

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: P553634

Luminaire Tested: **VERD-G-CA2-160-760-U-T3-HSS**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553634  
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-CA2-160-760-U-T3-HSS  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 5700K, 1460mA LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20967 lumens  
Efficiency: N/A  
Efficacy: 128.9 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

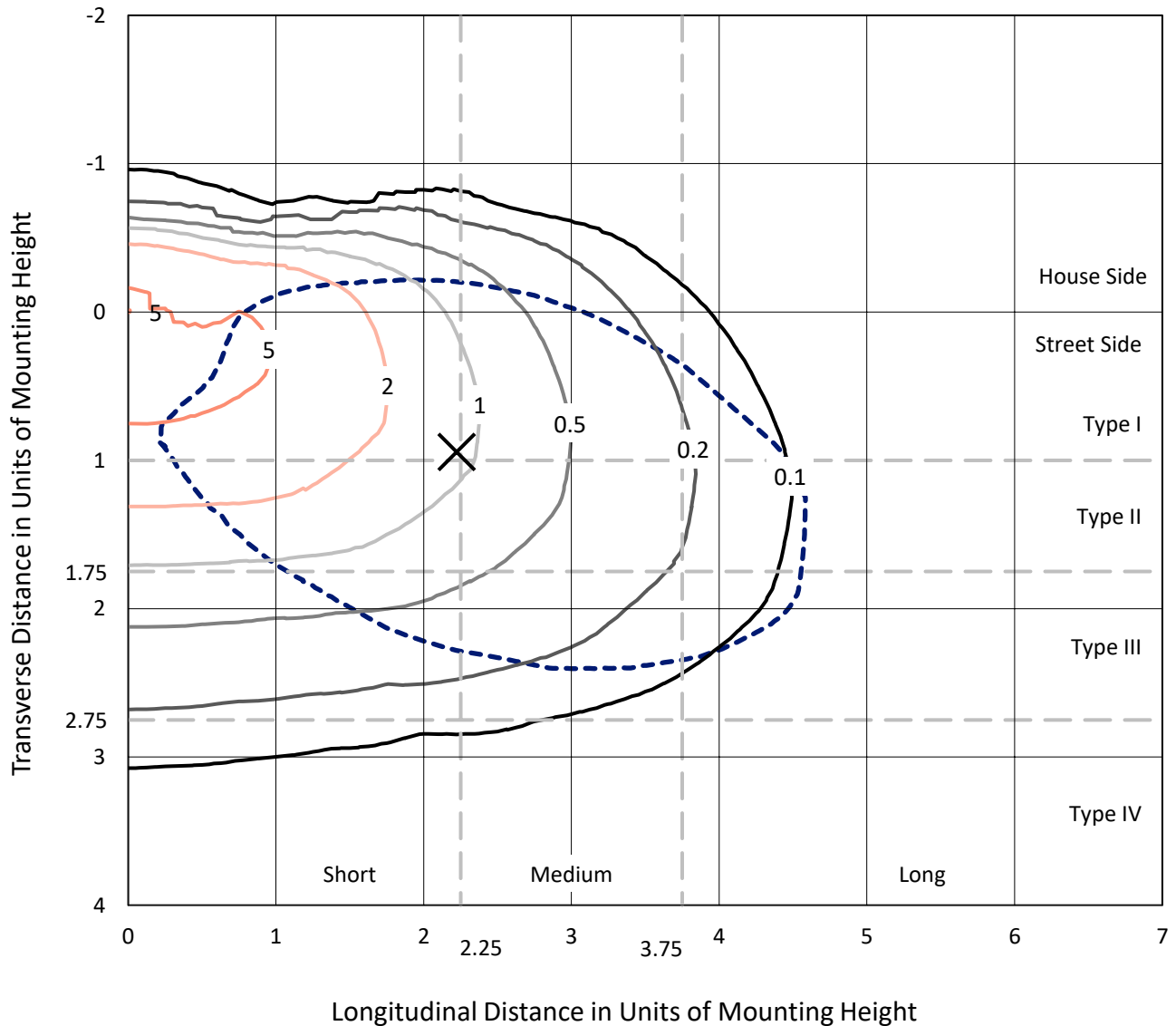
Input Watts (W): 162.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P553634  
 CATALOG NUMBER: VERD-G-CA2-160-760-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

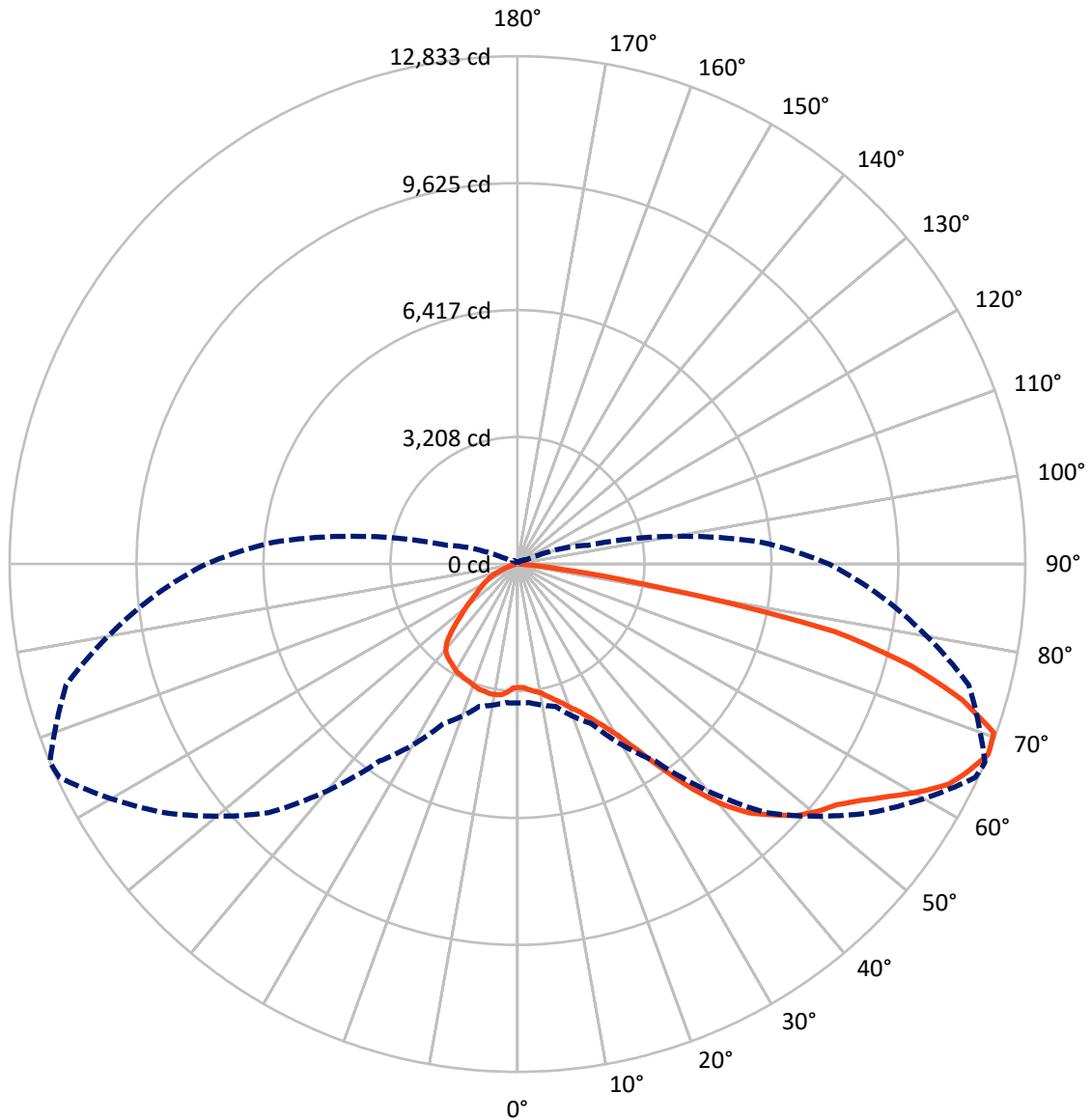
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P553634  
CATALOG NUMBER: VERD-G-CA2-160-760-U-T3-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P553634

CATALOG NUMBER: VERD-G-CA2-160-760-U-T3-HSS

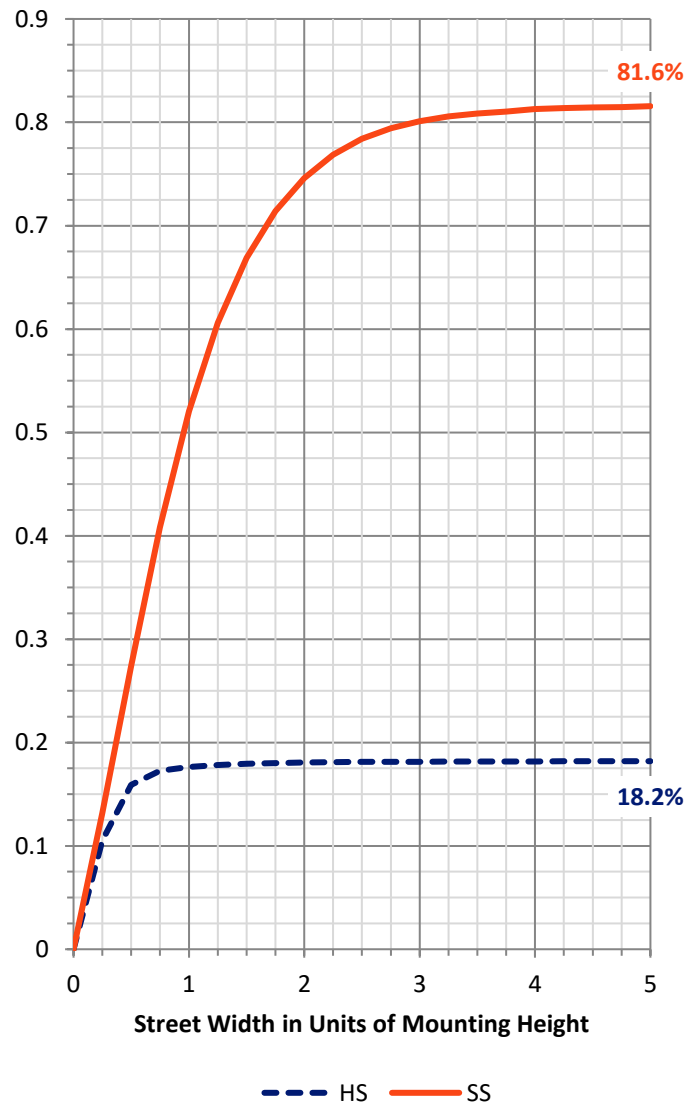
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3859.2	0.0	3859.2
	% Fixture	18.4	0.0	18.4
<b>Street Side</b>	Lumens	17107.8	0.0	17107.8
	% Fixture	81.6	0.0	81.6
<b>Total</b>	Lumens	20967.0	0.0	20967.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	313.9	1.5
10°-20°	981.4	4.7
20°-30°	1673.2	8.0
30°-40°	2552.1	12.2
40°-50°	3597.7	17.2
50°-60°	4348.6	20.7
60°-70°	4579.9	21.8
70°-80°	2724.4	13.0
80°-90°	195.9	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°	20967.0	100.0
0°-180°	20967.0	100.0



REPORT NUMBER: P553634

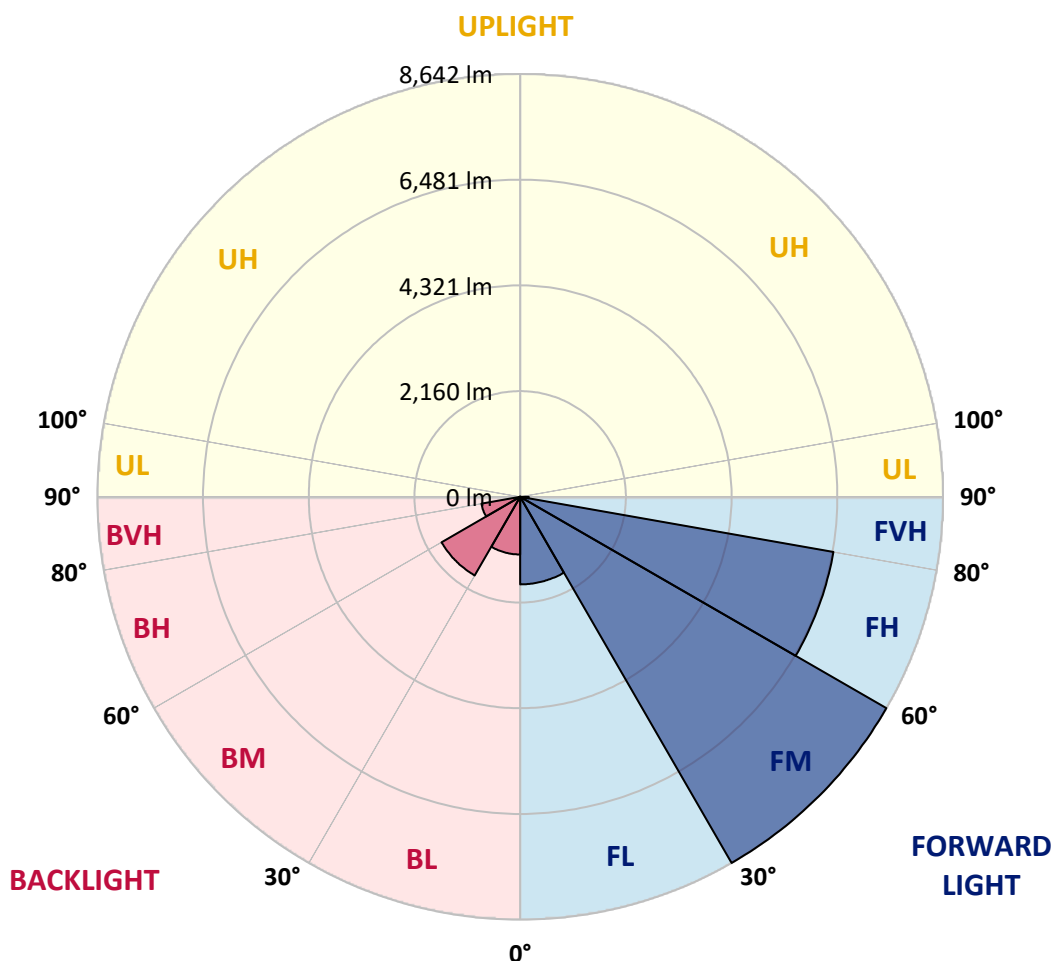
CATALOG NUMBER: VERD-G-CA2-160-760-U-T3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1790.0	8.5			
FM (30°-60°)	8641.6	41.2			
FH (60°-80°)	6500.8	31.0			G3/7500
FVH (80°-90°)	175.3	0.8			G2/225
BL (0°-30°)	1178.6	5.6	B3/2500		
BM (30°-60°)	1856.7	8.9	B2/2500		
BH (60°-80°)	803.4	3.8	B2/1000		G2/1000
BVH (80°-90°)	20.6	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: P553634

CATALOG NUMBER: VERD-G-CA2-160-760-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3121.3	3121.3	3121.3	3121.3	3121.3	3121.3	3121.3	3121.3	3121.3	3121.3	3121.3
2.5°	3187.3	3199.3	3175.3	3169.3	3137.8	3142.3	3136.3	3121.3	3127.3	3115.3	3122.8
5°	3310.3	3278.8	3269.8	3251.8	3223.3	3206.8	3182.8	3175.3	3191.8	3178.3	3181.3
7.5°	3440.8	3446.8	3406.3	3371.8	3320.8	3308.8	3266.8	3241.3	3257.8	3239.8	3250.3
10°	3604.3	3613.3	3569.8	3523.3	3479.8	3416.8	3364.3	3323.8	3319.3	3310.3	3325.3
12.5°	3818.8	3817.3	3769.3	3712.3	3626.8	3583.3	3482.8	3425.8	3433.3	3400.3	3397.3
15°	4067.8	4046.8	3991.3	3932.8	3826.3	3740.8	3619.3	3548.8	3560.8	3523.3	3514.3
17.5°	4310.8	4289.8	4246.3	4181.8	4084.3	3952.3	3803.8	3701.8	3698.8	3680.8	3626.8
20°	4559.7	4568.7	4510.2	4451.7	4354.3	4177.3	4009.3	3877.3	3880.3	3848.8	3743.8
22.5°	4850.7	4834.2	4763.7	4736.7	4625.7	4432.3	4244.8	4093.3	4063.3	4057.3	3875.8
25°	5128.2	5117.7	5053.2	5021.7	4928.7	4751.7	4508.7	4327.3	4322.8	4303.3	4046.8
27.5°	5348.7	5360.7	5354.7	5332.2	5230.2	5056.2	4843.2	4625.7	4628.7	4600.2	4268.8
30°	5662.2	5626.2	5612.7	5630.7	5621.7	5434.2	5207.7	5050.2	5039.7	4966.2	4549.2
32.5°	5845.2	5863.2	5881.2	5944.2	5945.7	5806.2	5659.2	5584.2	5626.2	5638.2	5246.7
35°	6013.2	6013.2	6116.7	6275.6	6331.1	6283.1	6220.1	6314.6	6397.1	6563.6	6104.7
37.5°	6163.2	6206.7	6304.1	6503.6	6685.1	6731.6	6869.6	7129.1	7229.6	7381.1	6827.6
40°	6289.1	6320.6	6445.1	6689.6	7001.6	7214.6	7472.6	7885.1	7990.0	7961.6	7229.6
42.5°	6149.7	6200.7	6400.1	6902.6	7295.6	7696.1	8033.5	8479.0	8606.5	8342.5	7652.6
45°	6074.7	6094.2	6302.6	6872.6	7511.6	8183.5	8566.0	9043.0	9043.0	8747.5	7951.1
47.5°	5924.7	5959.2	6206.7	6833.6	7741.1	8590.0	8977.0	9463.0	9494.5	9130.0	8248.0
50°	5773.2	5816.7	6097.2	6764.6	7870.1	8998.0	9326.5	9813.9	9825.9	9392.5	8510.5
52.5°	5623.2	5645.7	5959.2	6719.6	8012.5	9208.0	9628.0	10098.9	10104.9	9785.4	8800.0
55°	5354.7	5410.2	5734.2	6554.6	8005.0	9304.0	9785.4	10479.9	10538.4	10212.9	9085.0
57.5°	5102.7	5119.2	5473.2	6316.1	7883.6	9415.0	10124.4	11025.9	11082.9	10601.4	9296.5
60°	4766.7	4784.7	5165.7	6032.7	7703.6	9526.0	10554.9	11663.3	11688.8	11009.4	9455.5
62.5°	4415.8	4477.2	4790.7	5597.7	7330.1	9545.5	10919.4	12251.3	12240.8	11363.4	9560.5
65°	4003.3	4025.8	4327.3	5089.2	6758.6	9397.0	11069.4	12536.3	12561.8	11612.3	9491.5
67.5°	3508.3	3517.3	3724.3	4456.2	6082.2	8885.5	10944.9	12768.8	12833.3	11807.3	9203.5
70°	2771.8	2785.3	2975.8	3671.8	5122.2	8102.5	10734.9	12795.8	12768.8	11631.8	8765.5
72.5°	1931.9	1912.4	2098.4	2575.4	3878.8	6664.1	9721.0	11706.8	11754.8	10761.9	7849.1
75°	925.4	931.4	1300.4	1583.9	2177.9	4760.7	8090.5	10080.9	10281.9	9379.0	6394.1
77.5°	157.5	160.5	343.5	624.0	877.5	1997.9	5365.2	8029.0	8200.0	7361.6	4328.8
80°	126.0	126.0	168.0	336.0	465.0	828.0	2032.4	3559.3	3745.3	3334.3	1595.9
82.5°	85.5	90.0	120.0	196.5	165.0	324.0	738.0	1126.4	1156.4	1048.4	655.5
85°	48.0	49.5	61.5	79.5	69.0	120.0	151.5	154.5	163.5	127.5	97.5
87.5°	6.0	13.5	13.5	13.5	6.0	6.0	4.5	4.5	6.0	4.5	4.5
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: P553634

CATALOG NUMBER: VERD-G-CA2-160-760-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3121.3	3121.3	3121.3	3121.3	3121.3	3121.3	3121.3	3121.3	3121.3	3121.3	3121.3
2.5°	3118.3	3100.3	3139.3	3131.8	3158.8	3154.3	3176.8	3188.8	3214.3	3247.3	3244.3
5°	3184.3	3182.8	3229.3	3251.8	3275.8	3298.3	3299.8	3322.3	3344.8	3394.3	3392.8
7.5°	3247.3	3260.8	3326.8	3328.3	3337.3	3353.8	3331.3	3338.8	3344.8	3362.8	3368.8
10°	3320.8	3346.3	3347.8	3341.8	3313.3	3311.8	3260.8	3266.8	3239.8	3260.8	3250.3
12.5°	3415.3	3394.3	3382.3	3341.8	3298.3	3239.8	3191.8	3125.8	3110.8	3110.8	3115.3
15°	3508.3	3476.8	3373.3	3308.8	3229.3	3136.3	3058.3	2983.3	2945.8	2929.3	2926.3
17.5°	3589.3	3523.3	3376.3	3292.3	3142.3	3005.8	2888.8	2768.8	2710.3	2672.8	2666.8
20°	3655.3	3584.8	3385.3	3238.3	3047.8	2846.8	2669.8	2518.4	2402.9	2317.4	2326.4
22.5°	3766.3	3653.8	3379.3	3173.8	2938.3	2677.3	2410.4	2201.9	2008.4	1960.4	1973.9
25°	3899.8	3752.8	3413.8	3134.8	2810.8	2464.4	2113.4	1871.9	1664.9	1598.9	1603.4
27.5°	4054.3	3872.8	3452.8	3070.3	2678.8	2201.9	1778.9	1480.4	1315.4	1184.9	1174.4
30°	4300.3	4036.3	3494.8	3028.3	2494.4	1909.4	1414.4	1103.9	896.9	826.5	826.5
32.5°	4877.7	4367.8	3562.3	2927.8	2251.4	1582.4	1031.9	723.0	540.0	477.0	478.5
35°	5611.2	5036.7	3715.3	2804.8	1964.9	1199.9	637.5	402.0	316.5	285.0	282.0
37.5°	6311.6	5651.7	4042.3	2660.9	1603.4	760.5	358.5	247.5	216.0	214.5	216.0
40°	6743.6	6137.7	4370.8	2468.9	1171.4	418.5	232.5	202.5	198.0	193.5	193.5
42.5°	7142.6	6472.1	4619.7	2174.9	699.0	253.5	204.0	184.5	181.5	174.0	174.0
45°	7466.6	6712.1	4639.2	1783.4	370.5	225.0	187.5	168.0	162.0	157.5	156.0
47.5°	7774.1	6946.1	4568.7	1366.4	264.0	208.5	175.5	154.5	147.0	150.0	148.5
50°	7981.1	7180.1	4376.8	1073.9	252.0	193.5	162.0	141.0	138.0	144.0	142.5
52.5°	8204.5	7372.1	4003.3	835.5	234.0	178.5	148.5	132.0	126.0	130.5	132.0
55°	8381.5	7369.1	3728.8	652.5	222.0	166.5	139.5	124.5	114.0	114.0	112.5
57.5°	8468.5	7298.6	3508.3	513.0	208.5	154.5	130.5	109.5	97.5	94.5	93.0
60°	8464.0	7229.6	3251.8	421.5	195.0	141.0	117.0	93.0	81.0	75.0	75.0
62.5°	8416.0	7067.6	2845.3	363.0	181.5	130.5	97.5	76.5	67.5	61.5	63.0
65°	8293.0	6755.6	2345.9	309.0	168.0	126.0	82.5	67.5	58.5	52.5	52.5
67.5°	7867.1	6232.1	1829.9	259.5	154.5	105.0	72.0	57.0	49.5	43.5	43.5
70°	7264.1	5434.2	1204.4	219.0	138.0	91.5	64.5	49.5	42.0	36.0	34.5
72.5°	6191.7	4342.3	612.0	187.5	118.5	81.0	57.0	43.5	36.0	30.0	28.5
75°	4748.7	2924.8	381.0	150.0	93.0	72.0	51.0	39.0	30.0	22.5	21.0
77.5°	2831.8	1177.4	270.0	105.0	63.0	57.0	42.0	31.5	24.0	16.5	16.5
80°	893.9	520.5	183.0	72.0	40.5	39.0	31.5	22.5	16.5	12.0	12.0
82.5°	505.5	330.0	123.0	48.0	28.5	25.5	18.0	13.5	10.5	9.0	9.0
85°	84.0	66.0	37.5	18.0	13.5	12.0	7.5	4.5	3.0	1.5	3.0
87.5°	4.5	4.5	6.0	6.0	6.0	4.5	3.0	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)