

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: P553515

Luminaire Tested: **VERD-G-CA2-140-730-U-T3**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553515
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-140-730-U-T3
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1290mA LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20115 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

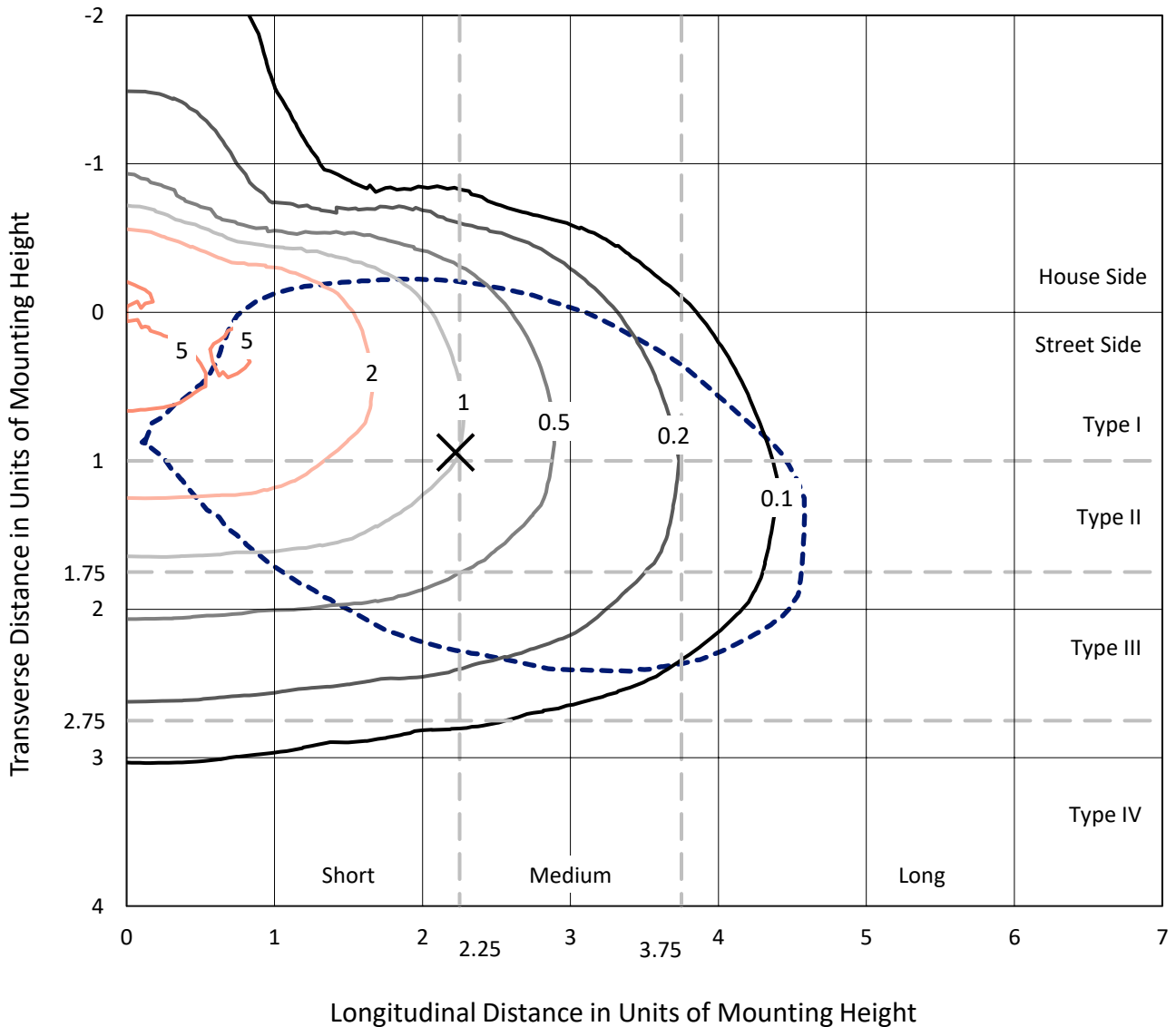
Input Watts (W): 142.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P553515
 CATALOG NUMBER: VERD-G-CA2-140-730-U-T3

Iso-Footcandle Lines of Horizontal Illumination

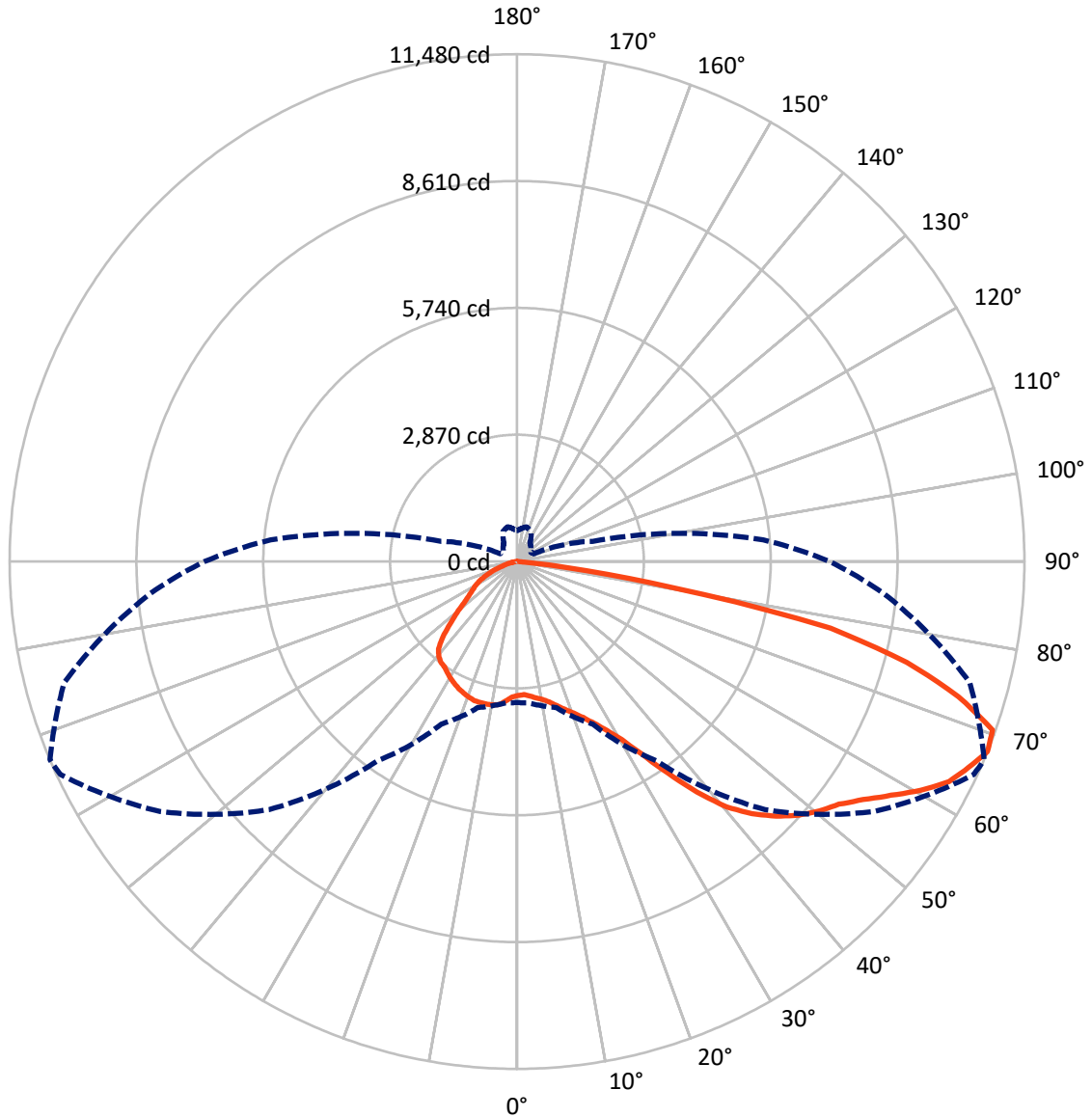
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Short - N/A

REPORT NUMBER: P553515
CATALOG NUMBER: VERD-G-CA2-140-730-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P553515

CATALOG NUMBER: VERD-G-CA2-140-730-U-T3

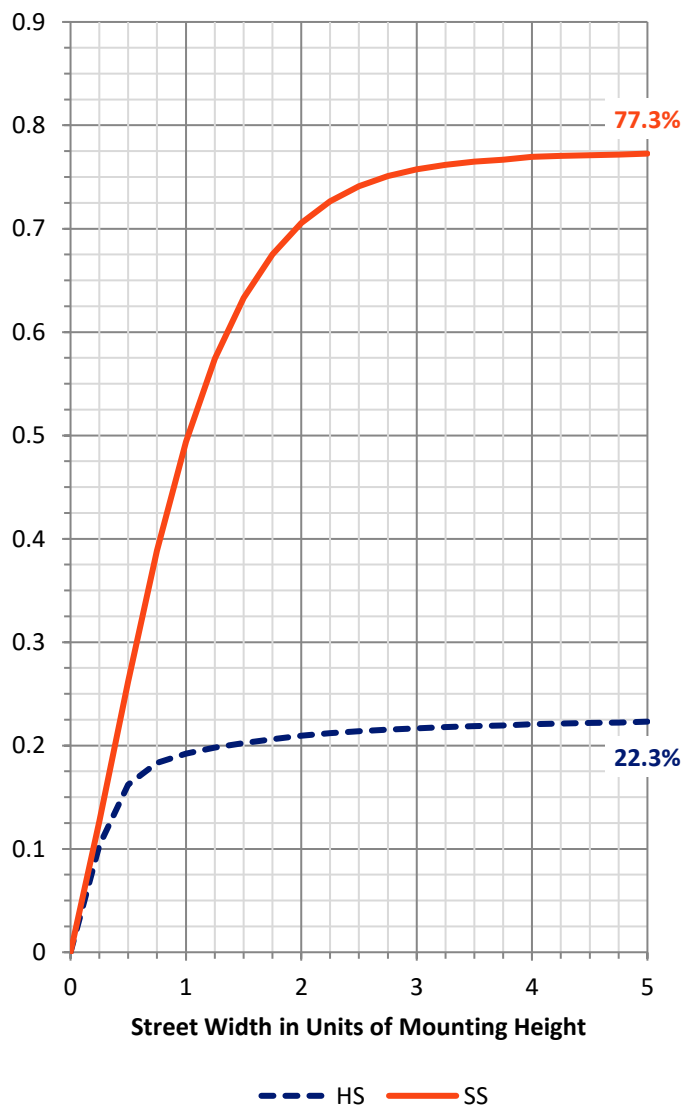
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4564.2	0.0	4564.2
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	15550.8	0.0	15550.8
	% Fixture	77.3	0.0	77.3
Total	Lumens	20115.0	0.0	20115.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.2	1.5
10°-20°	972.3	4.8
20°-30°	1667.5	8.3
30°-40°	2481.7	12.3
40°-50°	3393.0	16.9
50°-60°	4075.6	20.3
60°-70°	4323.6	21.5
70°-80°	2641.2	13.1
80°-90°	252.9	1.3
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°	20115.0	100.0
0°-180°	20115.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553515

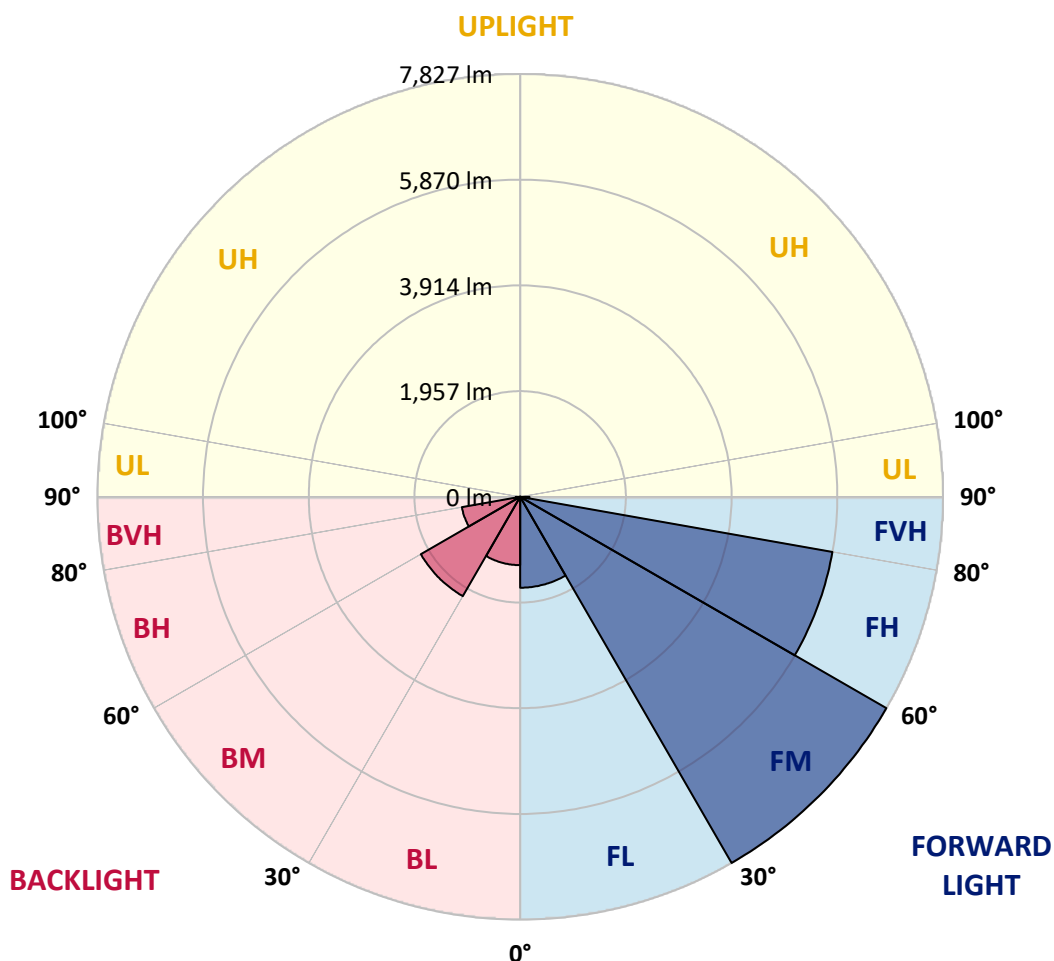
CATALOG NUMBER: VERD-G-CA2-140-730-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1682.4	8.4			
FM (30°-60°)	7827.2	38.9			
FH (60°-80°)	5869.0	29.2			G3/7500
FVH (80°-90°)	172.2	0.9			G2/225
BL (0°-30°)	1264.5	6.3	B3/2500		
BM (30°-60°)	2123.1	10.6	B2/2500		
BH (60°-80°)	1095.9	5.4	B3/2500		G3/2500
BVH (80°-90°)	80.7	0.4			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 III Short





REPORT NUMBER: P553515

CATALOG NUMBER: VERD-G-CA2-140-730-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8
2.5°	3080.8	3095.4	3071.4	3055.4	3038.1	3047.5	3024.8	3024.8	3014.1	3031.5	3020.8
5°	3180.7	3194.0	3152.7	3119.4	3116.7	3088.8	3086.1	3072.8	3056.8	3071.4	3086.1
7.5°	3314.0	3308.6	3279.3	3240.7	3202.0	3186.0	3159.4	3139.4	3115.4	3128.7	3132.7
10°	3476.5	3467.2	3428.5	3367.3	3336.6	3292.6	3226.0	3188.7	3171.4	3184.7	3188.7
12.5°	3649.7	3637.8	3600.4	3532.5	3479.2	3409.9	3333.9	3274.0	3262.0	3248.7	3271.3
15°	3844.3	3823.0	3791.0	3736.4	3653.7	3563.1	3459.2	3401.9	3384.6	3361.9	3351.3
17.5°	4054.8	4052.2	4010.9	3950.9	3866.9	3741.7	3608.4	3519.2	3519.2	3509.8	3452.5
20°	4281.4	4270.7	4229.4	4196.1	4077.5	3945.6	3783.0	3669.7	3657.7	3639.1	3544.5
22.5°	4509.2	4510.5	4457.2	4431.9	4344.0	4174.8	3969.5	3856.3	3832.3	3807.0	3643.1
25°	4715.8	4718.4	4702.4	4655.8	4583.8	4427.9	4213.4	4062.8	4049.5	4014.9	3816.3
27.5°	4925.0	4958.3	4911.6	4917.0	4885.0	4706.4	4491.9	4309.3	4322.7	4246.7	3974.9
30°	5172.8	5184.8	5162.1	5168.8	5148.8	5031.6	4823.7	4675.8	4675.8	4589.2	4244.0
32.5°	5371.3	5360.7	5362.0	5431.3	5440.6	5376.7	5206.1	5158.1	5199.5	5188.8	4878.3
35°	5470.0	5488.6	5540.6	5699.1	5776.4	5737.8	5717.8	5781.8	5885.7	5952.3	5571.2
37.5°	5596.5	5653.8	5719.1	5896.4	6038.9	6145.5	6254.8	6465.3	6614.6	6701.2	6229.5
40°	5727.1	5732.5	5863.0	6082.9	6361.4	6530.6	6790.5	7152.9	7299.5	7234.2	6594.6
42.5°	5625.9	5639.2	5820.4	6212.2	6561.3	6994.3	7275.5	7693.9	7795.2	7596.6	6971.7
45°	5495.3	5520.6	5749.8	6212.2	6781.1	7419.4	7740.6	8206.9	8218.9	7951.1	7199.6
47.5°	5379.3	5400.7	5641.8	6164.2	6987.7	7792.5	8115.0	8494.8	8576.0	8240.2	7502.0
50°	5224.8	5278.1	5515.3	6121.6	7083.6	8052.4	8446.8	8841.2	8869.2	8513.4	7728.6
52.5°	5056.9	5103.5	5395.3	6041.6	7206.2	8266.9	8666.6	9174.3	9122.4	8878.5	7983.1
55°	4830.4	4871.7	5208.8	5913.7	7220.9	8382.8	8825.2	9483.5	9503.5	9182.3	8229.6
57.5°	4570.5	4639.8	4946.3	5676.5	7086.3	8417.5	9098.4	9901.9	9979.2	9558.1	8426.8
60°	4289.4	4344.0	4691.8	5424.6	6907.7	8548.1	9472.8	10444.2	10505.5	9885.9	8506.7
62.5°	4001.5	4046.8	4334.7	5046.2	6579.9	8573.4	9799.3	10989.2	10969.2	10177.7	8617.3
65°	3643.1	3647.1	3918.9	4589.2	6124.2	8392.2	9967.2	11210.4	11230.4	10442.9	8490.8
67.5°	3187.4	3212.7	3419.2	4056.2	5503.3	7936.4	9860.6	11401.0	11479.6	10606.8	8329.5
70°	2538.4	2553.1	2769.0	3361.9	4678.4	7231.5	9658.0	11430.3	11413.0	10394.9	7885.8
72.5°	1805.6	1861.5	2006.8	2363.9	3589.8	5919.0	8742.6	10525.5	10445.5	9576.8	7034.3
75°	1160.6	1165.9	1311.2	1544.4	2101.4	4196.1	7287.5	9073.1	9106.4	8306.9	5727.1
77.5°	383.8	433.1	481.0	651.6	871.5	1746.9	4919.6	7151.6	7252.9	6544.0	3908.3
80°	169.2	169.2	286.5	369.1	470.4	748.9	1962.8	3236.7	3547.1	3051.4	1505.7
82.5°	123.9	126.6	191.9	219.9	185.2	311.8	704.9	1036.7	1099.3	987.4	598.3
85°	70.6	73.3	82.6	94.6	78.6	126.6	155.9	159.9	161.2	139.9	109.3
87.5°	32.0	32.0	29.3	25.3	14.7	9.3	9.3	6.7	8.0	6.7	5.3
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: P553515

CATALOG NUMBER: VERD-G-CA2-140-730-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8	3032.8
2.5°	3016.8	3030.1	3059.4	3064.8	3078.1	3098.1	3123.4	3135.4	3175.4	3194.0	3199.4
5°	3088.8	3095.4	3146.1	3163.4	3223.3	3254.0	3280.6	3299.3	3348.6	3360.6	3381.9
7.5°	3143.4	3166.0	3227.3	3266.0	3303.3	3335.3	3332.6	3376.6	3401.9	3421.9	3429.9
10°	3199.4	3211.4	3274.0	3291.3	3319.3	3343.3	3349.9	3361.9	3368.6	3396.6	3405.9
12.5°	3286.0	3278.0	3286.0	3300.6	3323.3	3318.0	3332.6	3315.3	3324.6	3360.6	3347.3
15°	3349.9	3331.3	3296.6	3298.0	3283.3	3276.6	3255.3	3240.7	3239.3	3247.3	3260.7
17.5°	3421.9	3367.3	3303.3	3286.0	3231.3	3178.0	3140.7	3100.8	3094.1	3102.1	3092.8
20°	3484.5	3411.2	3300.6	3246.0	3139.4	3043.5	2988.8	2928.9	2926.2	2920.9	2910.2
22.5°	3560.5	3468.5	3299.3	3188.7	3062.1	2907.5	2794.3	2749.0	2694.3	2715.7	2713.0
25°	3673.7	3559.1	3311.3	3127.4	2922.2	2738.3	2593.1	2493.1	2438.5	2426.5	2431.8
27.5°	3813.6	3661.7	3318.0	3050.1	2794.3	2531.8	2301.2	2150.7	2117.4	2073.4	2077.4
30°	4017.5	3801.7	3349.9	2964.8	2606.4	2267.9	1993.4	1797.6	1741.6	1750.9	1753.6
32.5°	4498.6	4089.5	3372.6	2866.2	2399.9	1976.1	1617.7	1421.8	1377.8	1393.8	1403.1
35°	5130.2	4641.1	3496.5	2739.6	2165.3	1635.0	1240.6	1130.0	1139.3	1169.9	1177.9
37.5°	5756.4	5226.1	3769.7	2629.0	1865.5	1251.2	990.1	924.8	979.4	1008.7	1018.0
40°	6141.5	5615.2	4070.8	2458.5	1484.4	919.4	754.2	716.9	779.5	847.5	880.8
42.5°	6530.6	5933.7	4266.7	2250.6	1062.0	668.9	561.0	591.6	694.2	762.2	778.2
45°	6778.5	6097.6	4285.4	1920.1	707.6	518.3	511.7	577.0	682.2	736.9	746.2
47.5°	7019.7	6317.4	4206.7	1537.7	533.0	493.0	507.7	583.6	687.6	748.9	747.5
50°	7259.5	6533.3	4036.2	1220.6	503.7	477.0	515.7	597.0	696.9	743.5	743.5
52.5°	7406.1	6639.9	3693.7	971.4	485.0	467.7	519.7	602.3	687.6	714.2	710.2
55°	7582.0	6665.2	3463.2	808.8	465.0	461.0	527.7	617.0	686.2	688.9	679.6
57.5°	7673.9	6602.6	3275.3	687.6	447.7	463.7	537.0	620.9	724.9	756.9	762.2
60°	7634.0	6526.6	3062.1	611.6	431.7	459.7	534.3	651.6	844.8	911.4	899.4
62.5°	7595.3	6384.1	2703.7	549.0	414.4	462.4	531.7	722.2	992.7	923.4	886.1
65°	7455.4	6088.2	2237.3	489.0	393.1	463.7	526.3	798.2	1016.7	932.8	868.8
67.5°	7071.6	5595.2	1769.6	425.1	367.8	445.1	514.3	750.2	814.2	732.9	698.2
70°	6500.0	4881.0	1213.9	367.8	337.1	422.4	506.4	710.2	764.9	707.6	663.6
72.5°	5577.9	3835.0	672.9	307.8	295.8	394.4	505.0	700.9	770.2	606.3	558.3
75°	4241.4	2543.8	437.1	241.2	242.5	351.8	481.0	668.9	746.2	570.3	505.0
77.5°	2498.5	1071.3	305.1	171.9	189.2	273.2	427.7	640.9	706.2	558.3	505.0
80°	848.8	471.7	198.5	115.9	115.9	174.6	305.1	523.7	628.9	543.7	538.3
82.5°	441.1	299.8	126.6	72.0	66.6	83.9	187.9	359.8	505.0	461.0	525.0
85°	87.9	62.6	40.0	29.3	32.0	42.6	66.6	182.6	319.8	355.8	426.4
87.5°	6.7	5.3	8.0	8.0	8.0	8.0	9.3	45.3	127.9	157.2	194.5
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)