	1934.0	5872.6	9091.9	9017.4	7852.9
77.5°	314.3	364.6	435.2	487.5	578.2	854.2	1011.3	2786.2	5800.0	6055.9	5461.6
80°	120.9	128.9	310.2	350.5	388.8	491.6	388.8	1174.5	2288.6	2496.1	3162.9
82.5°	68.5	76.6	153.1	147.1	145.1	124.9	145.1	576.2	1194.7	1309.5	1527.1
85°	38.3	42.3	62.5	68.5	58.4	50.4	44.3	151.1	298.2	282.0	316.3
87.5°	6.0	8.1	10.1	10.1	6.0	6.0	6.0	8.1	8.1	8.1	10.1
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: P509229

CATALOG NUMBER: VERD-CA2-130-750-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3406.7	3406.7	3406.7	3406.7	3406.7	3406.7	3406.7	3406.7	3406.7	3406.7	3406.7
2.5°	3388.6	3366.4	3344.2	3318.1	3285.8	3265.7	3257.6	3267.7	3295.9	3261.6	3233.4
5°	3376.5	3346.3	3295.9	3245.5	3205.2	3171.0	3124.6	3120.6	3128.7	3114.6	3078.3
7.5°	3402.7	3358.3	3255.6	3221.3	3136.7	3056.2	3030.0	3019.9	2995.7	2967.5	2933.3
10°	3455.0	3364.4	3259.6	3158.9	3080.3	2993.7	2893.0	2895.0	2884.9	2852.7	2820.4
12.5°	3481.2	3374.5	3221.3	3114.6	2993.7	2886.9	2788.2	2743.9	2762.0	2735.8	2701.6
15°	3529.6	3416.8	3207.2	3050.1	2884.9	2764.0	2689.5	2625.0	2584.7	2590.8	2570.6
17.5°	3620.2	3455.0	3171.0	2979.6	2800.3	2657.3	2514.2	2508.2	2447.7	2413.5	2383.3
20°	3714.9	3523.5	3167.0	2903.0	2663.3	2486.0	2371.2	2306.7	2270.5	2242.3	2220.1
22.5°	3837.8	3618.2	3181.1	2858.7	2540.4	2341.0	2193.9	2107.3	2048.9	2028.7	2012.6
25°	4011.1	3737.1	3219.3	2780.2	2411.5	2181.8	1982.4	1891.7	1825.2	1809.1	1797.0
27.5°	4248.8	3888.2	3257.6	2695.5	2260.4	1958.2	1746.7	1658.0	1583.5	1581.5	1559.3
30°	4623.5	4119.9	3271.7	2621.0	2099.2	1718.5	1506.9	1424.3	1367.9	1345.8	1361.9
32.5°	5322.6	4631.6	3360.4	2506.2	1895.7	1484.8	1305.5	1239.0	1176.5	1152.4	1168.5
35°	6078.1	5244.0	3509.4	2427.6	1672.1	1263.2	1140.3	1061.7	985.1	973.1	967.0
37.5°	6632.1	5802.1	3791.5	2298.7	1460.6	1128.2	967.0	902.5	858.2	834.0	856.2
40°	7260.6	6265.4	4005.0	2161.7	1245.0	985.1	805.8	785.7	765.5	749.4	773.6
42.5°	7758.2	6742.9	4258.9	1980.4	1071.8	836.1	717.2	733.3	743.4	735.3	737.3
45°	8215.5	7097.4	4275.0	1704.4	914.6	725.3	691.0	723.2	747.4	743.4	741.4
47.5°	8662.8	7520.5	4313.3	1412.2	801.8	697.1	693.0	717.2	749.4	755.5	755.5
50°	9124.1	7842.8	4254.8	1136.2	759.5	701.1	699.1	697.1	737.3	739.4	745.4
52.5°	9470.6	8104.7	3978.8	938.8	757.5	713.2	709.1	689.0	707.1	721.2	711.2
55°	9837.3	8431.1	3630.3	864.3	753.5	717.2	733.3	699.1	687.0	674.9	687.0
57.5°	10185.8	8658.8	3173.0	819.9	737.3	711.2	743.4	697.1	670.9	636.6	624.5
60°	10453.8	8711.1	2663.3	773.6	717.2	697.1	699.1	683.0	648.7	606.4	588.3
62.5°	10544.4	8741.4	2240.2	729.3	676.9	674.9	658.8	652.7	638.6	612.4	604.4
65°	10467.9	8398.9	1789.0	674.9	642.7	644.7	620.5	600.4	568.1	525.8	521.8
67.5°	9942.1	7796.5	1371.9	606.4	590.3	610.4	584.2	550.0	513.7	485.5	489.5
70°	9041.5	7083.3	963.0	511.7	529.8	566.1	556.0	511.7	471.4	447.2	451.3
72.5°	8040.3	6001.5	654.7	398.9	431.1	507.7	507.7	477.5	437.2	404.9	396.9
75°	6342.0	4714.2	423.1	263.9	284.1	415.0	449.3	402.9	358.6	338.5	330.4
77.5°	4305.2	3070.3	270.0	151.1	189.4	272.0	354.6	360.6	425.1	427.1	409.0
80°	2530.3	1756.7	165.2	88.6	94.7	157.1	284.1	356.6	451.3	318.3	292.1
82.5°	1259.1	749.4	74.5	54.4	56.4	78.6	153.1	409.0	348.5	199.4	191.4
85°	280.0	122.9	30.2	28.2	32.2	40.3	78.6	338.5	213.5	161.2	157.1
87.5°	10.1	8.1	8.1	8.1	6.0	6.0	16.1	110.8	84.6	70.5	66.5
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)