

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: P553586

Luminaire Tested: **VERD-G-CA2-150-760-U-T3-HSS**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553586
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-150-760-U-T3-HSS
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1380mA LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19943 lumens
Efficiency: N/A
Efficacy: 131.0 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

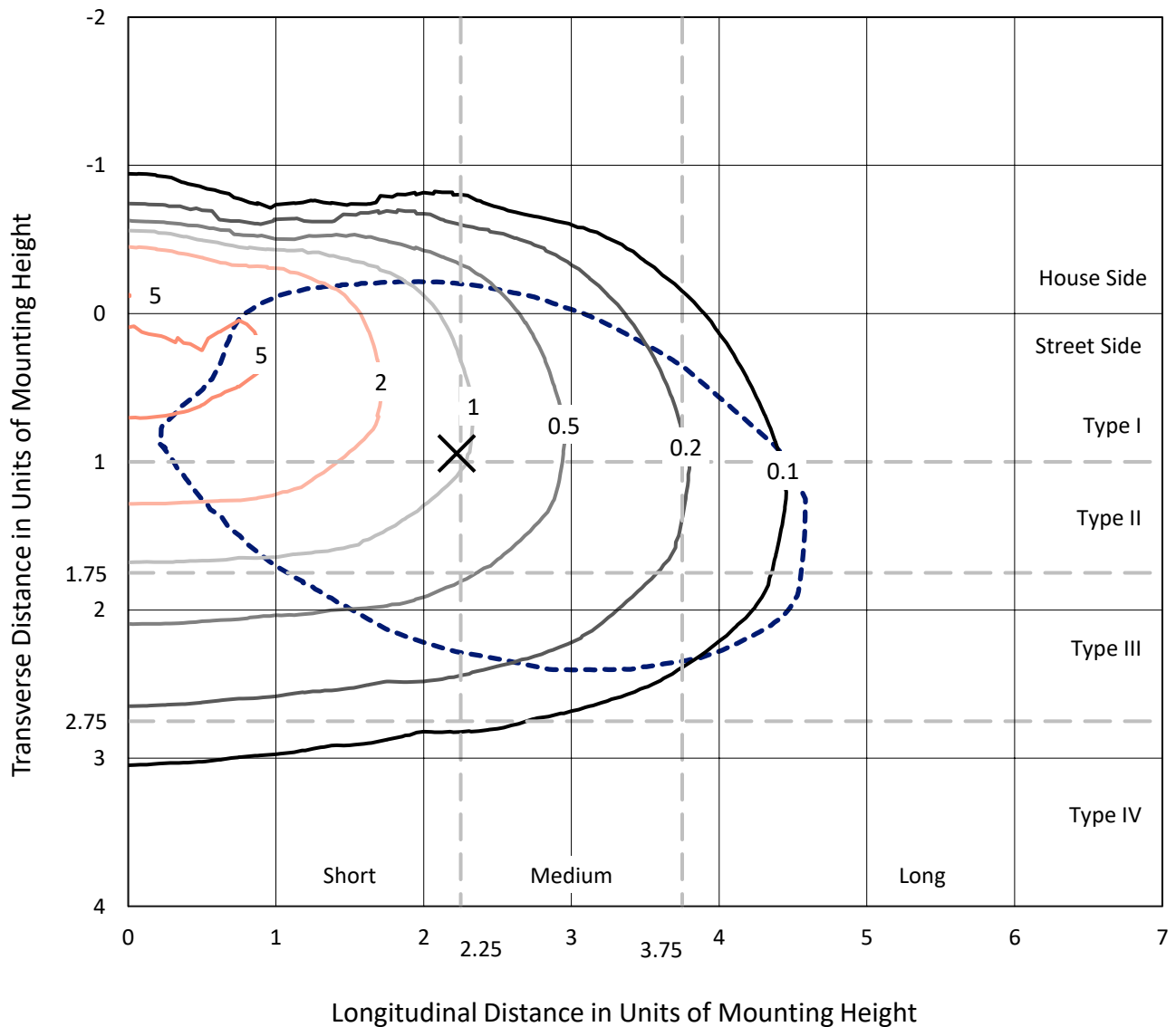
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P553586
 CATALOG NUMBER: VERD-G-CA2-150-760-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

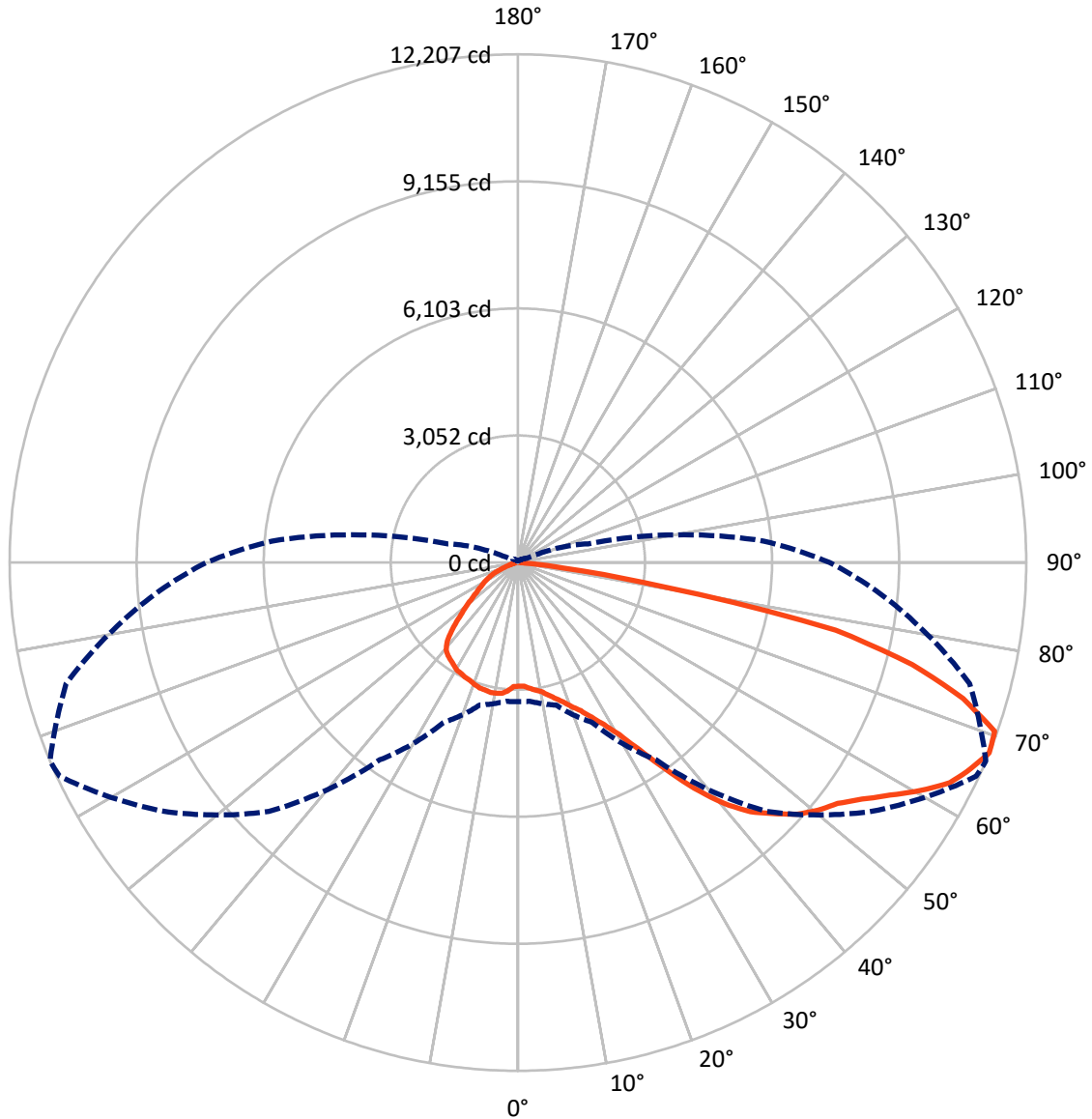
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Short - N/A

REPORT NUMBER: P553586
CATALOG NUMBER: VERD-G-CA2-150-760-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P553586
 CATALOG NUMBER: VERD-G-CA2-150-760-U-T3-HSS

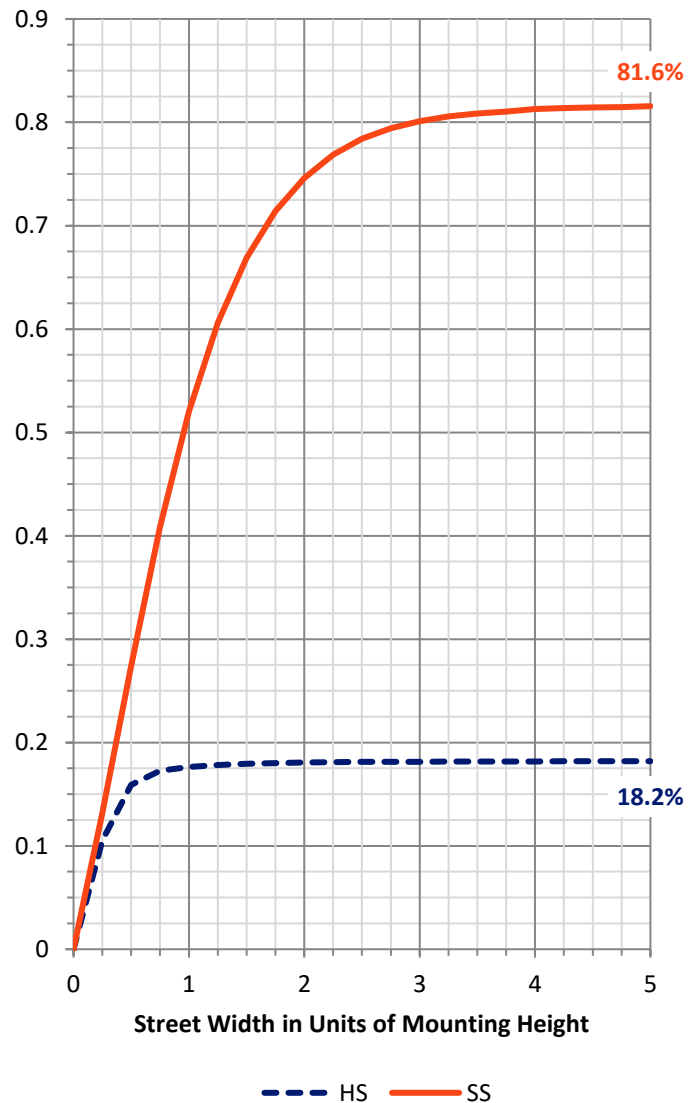
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3670.7	0.0	3670.7
	% Fixture	18.4	0.0	18.4
Street Side	Lumens	16272.3	0.0	16272.3
	% Fixture	81.6	0.0	81.6
Total	Lumens	19943.0	0.0	19943.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.6	1.5
10°-20°	933.5	4.7
20°-30°	1591.5	8.0
30°-40°	2427.4	12.2
40°-50°	3422.0	17.2
50°-60°	4136.2	20.7
60°-70°	4356.2	21.8
70°-80°	2591.4	13.0
80°-90°	186.3	0.9
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°	19943.0	100.0
0°-180°	19943.0	100.0



REPORT NUMBER: P553586

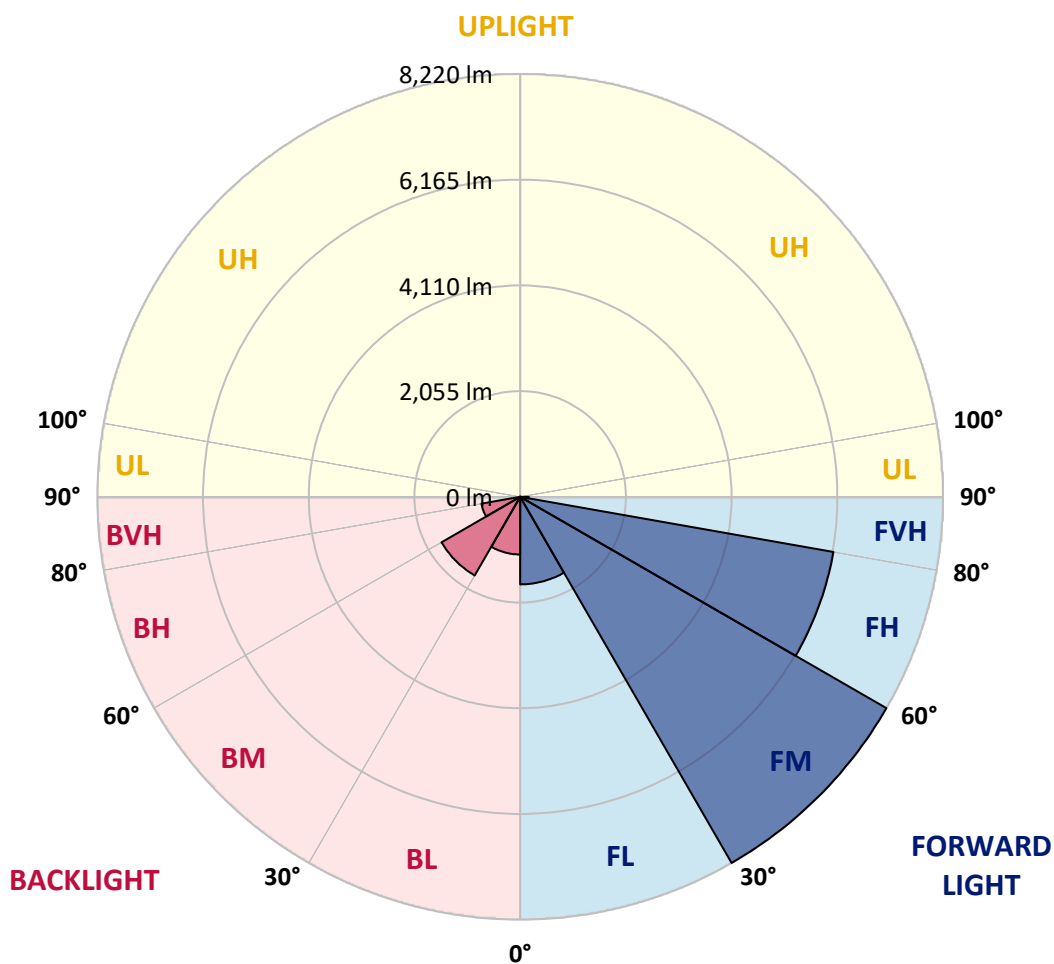
CATALOG NUMBER: VERD-G-CA2-150-760-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1702.6	8.5			
FM (30°-60°)	8219.6	41.2			
FH (60°-80°)	6183.4	31.0			G3/7500
FVH (80°-90°)	166.7	0.8			G2/225
BL (0°-30°)	1121.0	5.6	B3/2500		
BM (30°-60°)	1766.0	8.9	B2/2500		
BH (60°-80°)	764.2	3.8	B2/1000		G2/1000
BVH (80°-90°)	19.6	0.1			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: P553586

CATALOG NUMBER: VERD-G-CA2-150-760-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2968.9	2968.9	2968.9	2968.9	2968.9	2968.9	2968.9	2968.9	2968.9	2968.9	2968.9
2.5°	3031.7	3043.1	3020.2	3014.5	2984.6	2988.9	2983.1	2968.9	2974.6	2963.2	2970.3
5°	3148.6	3118.7	3110.1	3093.0	3065.9	3050.2	3027.4	3020.2	3035.9	3023.1	3025.9
7.5°	3272.8	3278.5	3239.9	3207.1	3158.6	3147.2	3107.3	3083.0	3098.7	3081.6	3091.6
10°	3428.3	3436.8	3395.5	3351.2	3309.9	3249.9	3200.0	3161.5	3157.2	3148.6	3162.9
12.5°	3632.3	3630.9	3585.2	3531.0	3449.7	3408.3	3312.7	3258.5	3265.6	3234.2	3231.4
15°	3869.1	3849.1	3796.3	3740.7	3639.4	3558.1	3442.5	3375.5	3386.9	3351.2	3342.7
17.5°	4100.2	4080.3	4038.9	3977.5	3884.8	3759.3	3618.0	3521.0	3518.1	3501.0	3449.7
20°	4337.1	4345.6	4290.0	4234.3	4141.6	3973.3	3813.5	3687.9	3690.8	3660.8	3560.9
22.5°	4613.8	4598.1	4531.1	4505.4	4399.8	4215.8	4037.5	3893.4	3864.8	3859.1	3686.5
25°	4877.8	4867.8	4806.4	4776.5	4688.0	4519.7	4288.5	4115.9	4111.6	4093.1	3849.1
27.5°	5087.5	5098.9	5093.2	5071.8	4974.8	4809.3	4606.7	4399.8	4402.7	4375.6	4060.3
30°	5385.6	5351.4	5338.6	5355.7	5347.1	5168.8	4953.4	4803.6	4793.6	4723.7	4327.1
32.5°	5559.7	5576.8	5593.9	5653.9	5655.3	5522.6	5382.8	5311.5	5351.4	5362.8	4990.5
35°	5719.5	5719.5	5817.9	5969.2	6021.9	5976.3	5916.4	6006.2	6084.7	6243.1	5806.5
37.5°	5862.2	5903.5	5996.3	6186.0	6358.6	6402.9	6534.1	6780.9	6876.5	7020.6	6494.2
40°	5982.0	6012.0	6130.4	6362.9	6659.7	6862.2	7107.6	7500.0	7599.8	7572.7	6876.5
42.5°	5849.3	5897.8	6087.6	6565.5	6939.3	7320.2	7641.2	8064.9	8186.2	7935.1	7278.8
45°	5778.0	5796.5	5994.8	6537.0	7144.7	7783.9	8147.7	8601.3	8601.3	8320.3	7562.7
47.5°	5635.3	5668.1	5903.5	6499.9	7363.0	8170.5	8538.6	9000.8	9030.8	8684.1	7845.2
50°	5491.2	5532.6	5799.4	6434.2	7485.7	8558.5	8871.0	9334.6	9346.1	8933.8	8094.9
52.5°	5348.6	5370.0	5668.1	6391.4	7621.2	8758.3	9157.7	9605.7	9611.4	9307.5	8370.2
55°	5093.2	5146.0	5454.1	6234.5	7614.1	8849.6	9307.5	9968.1	10023.7	9714.1	8641.3
57.5°	4853.5	4869.2	5205.9	6007.7	7498.5	8955.2	9630.0	10487.4	10541.6	10083.6	8842.4
60°	4533.9	4551.1	4913.4	5738.0	7327.3	9060.7	10039.4	11093.7	11118.0	10471.7	8993.7
62.5°	4200.1	4258.6	4556.8	5324.3	6972.1	9079.3	10386.1	11653.0	11643.0	10808.4	9093.5
65°	3807.8	3829.2	4115.9	4840.7	6428.5	8938.0	10528.8	11924.0	11948.3	11045.2	9027.9
67.5°	3337.0	3345.5	3542.4	4238.6	5785.1	8451.5	10410.3	12145.2	12206.5	11230.7	8754.0
70°	2636.5	2649.3	2830.5	3492.5	4872.0	7706.8	10210.6	12170.9	12145.2	11063.8	8337.4
72.5°	1837.5	1819.0	1995.9	2449.6	3689.3	6338.7	9246.2	11135.1	11180.7	10236.3	7465.7
75°	880.3	886.0	1236.9	1506.6	2071.5	4528.2	7695.4	9588.6	9779.8	8920.9	6081.9
77.5°	149.8	152.7	326.7	593.5	834.6	1900.3	5103.2	7636.9	7799.6	7002.1	4117.3
80°	119.8	119.8	159.8	319.6	442.3	787.5	1933.1	3385.5	3562.4	3171.5	1518.0
82.5°	81.3	85.6	114.1	186.9	156.9	308.2	701.9	1071.4	1100.0	997.2	623.5
85°	45.7	47.1	58.5	75.6	65.6	114.1	144.1	146.9	155.5	121.3	92.7
87.5°	5.7	12.8	12.8	12.8	5.7	5.7	4.3	4.3	5.7	4.3	4.3
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: P553586

CATALOG NUMBER: VERD-G-CA2-150-760-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2968.9	2968.9	2968.9	2968.9	2968.9	2968.9	2968.9	2968.9	2968.9	2968.9	2968.9
2.5°	2966.0	2948.9	2986.0	2978.9	3004.5	3000.3	3021.7	3033.1	3057.3	3088.7	3085.9
5°	3028.8	3027.4	3071.6	3093.0	3115.8	3137.2	3138.7	3160.1	3181.5	3228.5	3227.1
7.5°	3088.7	3101.6	3164.3	3165.8	3174.3	3190.0	3168.6	3175.7	3181.5	3198.6	3204.3
10°	3158.6	3182.9	3184.3	3178.6	3151.5	3150.1	3101.6	3107.3	3081.6	3101.6	3091.6
12.5°	3248.5	3228.5	3217.1	3178.6	3137.2	3081.6	3035.9	2973.2	2958.9	2958.9	2963.2
15°	3337.0	3307.0	3208.6	3147.2	3071.6	2983.1	2909.0	2837.6	2802.0	2786.3	2783.4
17.5°	3414.0	3351.2	3211.4	3131.5	2988.9	2859.0	2747.8	2633.6	2578.0	2542.3	2536.6
20°	3476.8	3409.7	3220.0	3080.2	2899.0	2707.8	2539.5	2395.4	2285.5	2204.2	2212.8
22.5°	3582.3	3475.3	3214.3	3018.8	2794.8	2546.6	2292.6	2094.3	1910.3	1864.6	1877.5
25°	3709.3	3569.5	3247.1	2981.7	2673.6	2344.0	2010.2	1780.5	1583.6	1520.8	1525.1
27.5°	3856.3	3683.6	3284.2	2920.4	2548.0	2094.3	1692.0	1408.1	1251.2	1127.1	1117.1
30°	4090.2	3839.1	3324.1	2880.4	2372.5	1816.1	1345.3	1050.0	853.1	786.1	786.1
32.5°	4639.5	4154.4	3388.3	2784.8	2141.4	1505.1	981.5	687.7	513.6	453.7	455.1
35°	5337.1	4790.7	3533.8	2667.9	1868.9	1141.3	606.3	382.3	301.0	271.1	268.2
37.5°	6003.4	5375.7	3844.9	2530.9	1525.1	723.3	341.0	235.4	205.4	204.0	205.4
40°	6414.3	5837.9	4157.3	2348.3	1114.2	398.0	221.1	192.6	188.3	184.0	184.0
42.5°	6793.8	6156.0	4394.1	2068.7	664.8	241.1	194.0	175.5	172.6	165.5	165.5
45°	7101.9	6384.3	4412.7	1696.3	352.4	214.0	178.3	159.8	154.1	149.8	148.4
47.5°	7394.4	6606.9	4345.6	1299.7	251.1	198.3	166.9	146.9	139.8	142.7	141.2
50°	7591.3	6829.4	4163.0	1021.5	239.7	184.0	154.1	134.1	131.3	137.0	135.5
52.5°	7803.8	7012.0	3807.8	794.7	222.6	169.8	141.2	125.5	119.8	124.1	125.5
55°	7972.2	7009.2	3546.7	620.6	211.1	158.4	132.7	118.4	108.4	108.4	107.0
57.5°	8054.9	6942.1	3337.0	487.9	198.3	146.9	124.1	104.1	92.7	89.9	88.5
60°	8050.7	6876.5	3093.0	400.9	185.5	134.1	111.3	88.5	77.0	71.3	71.3
62.5°	8005.0	6722.4	2706.4	345.3	172.6	124.1	92.7	72.8	64.2	58.5	59.9
65°	7888.0	6425.7	2231.3	293.9	159.8	119.8	78.5	64.2	55.6	49.9	49.9
67.5°	7482.8	5927.8	1740.5	246.8	146.9	99.9	68.5	54.2	47.1	41.4	41.4
70°	6909.3	5168.8	1145.6	208.3	131.3	87.0	61.3	47.1	39.9	34.2	32.8
72.5°	5889.3	4130.2	582.1	178.3	112.7	77.0	54.2	41.4	34.2	28.5	27.1
75°	4516.8	2782.0	362.4	142.7	88.5	68.5	48.5	37.1	28.5	21.4	20.0
77.5°	2693.5	1119.9	256.8	99.9	59.9	54.2	39.9	30.0	22.8	15.7	15.7
80°	850.3	495.1	174.1	68.5	38.5	37.1	30.0	21.4	15.7	11.4	11.4
82.5°	480.8	313.9	117.0	45.7	27.1	24.3	17.1	12.8	10.0	8.6	8.6
85°	79.9	62.8	35.7	17.1	12.8	11.4	7.1	4.3	2.9	1.4	2.9
87.5°	4.3	4.3	5.7	5.7	5.7	4.3	2.9	0.0	0.0	0.0	0.0
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)