

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: P509620

Luminaire Tested: **VERD-G-CA2-130-760-U-T2-HSS**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509620  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/6/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-G-CA2-130-760-U-T2-HSS  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 5700K, 1200mA LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17152 lumens  
Efficiency: N/A  
Efficacy: 128.1 lumens/watt  
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

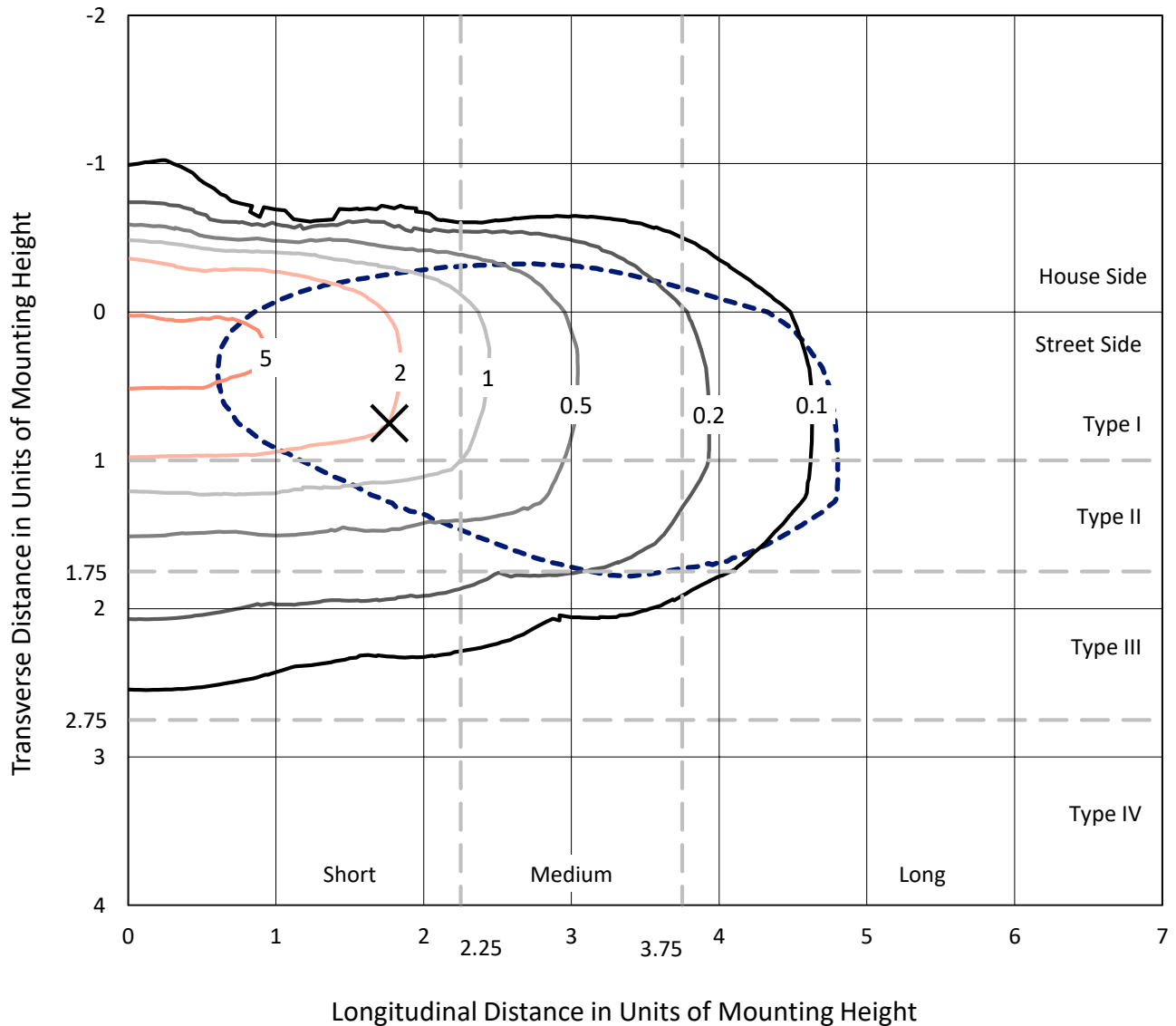
Input Watts (W): 133.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P509620  
 CATALOG NUMBER: VERD-G-CA2-130-760-U-T2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

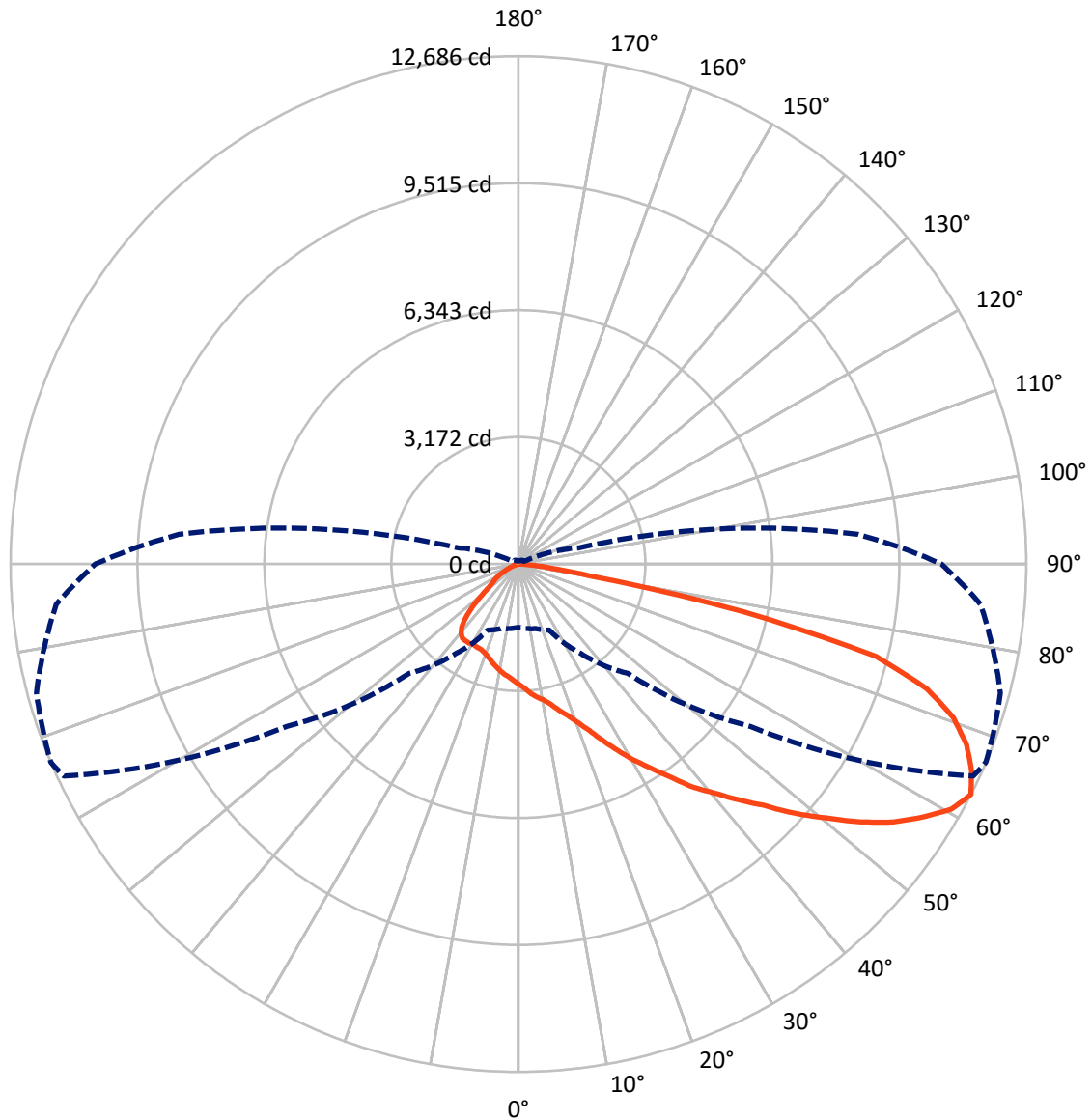
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc  
 Type II - Short - N/A

REPORT NUMBER: P509620  
CATALOG NUMBER: VERD-G-CA2-130-760-U-T2-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P509620

CATALOG NUMBER: VERD-G-CA2-130-760-U-T2-HSS

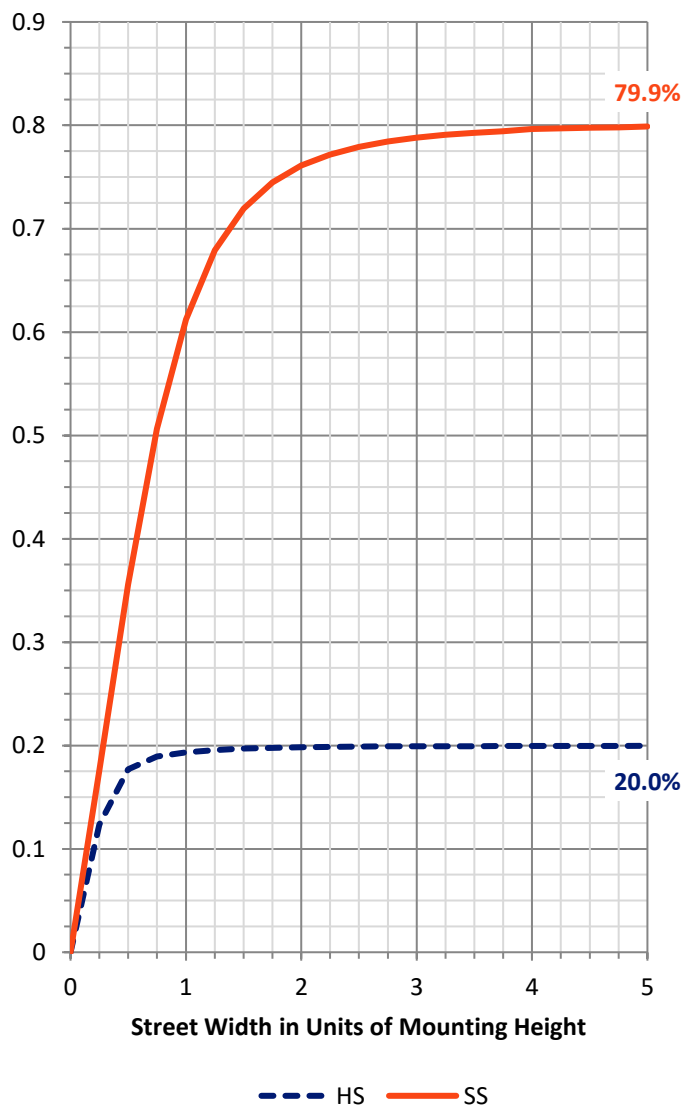
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3466.0	0.0	3466.0
	% Fixture	20.2	0.0	20.2
<b>Street Side</b>	Lumens	13686.0	0.0	13686.0
	% Fixture	79.8	0.0	79.8
<b>Total</b>	Lumens	17152.0	0.0	17152.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	291.2	1.7
10°-20°	878.3	5.1
20°-30°	1498.1	8.7
30°-40°	2194.7	12.8
40°-50°	2896.4	16.9
50°-60°	3408.5	19.9
60°-70°	3505.7	20.4
70°-80°	2271.3	13.2
80°-90°	207.9	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°	17152.0	100.0
0°-180°	17152.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P509620

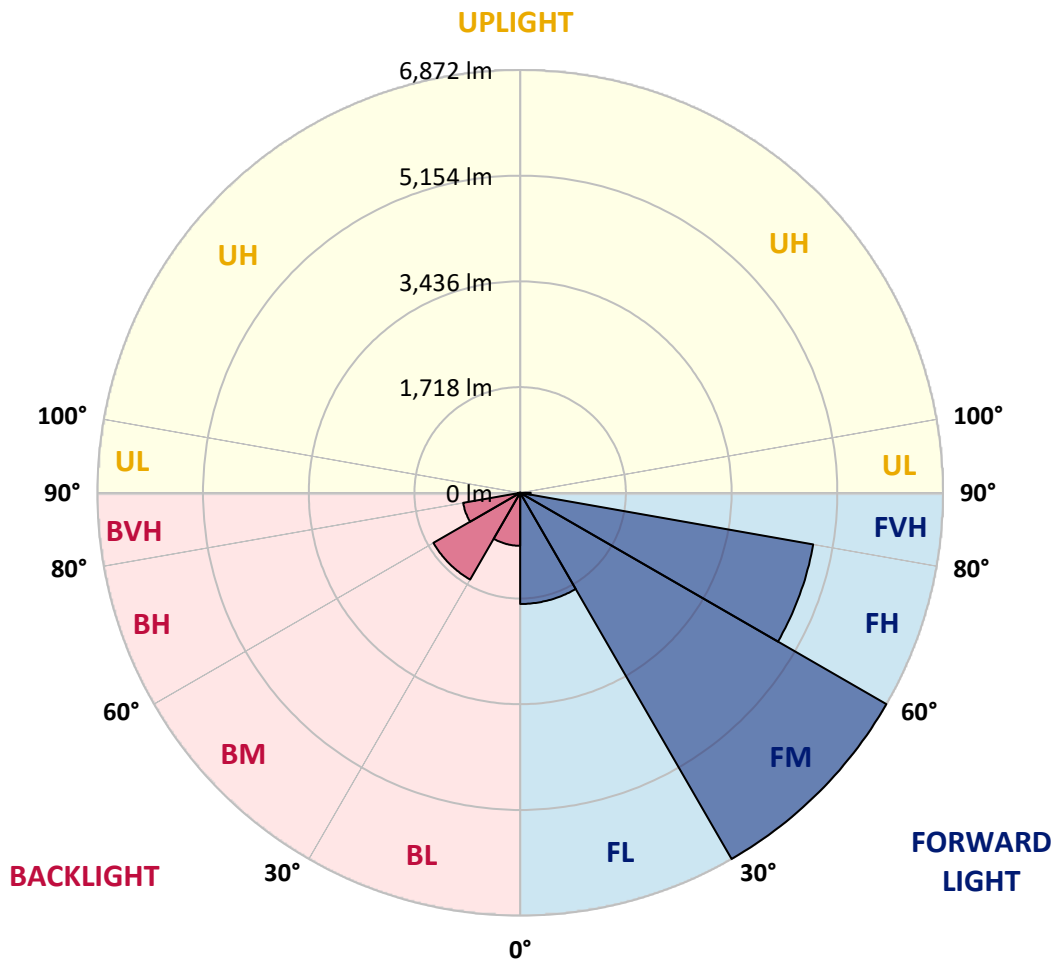
CATALOG NUMBER: VERD-G-CA2-130-760-U-T2-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1806.1	10.5			
FM (30°-60°)	6872.0	40.1			
FH (60°-80°)	4835.9	28.2			G2/5000
FVH (80°-90°)	171.9	1.0			G2/225
BL (0°-30°)	861.4	5.0	B2/1000		
BM (30°-60°)	1627.6	9.5	B2/2500		
BH (60°-80°)	941.0	5.5	B2/1000		G2/1000
BVH (80°-90°)	36.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Short





REPORT NUMBER: P509620

CATALOG NUMBER: VERD-G-CA2-130-760-U-T2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3013.7	3013.7	3013.7	3013.7	3013.7	3013.7	3013.7	3013.7	3013.7	3013.7	3013.7
2.5°	3342.4	3338.7	3302.9	3269.5	3247.3	3246.0	3188.0	3136.1	3112.6	3085.4	3024.9
5°	3515.4	3545.1	3505.5	3456.1	3416.5	3386.9	3336.2	3276.9	3252.2	3188.0	3096.5
7.5°	3766.2	3766.2	3729.2	3687.2	3641.4	3562.4	3475.9	3372.1	3359.7	3288.0	3168.2
10°	3887.3	3917.0	3868.8	3819.4	3768.7	3727.9	3610.5	3483.3	3452.4	3344.9	3196.6
12.5°	4056.6	4056.6	4030.7	3988.7	3930.6	3849.0	3773.6	3645.1	3593.2	3432.6	3247.3
15°	4216.0	4202.4	4180.2	4111.0	4081.3	4030.7	3931.8	3797.1	3787.2	3609.3	3325.1
17.5°	4340.8	4318.6	4297.6	4260.5	4224.7	4204.9	4134.5	4017.1	3976.3	3813.2	3472.2
20°	4405.1	4423.6	4372.9	4371.7	4382.8	4368.0	4321.0	4233.3	4216.0	4022.0	3621.7
22.5°	4478.0	4502.7	4490.3	4502.7	4536.0	4560.8	4558.3	4539.7	4512.6	4301.3	3862.6
25°	4494.0	4478.0	4529.9	4644.8	4728.8	4788.1	4904.3	4880.8	4873.4	4686.8	4190.1
27.5°	4444.6	4459.4	4541.0	4706.6	4922.8	5084.7	5179.8	5297.2	5271.2	5126.7	4584.2
30°	4414.9	4440.9	4548.4	4742.4	5032.8	5325.6	5513.4	5659.2	5681.5	5566.6	4972.2
32.5°	4312.4	4347.0	4458.2	4770.8	5140.3	5583.9	5817.4	6089.2	6079.4	6032.4	5444.2
35°	4154.2	4199.9	4370.5	4733.7	5261.4	5816.2	6126.3	6521.7	6529.1	6548.9	5892.8
37.5°	4027.0	4041.8	4235.8	4623.8	5309.6	6004.0	6414.2	6949.2	7069.1	7040.7	6401.9
40°	3823.1	3867.6	4077.6	4489.1	5304.6	6131.3	6707.1	7449.7	7513.9	7602.9	6934.4
42.5°	3572.2	3620.4	3821.8	4306.2	5235.4	6242.5	6988.8	7960.0	8050.2	8189.8	7422.5
45°	3331.3	3352.3	3541.3	4039.3	5100.7	6330.2	7263.1	8462.9	8601.3	8801.5	7914.3
47.5°	3031.0	3087.9	3299.2	3760.1	4802.9	6362.3	7465.7	9056.0	9310.6	9432.9	8475.3
50°	2331.7	2367.5	2960.6	3514.2	4479.2	6262.2	7728.9	9808.5	9969.2	10096.4	9043.7
52.5°	2054.9	2087.0	2316.8	3230.0	4118.4	6002.7	7889.6	10507.9	10701.9	10674.7	9614.5
55°	1938.7	1954.8	2053.6	2635.6	3789.7	5520.8	8002.0	11271.5	11376.6	11201.1	10180.4
57.5°	1804.0	1822.6	1896.7	2209.3	3419.0	4910.4	7908.1	11883.2	11922.7	11705.2	10684.6
60°	1684.2	1696.5	1807.7	1977.0	3016.2	4318.6	7670.9	12323.1	12433.0	12075.9	11228.3
62.5°	1581.6	1611.3	1669.4	1818.9	2734.5	3860.1	7070.3	12530.6	12686.3	12463.9	11589.1
65°	1480.3	1493.9	1560.6	1692.8	2431.7	3589.5	6726.8	12257.6	12439.2	12515.8	11811.5
67.5°	1341.9	1361.7	1427.2	1522.3	2028.9	3326.3	5924.9	11814.0	12073.5	12242.7	11679.3
70°	1180.0	1197.3	1264.1	1343.1	1694.1	2938.4	5000.6	11361.7	11532.2	11543.4	11088.6
72.5°	992.2	1008.3	1075.0	1154.1	1406.2	2446.6	3919.5	10290.4	10672.2	10914.4	10097.7
75°	631.4	700.6	866.2	955.2	1157.8	1979.5	2796.3	8215.8	9219.1	9911.1	8738.5
77.5°	102.6	114.9	339.8	484.4	673.4	1341.9	1553.2	4552.1	5726.0	8282.5	7055.5
80°	77.8	87.7	123.6	328.7	432.5	835.3	611.6	1477.8	1781.8	3872.5	3952.8
82.5°	33.4	39.5	74.1	184.1	203.9	222.4	164.3	661.1	782.2	1177.6	1371.6
85°	11.1	14.8	34.6	58.1	64.3	49.4	35.8	262.0	322.5	564.7	522.7
87.5°	0.0	1.2	7.4	8.6	7.4	4.9	3.7	2.5	2.5	3.7	3.7
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: P509620

CATALOG NUMBER: VERD-G-CA2-130-760-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3013.7	3013.7	3013.7	3013.7	3013.7	3013.7	3013.7	3013.7	3013.7	3013.7	3013.7
2.5°	3012.5	2970.5	2965.5	2914.9	2869.2	2817.3	2785.1	2774.0	2788.8	2803.7	2818.5
5°	3049.6	2985.3	2921.1	2816.0	2769.1	2712.2	2636.9	2591.1	2570.1	2588.7	2594.8
7.5°	3076.7	2994.0	2895.1	2751.8	2650.5	2541.7	2470.0	2393.4	2351.4	2358.8	2365.0
10°	3081.7	2990.3	2822.2	2683.8	2520.7	2371.2	2277.3	2241.5	2213.0	2188.3	2192.0
12.5°	3127.4	2992.7	2760.4	2592.4	2420.6	2227.9	2122.8	2077.1	2072.2	2021.5	2016.6
15°	3189.2	3047.1	2728.3	2509.6	2289.6	2108.0	1983.2	1901.7	1904.1	1878.2	1874.5
17.5°	3289.3	3100.2	2704.8	2413.2	2152.5	1985.7	1827.5	1753.4	1729.9	1722.5	1716.3
20°	3401.7	3178.1	2676.4	2327.9	2032.6	1838.6	1661.9	1586.6	1521.1	1501.3	1503.8
22.5°	3567.3	3280.6	2699.9	2263.7	1899.2	1695.3	1519.8	1372.8	1260.4	1230.7	1227.0
25°	3860.1	3483.3	2770.3	2208.1	1816.4	1555.7	1319.7	1113.3	965.0	932.9	935.4
27.5°	4186.4	3750.2	2867.9	2184.6	1711.4	1401.2	1076.2	846.4	708.0	671.0	673.4
30°	4573.1	4067.7	3016.2	2119.1	1598.9	1176.3	801.9	620.3	512.8	469.5	472.0
32.5°	4945.0	4385.3	3206.5	2109.2	1458.1	883.5	579.5	451.0	363.3	331.2	334.9
35°	5355.3	4748.6	3406.7	2059.8	1227.0	633.9	406.5	312.6	265.7	255.8	254.5
37.5°	5819.9	5072.3	3554.9	2014.1	918.1	446.1	278.0	241.0	234.8	221.2	221.2
40°	6251.1	5409.6	3666.1	1893.0	642.5	302.7	217.5	218.7	212.5	194.0	190.3
42.5°	6649.0	5758.1	3768.7	1699.0	434.9	206.4	195.2	198.9	201.4	180.4	175.5
45°	7100.0	6188.1	3746.5	1407.4	276.8	186.6	175.5	186.6	198.9	177.9	173.0
47.5°	7594.3	6503.2	3793.4	1015.7	195.2	176.7	163.1	177.9	187.8	174.2	166.8
50°	8152.8	6915.9	3651.3	590.6	179.2	166.8	156.9	163.1	177.9	170.5	161.9
52.5°	8664.3	7284.1	3457.3	289.1	169.3	156.9	147.0	152.0	166.8	158.2	160.6
55°	9095.6	7667.2	3063.2	206.4	163.1	145.8	142.1	143.3	152.0	140.9	148.3
57.5°	9624.4	7982.2	2662.8	192.8	158.2	138.4	139.6	129.7	132.2	126.0	118.6
60°	10095.2	8280.0	2119.1	177.9	150.7	142.1	126.0	112.4	105.0	101.3	100.1
62.5°	10566.0	8506.2	1561.9	161.9	143.3	128.5	111.2	96.4	84.0	79.1	77.8
65°	10743.9	8627.2	1066.4	148.3	134.7	117.4	98.9	77.8	64.3	59.3	55.6
67.5°	10611.7	8247.9	617.8	133.4	129.7	107.5	86.5	63.0	49.4	45.7	43.2
70°	9998.8	7652.3	329.9	121.1	113.7	95.1	76.6	51.9	39.5	34.6	33.4
72.5°	8944.8	6581.0	173.0	101.3	95.1	77.8	60.5	43.2	32.1	25.9	24.7
75°	7595.5	5166.2	121.1	74.1	65.5	60.5	45.7	34.6	25.9	19.8	18.5
77.5°	5995.3	3357.2	91.4	48.2	38.3	39.5	33.4	28.4	21.0	14.8	14.8
80°	3096.5	1744.7	69.2	32.1	22.2	23.5	23.5	21.0	16.1	11.1	11.1
82.5°	1228.2	642.5	48.2	18.5	13.6	14.8	13.6	13.6	11.1	7.4	7.4
85°	405.3	140.9	17.3	11.1	8.6	8.6	7.4	6.2	3.7	2.5	2.5
87.5°	3.7	3.7	4.9	6.2	6.2	4.9	3.7	1.2	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)