

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: P509526

Luminaire Tested: **VERD-G-CA2-110-760-U-T3-HSS**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509526  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/6/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-G-CA2-110-760-U-T3-HSS  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 5700K, 1020mA LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15147 lumens  
Efficiency: N/A  
Efficacy: 133.8 lumens/watt  
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

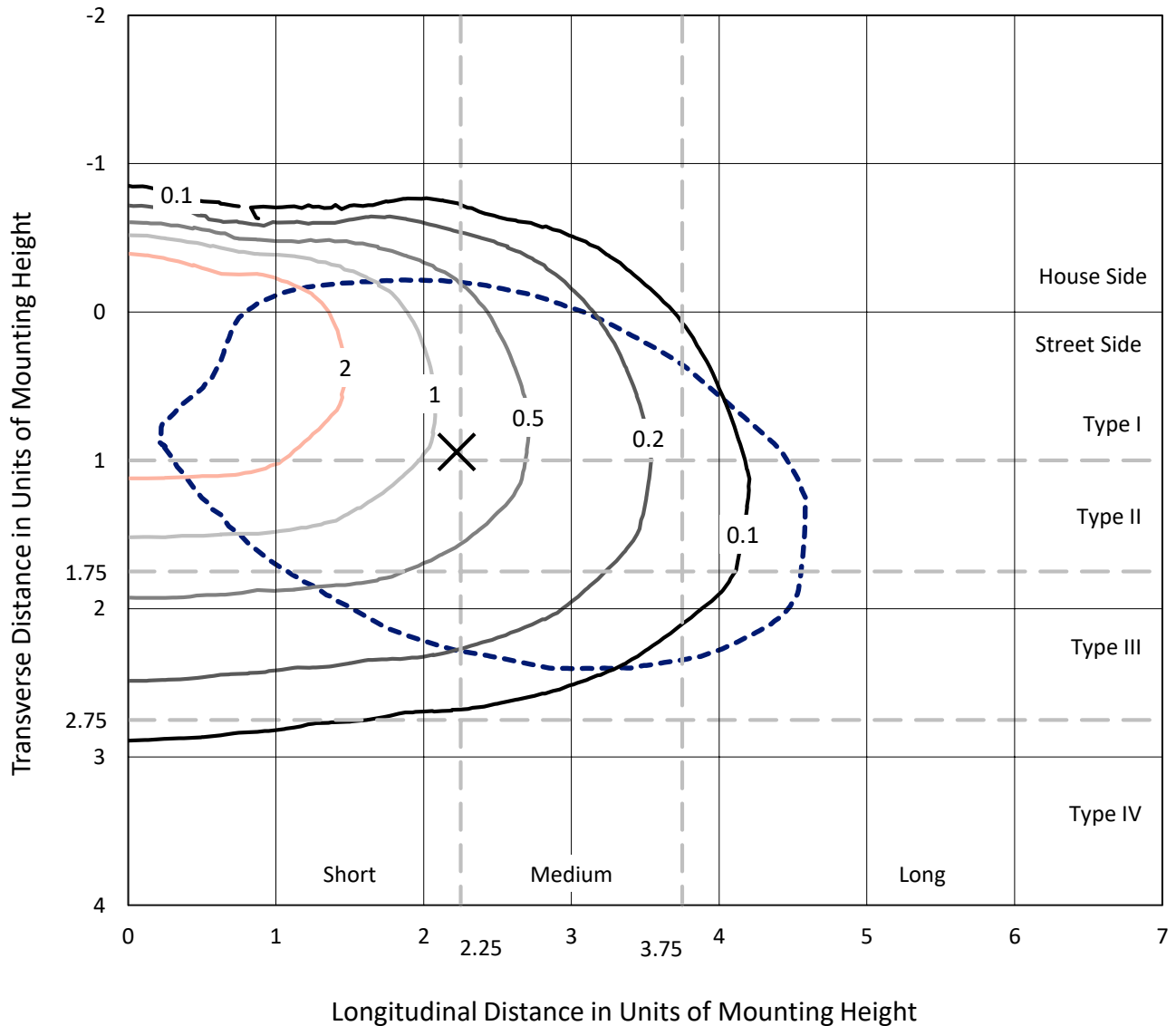
Input Watts (W): 113.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P509526  
 CATALOG NUMBER: VERD-G-CA2-110-760-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

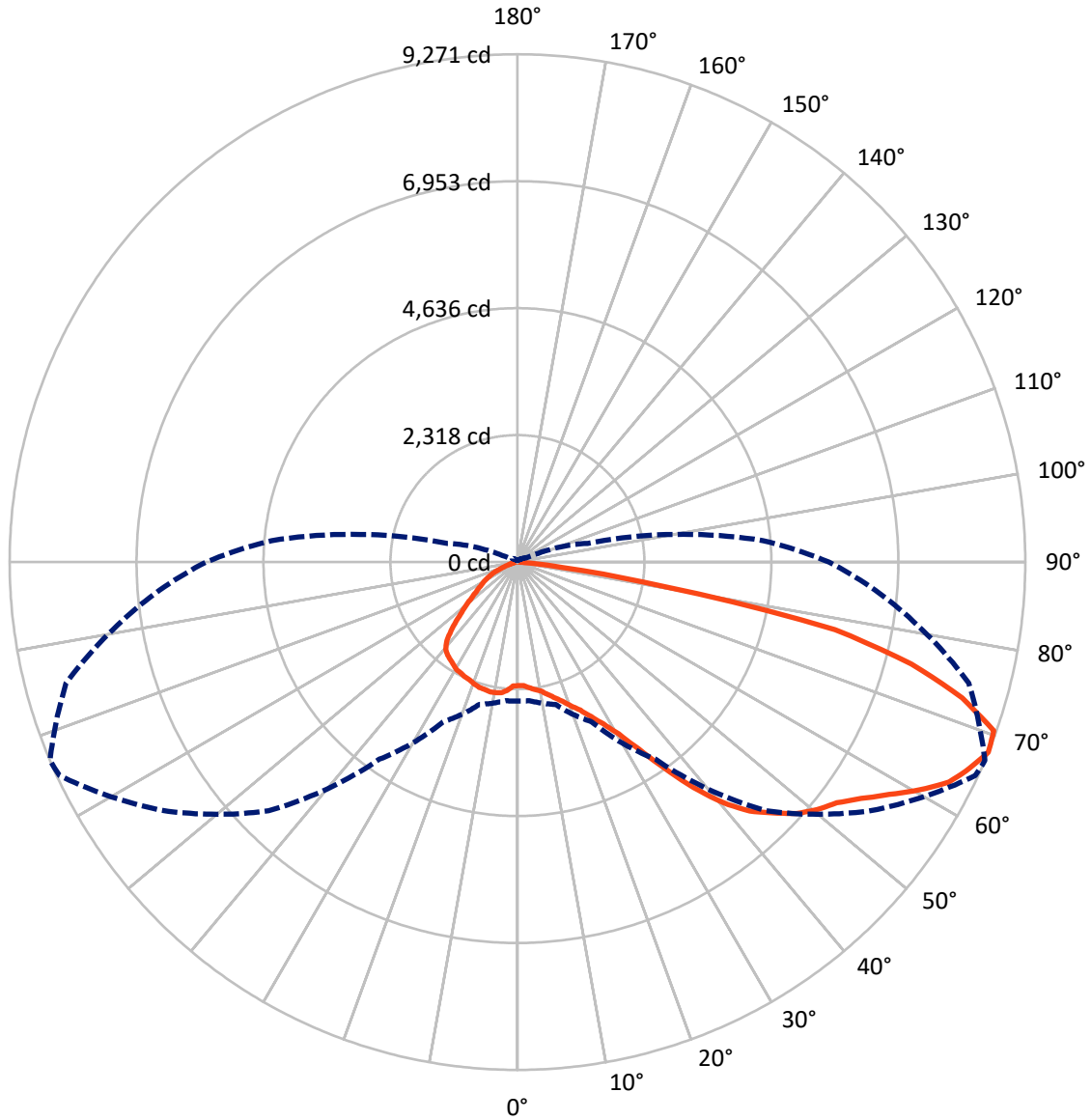
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc  
 Type III - Short - N/A

REPORT NUMBER: P509526  
CATALOG NUMBER: VERD-G-CA2-110-760-U-T3-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P509526

CATALOG NUMBER: VERD-G-CA2-110-760-U-T3-HSS

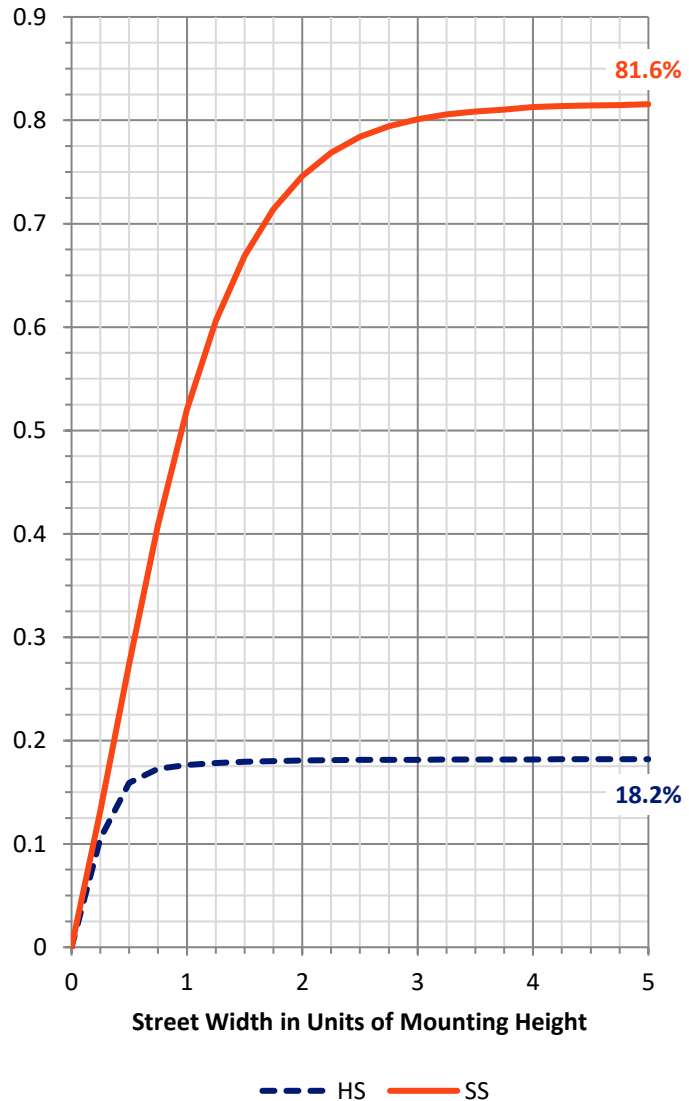
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2788.0	0.0	2788.0
	% Fixture	18.4	0.0	18.4
<b>Street Side</b>	Lumens	12359.0	0.0	12359.0
	% Fixture	81.6	0.0	81.6
<b>Total</b>	Lumens	15147.0	0.0	15147.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	226.8	1.5
10°-20°	709.0	4.7
20°-30°	1208.8	8.0
30°-40°	1843.7	12.2
40°-50°	2599.0	17.2
50°-60°	3141.5	20.7
60°-70°	3308.6	21.8
70°-80°	1968.2	13.0
80°-90°	141.5	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°	15147.0	100.0
0°-180°	15147.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P509526

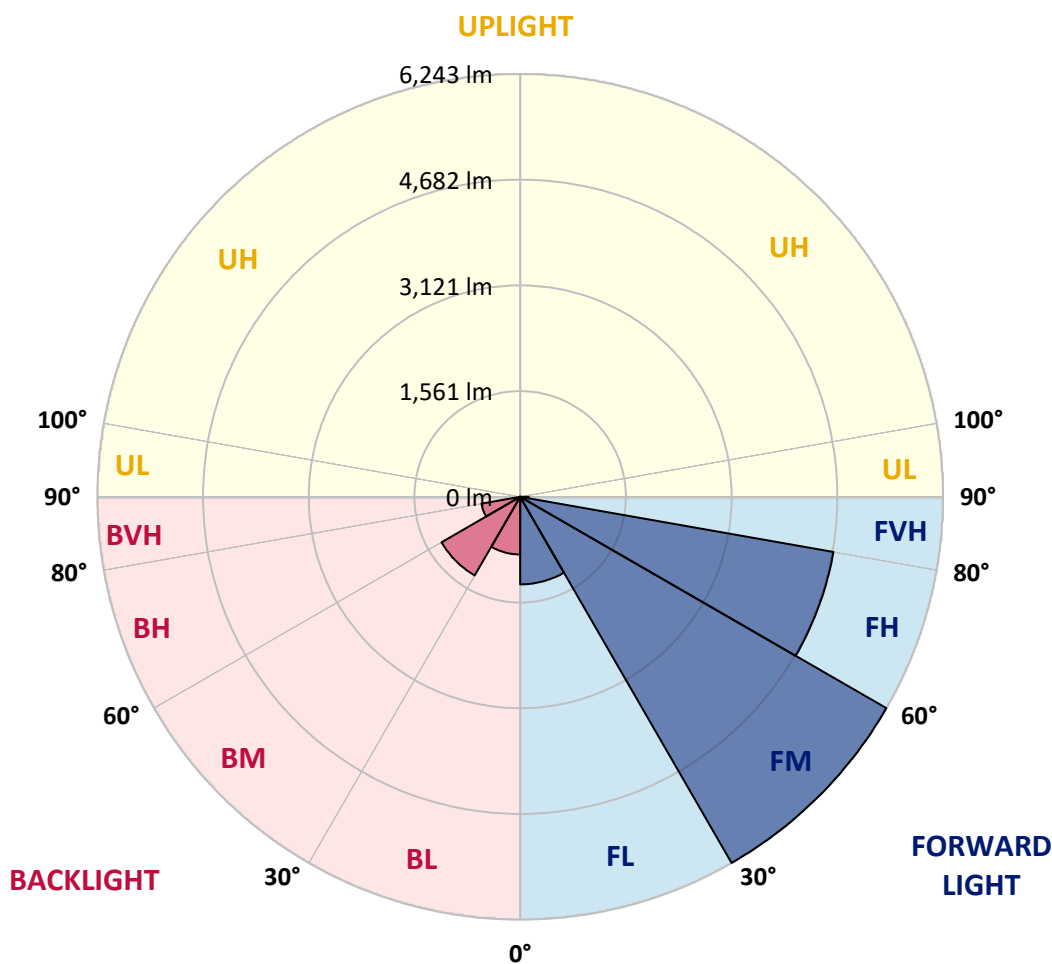
CATALOG NUMBER: VERD-G-CA2-110-760-U-T3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1293.1	8.5			
FM (30°-60°)	6242.9	41.2			
FH (60°-80°)	4696.3	31.0			G2/5000
FVH (80°-90°)	126.6	0.8			G2/225
BL (0°-30°)	851.4	5.6	B2/1000		
BM (30°-60°)	1341.3	8.9	B2/2500		
BH (60°-80°)	580.4	3.8	B2/1000		G2/1000
BVH (80°-90°)	14.9	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-G2**

Type III Short





REPORT NUMBER: P509526

CATALOG NUMBER: VERD-G-CA2-110-760-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2254.9	2254.9	2254.9	2254.9	2254.9	2254.9	2254.9	2254.9	2254.9	2254.9	2254.9
2.5°	2302.6	2311.3	2293.9	2289.6	2266.8	2270.1	2265.7	2254.9	2259.2	2250.6	2256.0
5°	2391.4	2368.7	2362.2	2349.2	2328.6	2316.7	2299.3	2293.9	2305.8	2296.1	2298.3
7.5°	2485.7	2490.0	2460.8	2435.9	2399.0	2390.4	2360.0	2341.6	2353.5	2340.5	2348.1
10°	2603.8	2610.3	2578.9	2545.3	2513.9	2468.4	2430.4	2401.2	2397.9	2391.4	2402.3
12.5°	2758.8	2757.7	2723.0	2681.8	2620.1	2588.6	2516.1	2474.9	2480.3	2456.5	2454.3
15°	2938.6	2923.5	2883.4	2841.1	2764.2	2702.4	2614.7	2563.7	2572.4	2545.3	2538.8
17.5°	3114.2	3099.0	3067.6	3021.0	2950.6	2855.2	2747.9	2674.3	2672.1	2659.1	2620.1
20°	3294.1	3300.6	3258.3	3216.0	3145.6	3017.7	2896.4	2801.0	2803.2	2780.4	2704.6
22.5°	3504.3	3492.3	3441.4	3421.9	3341.7	3202.0	3066.5	2957.1	2935.4	2931.1	2799.9
25°	3704.7	3697.1	3650.5	3627.8	3560.6	3432.8	3257.2	3126.1	3122.8	3108.8	2923.5
27.5°	3864.0	3872.7	3868.3	3852.1	3778.4	3652.7	3498.8	3341.7	3343.9	3323.3	3083.8
30°	4090.5	4064.5	4054.7	4067.7	4061.2	3925.8	3762.2	3648.4	3640.8	3587.7	3286.5
32.5°	4222.7	4235.7	4248.7	4294.2	4295.3	4194.5	4088.3	4034.1	4064.5	4073.1	3790.3
35°	4344.0	4344.0	4418.8	4533.7	4573.8	4539.1	4493.6	4561.8	4621.4	4741.7	4410.1
37.5°	4452.4	4483.8	4554.2	4698.4	4829.5	4863.1	4962.8	5150.2	5222.8	5332.2	4932.4
40°	4543.4	4566.2	4656.1	4832.7	5058.1	5212.0	5398.3	5696.3	5772.2	5751.6	5222.8
42.5°	4442.6	4479.5	4623.6	4986.6	5270.5	5559.8	5803.6	6125.4	6217.5	6026.8	5528.4
45°	4388.5	4402.5	4553.2	4964.9	5426.5	5912.0	6188.3	6532.8	6532.8	6319.4	5744.0
47.5°	4280.1	4305.0	4483.8	4936.7	5592.3	6205.6	6485.2	6836.2	6859.0	6595.7	5958.6
50°	4170.7	4202.1	4404.7	4886.9	5685.5	6500.3	6737.6	7089.8	7098.5	6785.3	6148.2
52.5°	4062.3	4078.6	4305.0	4854.4	5788.4	6652.0	6955.4	7295.7	7300.0	7069.2	6357.3
55°	3868.3	3908.4	4142.5	4735.2	5783.0	6721.4	7069.2	7570.9	7613.2	7378.0	6563.2
57.5°	3686.3	3698.2	3953.9	4562.9	5695.2	6801.6	7314.1	7965.3	8006.5	7658.7	6716.0
60°	3443.6	3456.6	3731.8	4358.1	5565.2	6881.8	7625.1	8425.8	8444.3	7953.4	6830.8
62.5°	3190.0	3234.5	3460.9	4043.9	5295.4	6895.8	7888.4	8850.6	8843.0	8209.1	6906.7
65°	2892.0	2908.3	3126.1	3676.6	4882.6	6788.6	7996.7	9056.5	9074.9	8389.0	6856.8
67.5°	2534.5	2541.0	2690.5	3219.3	4393.9	6419.1	7906.8	9224.4	9271.0	8529.9	6648.8
70°	2002.4	2012.2	2149.8	2652.6	3700.4	5853.4	7755.1	9243.9	9224.4	8403.1	6332.4
72.5°	1395.6	1381.6	1515.9	1860.5	2802.1	4814.3	7022.6	8457.3	8491.9	7774.6	5670.3
75°	668.6	672.9	939.5	1144.3	1573.3	3439.3	5844.8	7282.7	7427.9	6775.6	4619.3
77.5°	113.8	115.9	248.1	450.8	633.9	1443.3	3875.9	5800.4	5923.9	5318.2	3127.2
80°	91.0	91.0	121.4	242.7	335.9	598.1	1468.2	2571.3	2705.7	2408.8	1152.9
82.5°	61.8	65.0	86.7	141.9	119.2	234.1	533.1	813.8	835.4	757.4	473.5
85°	34.7	35.8	44.4	57.4	49.8	86.7	109.4	111.6	118.1	92.1	70.4
87.5°	4.3	9.8	9.8	9.8	4.3	4.3	3.3	3.3	4.3	3.3	3.3
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: P509526

CATALOG NUMBER: VERD-G-CA2-110-760-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2254.9	2254.9	2254.9	2254.9	2254.9	2254.9	2254.9	2254.9	2254.9	2254.9	2254.9
2.5°	2252.7	2239.7	2267.9	2262.5	2282.0	2278.7	2295.0	2303.7	2322.1	2345.9	2343.8
5°	2300.4	2299.3	2332.9	2349.2	2366.5	2382.8	2383.9	2400.1	2416.4	2452.1	2451.0
7.5°	2345.9	2355.7	2403.4	2404.4	2410.9	2422.9	2406.6	2412.0	2416.4	2429.4	2433.7
10°	2399.0	2417.4	2418.5	2414.2	2393.6	2392.5	2355.7	2360.0	2340.5	2355.7	2348.1
12.5°	2467.3	2452.1	2443.5	2414.2	2382.8	2340.5	2305.8	2258.2	2247.3	2247.3	2250.6
15°	2534.5	2511.7	2436.9	2390.4	2332.9	2265.7	2209.4	2155.2	2128.1	2116.2	2114.0
17.5°	2593.0	2545.3	2439.1	2378.4	2270.1	2171.5	2087.0	2000.3	1958.0	1930.9	1926.6
20°	2640.7	2589.7	2445.6	2339.4	2201.8	2056.6	1928.8	1819.3	1735.9	1674.1	1680.6
22.5°	2720.8	2639.6	2441.3	2292.8	2122.7	1934.2	1741.3	1590.7	1450.9	1416.2	1426.0
25°	2817.3	2711.1	2466.2	2264.7	2030.6	1780.3	1526.8	1352.3	1202.8	1155.1	1158.3
27.5°	2928.9	2797.8	2494.4	2218.1	1935.3	1590.7	1285.1	1069.5	950.3	856.0	848.4
30°	3106.6	2915.9	2524.7	2187.7	1802.0	1379.4	1021.8	797.5	648.0	597.0	597.0
32.5°	3523.8	3155.4	2573.5	2115.1	1626.4	1143.2	745.5	522.3	390.1	344.6	345.7
35°	4053.6	3638.6	2684.0	2026.3	1419.5	866.9	460.5	290.4	228.6	205.9	203.7
37.5°	4559.7	4082.9	2920.2	1922.3	1158.3	549.4	259.0	178.8	156.0	155.0	156.0
40°	4871.7	4434.0	3157.5	1783.6	846.3	302.3	168.0	146.3	143.0	139.8	139.8
42.5°	5160.0	4675.6	3337.4	1571.2	504.9	183.1	147.4	133.3	131.1	125.7	125.7
45°	5394.0	4849.0	3351.5	1288.4	267.6	162.5	135.4	121.4	117.0	113.8	112.7
47.5°	5616.1	5018.0	3300.6	987.1	190.7	150.6	126.8	111.6	106.2	108.4	107.3
50°	5765.7	5187.1	3161.9	775.8	182.0	139.8	117.0	101.9	99.7	104.0	102.9
52.5°	5927.1	5325.7	2892.0	603.5	169.0	128.9	107.3	95.4	91.0	94.3	95.4
55°	6055.0	5323.6	2693.8	471.4	160.4	120.3	100.8	89.9	82.4	82.4	81.3
57.5°	6117.8	5272.7	2534.5	370.6	150.6	111.6	94.3	79.1	70.4	68.3	67.2
60°	6114.6	5222.8	2349.2	304.5	140.9	101.9	84.5	67.2	58.5	54.2	54.2
62.5°	6079.9	5105.8	2055.5	262.2	131.1	94.3	70.4	55.3	48.8	44.4	45.5
65°	5991.1	4880.4	1694.7	223.2	121.4	91.0	59.6	48.8	42.3	37.9	37.9
67.5°	5683.3	4502.2	1322.0	187.5	111.6	75.8	52.0	41.2	35.8	31.4	31.4
70°	5247.7	3925.8	870.1	158.2	99.7	66.1	46.6	35.8	30.3	26.0	24.9
72.5°	4473.0	3136.9	442.1	135.4	85.6	58.5	41.2	31.4	26.0	21.7	20.6
75°	3430.6	2113.0	275.2	108.4	67.2	52.0	36.8	28.2	21.7	16.3	15.2
77.5°	2045.8	850.6	195.0	75.8	45.5	41.2	30.3	22.8	17.3	11.9	11.9
80°	645.8	376.0	132.2	52.0	29.3	28.2	22.8	16.3	11.9	8.7	8.7
82.5°	365.2	238.4	88.9	34.7	20.6	18.4	13.0	9.8	7.6	6.5	6.5
85°	60.7	47.7	27.1	13.0	9.8	8.7	5.4	3.3	2.2	1.1	2.2
87.5°	3.3	3.3	4.3	4.3	4.3	3.3	2.2	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)