

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: P553592

Luminaire Tested: **VERD-G-CA2-160-722-U-T2-HSS**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553592  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/12/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-G-CA2-160-722-U-T2-HSS  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 2200K, 1460mA LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17024 lumens  
Efficiency: N/A  
Efficacy: 104.7 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

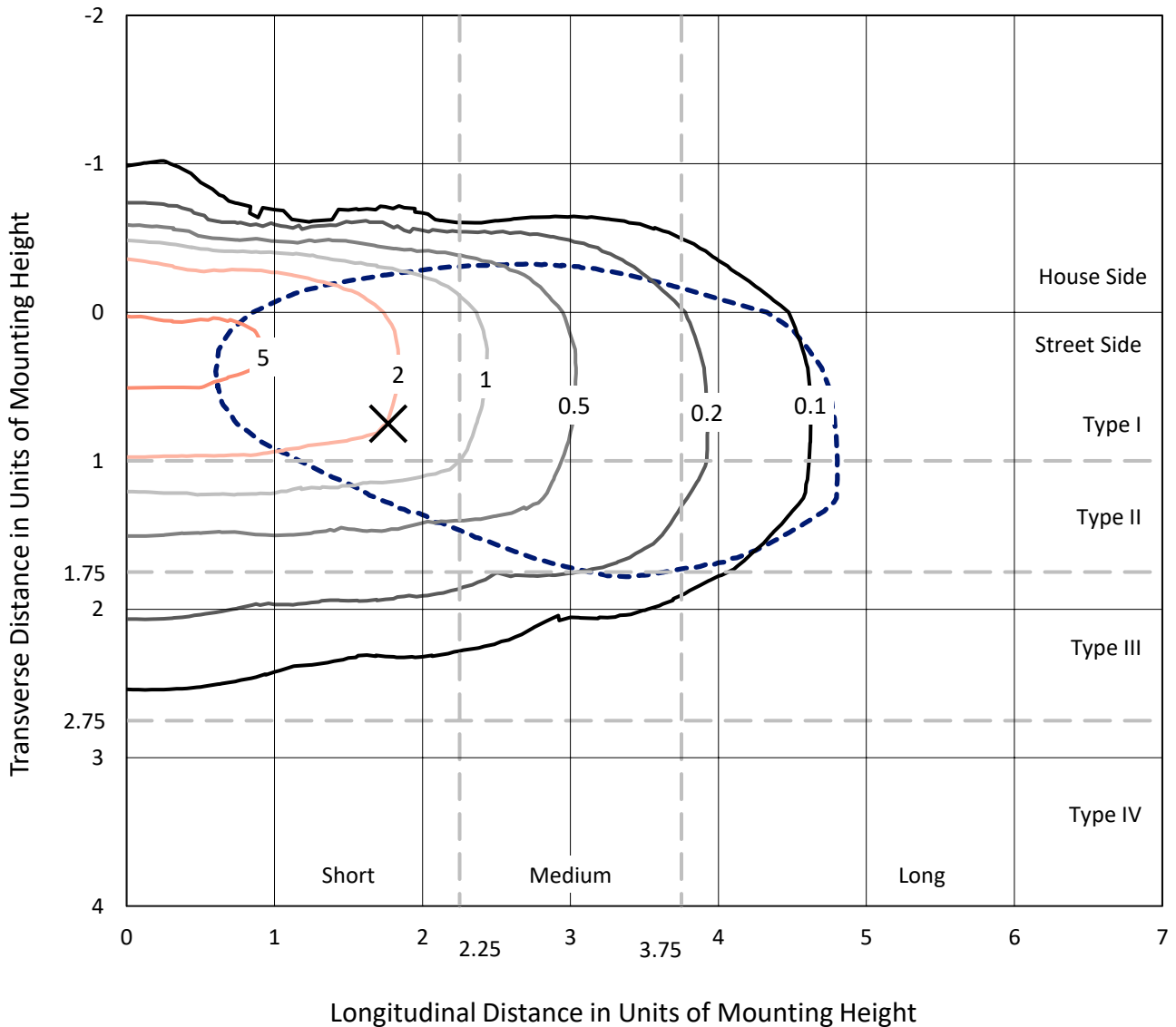
Input Watts (W): 162.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P553592  
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### Iso-Footcandle Lines of Horizontal Illumination

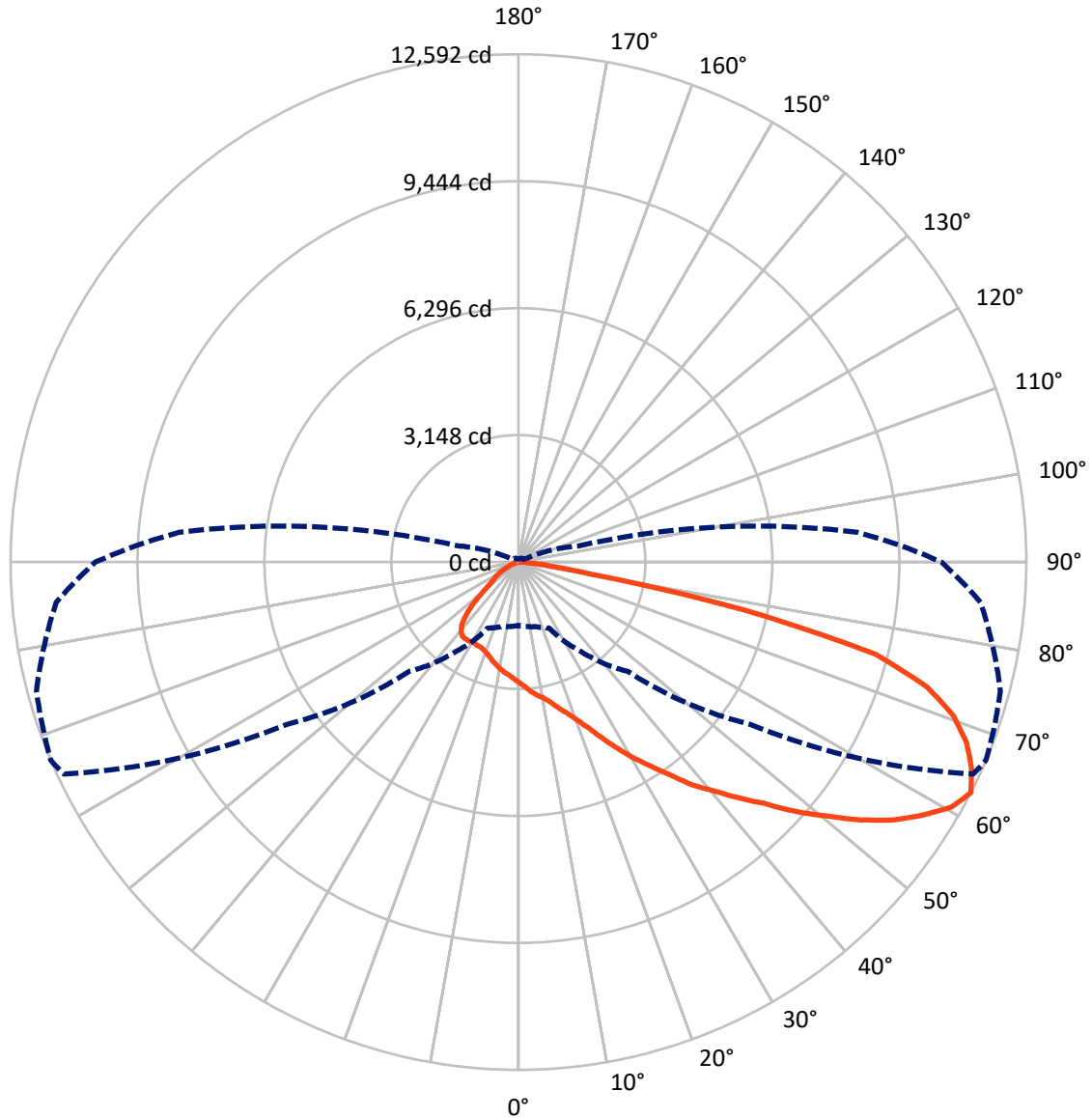
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
 Type II - Short - N/A

REPORT NUMBER: P553592  
CATALOG NUMBER: VERD-G-CA2-160-722-U-T2-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P553592

CATALOG NUMBER: VERD-G-CA2-160-722-U-T2-HSS

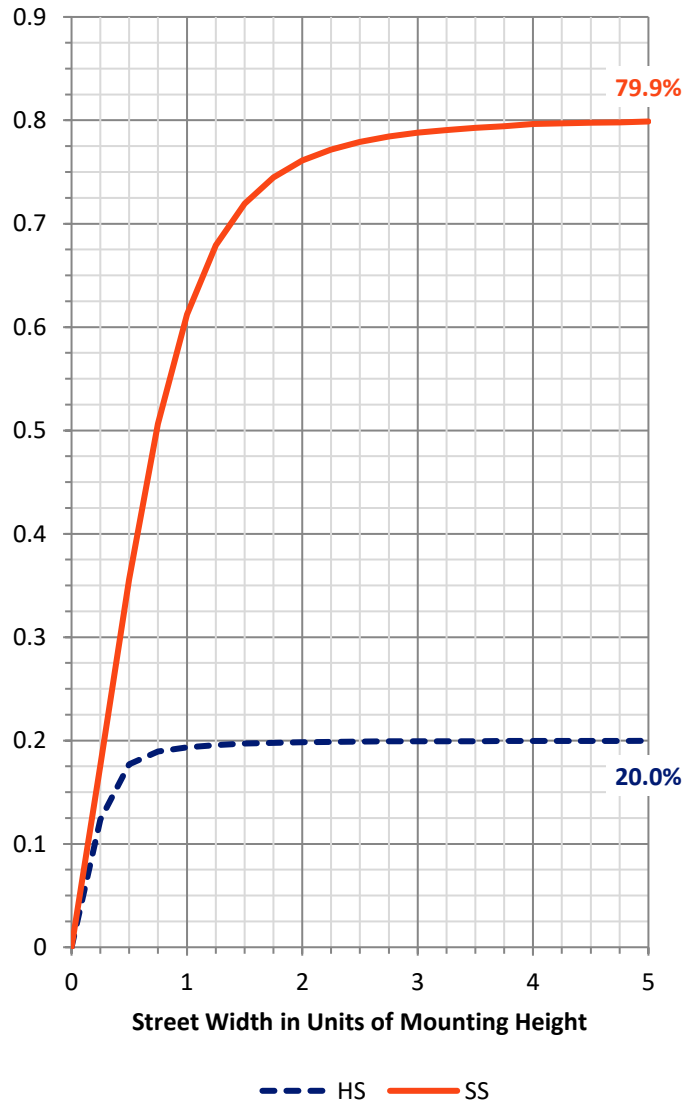
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3440.2	0.0	3440.2
	% Fixture	20.2	0.0	20.2
<b>Street Side</b>	Lumens	13583.8	0.0	13583.8
	% Fixture	79.8	0.0	79.8
<b>Total</b>	Lumens	17024.0	0.0	17024.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	289.0	1.7
10°-20°	871.7	5.1
20°-30°	1486.9	8.7
30°-40°	2178.3	12.8
40°-50°	2874.7	16.9
50°-60°	3383.1	19.9
60°-70°	3479.5	20.4
70°-80°	2254.3	13.2
80°-90°	206.3	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°	17024.0	100.0
0°-180°	17024.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P553592

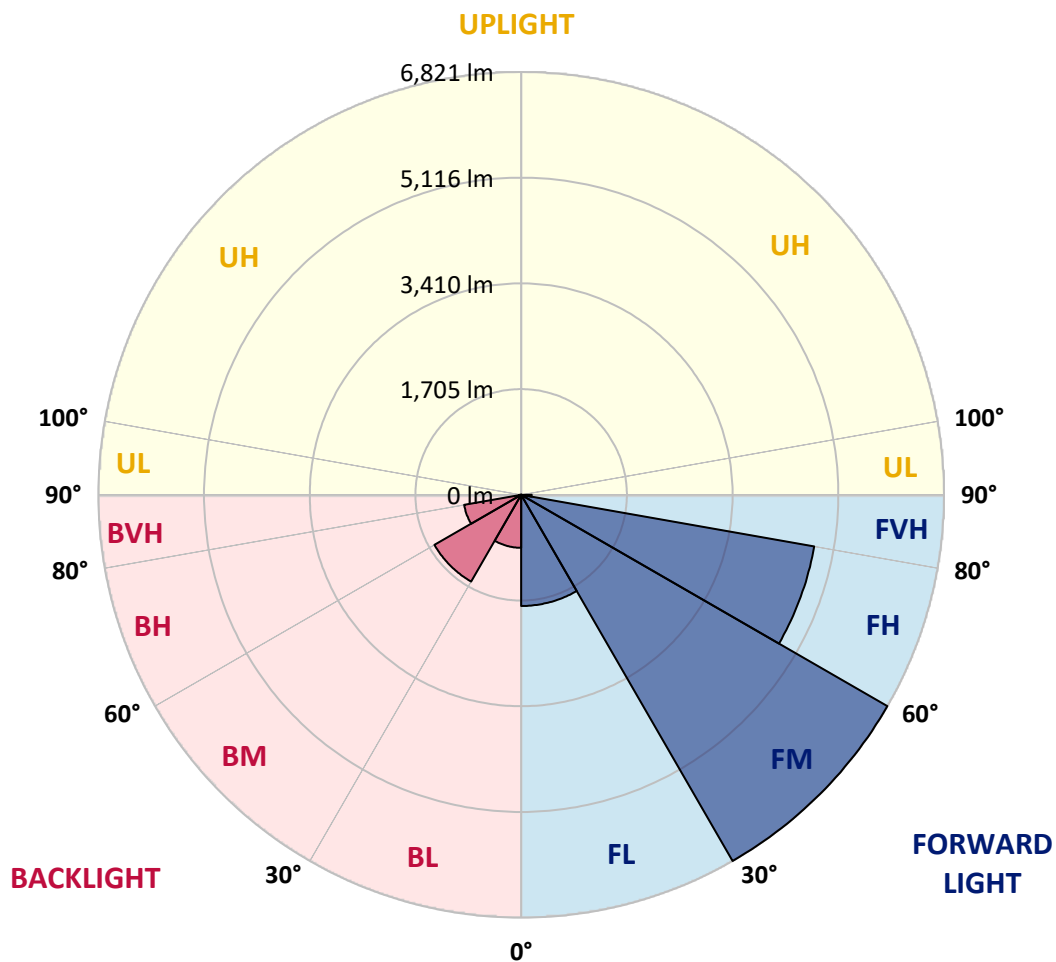
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1792.6	10.5			
FM (30°-60°)	6820.7	40.1			
FH (60°-80°)	4799.9	28.2			G2/5000
FVH (80°-90°)	170.7	1.0			G2/225
BL (0°-30°)	855.0	5.0	B2/1000		
BM (30°-60°)	1615.5	9.5	B2/2500		
BH (60°-80°)	934.0	5.5	B2/1000		G2/1000
BVH (80°-90°)	35.7	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: P553592

CATALOG NUMBER: VERD-G-CA2-160-722-U-T2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2991.2	2991.2	2991.2	2991.2	2991.2	2991.2	2991.2	2991.2	2991.2	2991.2	2991.2
2.5°	3317.5	3313.8	3278.2	3245.1	3223.0	3221.8	3164.2	3112.7	3089.4	3062.4	3002.3
5°	3489.2	3518.6	3479.4	3430.3	3391.1	3361.6	3311.3	3252.5	3227.9	3164.2	3073.4
7.5°	3738.1	3738.1	3701.3	3659.6	3614.3	3535.8	3449.9	3346.9	3334.6	3263.5	3144.5
10°	3858.3	3887.8	3839.9	3790.9	3740.6	3700.1	3583.6	3457.3	3426.6	3319.9	3172.7
12.5°	4026.3	4026.3	4000.6	3958.9	3901.2	3820.3	3745.5	3617.9	3566.4	3407.0	3223.0
15°	4184.5	4171.1	4149.0	4080.3	4050.9	4000.6	3902.5	3768.8	3759.0	3582.4	3300.3
17.5°	4308.4	4286.3	4265.5	4228.7	4193.1	4173.5	4103.6	3987.1	3946.6	3784.7	3446.2
20°	4372.2	4390.6	4340.3	4339.1	4350.1	4335.4	4288.8	4201.7	4184.5	3992.0	3594.6
22.5°	4444.5	4469.1	4456.8	4469.1	4502.2	4526.7	4524.3	4505.9	4478.9	4269.2	3833.8
25°	4460.5	4444.5	4496.1	4610.1	4693.5	4752.4	4867.7	4844.4	4837.0	4651.8	4158.8
27.5°	4411.4	4426.2	4507.1	4671.4	4886.1	5046.7	5141.2	5257.7	5231.9	5088.4	4550.0
30°	4382.0	4407.8	4514.5	4707.0	4995.2	5285.9	5472.3	5617.0	5639.1	5525.0	4935.1
32.5°	4280.2	4314.5	4424.9	4735.2	5101.9	5542.2	5774.0	6043.8	6034.0	5987.4	5403.6
35°	4123.2	4168.6	4337.8	4698.4	5222.1	5772.8	6080.6	6473.0	6480.4	6500.0	5848.8
37.5°	3996.9	4011.6	4204.2	4589.3	5269.9	5959.2	6366.3	6897.4	7016.4	6988.1	6354.1
40°	3794.5	3838.7	4047.2	4455.6	5265.0	6085.5	6657.0	7394.1	7457.9	7546.2	6882.7
42.5°	3545.6	3593.4	3793.3	4274.1	5196.3	6195.9	6936.6	7900.6	7990.1	8128.7	7367.1
45°	3306.4	3327.3	3514.9	4009.2	5062.7	6283.0	7208.9	8399.8	8537.1	8735.8	7855.2
47.5°	3008.4	3064.8	3274.5	3732.0	4767.1	6314.8	7410.0	8988.4	9241.1	9362.5	8412.0
50°	2314.3	2349.8	2938.5	3487.9	4445.8	6215.5	7671.3	9735.3	9894.8	10021.1	8976.2
52.5°	2039.5	2071.4	2299.5	3205.9	4087.7	5957.9	7830.7	10429.5	10622.0	10595.0	9542.8
55°	1924.3	1940.2	2038.3	2616.0	3761.4	5479.6	7942.3	11187.4	11291.7	11117.5	10104.5
57.5°	1790.6	1809.0	1882.6	2192.8	3393.5	4873.8	7849.1	11794.5	11833.7	11617.9	10604.9
60°	1671.6	1683.9	1794.3	1962.3	2993.7	4286.3	7613.6	12231.1	12340.2	11985.8	11144.5
62.5°	1569.8	1599.3	1656.9	1805.3	2714.1	3831.3	7017.6	12437.1	12591.7	12370.9	11502.6
65°	1469.3	1482.7	1549.0	1680.2	2413.6	3562.8	6676.6	12166.1	12346.4	12422.4	11723.4
67.5°	1331.9	1351.5	1416.5	1510.9	2013.8	3301.5	5880.7	11725.8	11983.4	12151.4	11592.1
70°	1171.2	1188.4	1254.6	1333.1	1681.4	2916.4	4963.3	11276.9	11446.2	11457.2	11005.9
72.5°	984.8	1000.8	1067.0	1145.5	1395.7	2428.3	3890.2	10213.6	10592.6	10833.0	10022.3
75°	626.7	695.4	859.7	948.0	1149.2	1964.7	2775.4	8154.5	9150.3	9837.1	8673.2
77.5°	101.8	114.1	337.3	480.8	668.4	1331.9	1541.6	4518.1	5683.2	8220.7	7002.9
80°	77.3	87.1	122.6	326.2	429.2	829.1	607.1	1466.8	1768.5	3843.6	3923.3
82.5°	33.1	39.2	73.6	182.7	202.4	220.8	163.1	656.1	776.3	1168.8	1361.3
85°	11.0	14.7	34.3	57.6	63.8	49.1	35.6	260.0	320.1	560.5	518.8
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: P553592

CATALOG NUMBER: VERD-G-CA2-160-722-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2991.2	2991.2	2991.2	2991.2	2991.2	2991.2	2991.2	2991.2	2991.2	2991.2	2991.2
2.5°	2990.0	2948.3	2943.4	2893.1	2847.7	2796.2	2764.4	2753.3	2768.0	2782.7	2797.5
5°	3026.8	2963.0	2899.3	2795.0	2748.4	2692.0	2617.2	2571.8	2551.0	2569.4	2575.5
7.5°	3053.8	2971.6	2873.5	2731.2	2630.7	2522.7	2451.6	2375.6	2333.9	2341.2	2347.4
10°	3058.7	2967.9	2801.1	2663.8	2501.9	2353.5	2260.3	2224.7	2196.5	2172.0	2175.7
12.5°	3104.1	2970.4	2739.8	2573.0	2402.6	2211.2	2107.0	2061.6	2056.7	2006.4	2001.5
15°	3165.4	3024.4	2707.9	2490.9	2272.6	2092.3	1968.4	1887.5	1889.9	1864.2	1860.5
17.5°	3264.7	3077.1	2684.6	2395.2	2136.4	1970.9	1813.9	1740.3	1717.0	1709.6	1703.5
20°	3376.3	3154.4	2656.4	2310.6	2017.5	1824.9	1649.5	1574.7	1509.7	1490.1	1492.6
22.5°	3540.7	3256.1	2679.7	2246.8	1885.0	1682.6	1508.5	1362.6	1250.9	1221.5	1217.8
25°	3831.3	3457.3	2749.6	2191.6	1802.8	1544.1	1309.8	1105.0	957.8	925.9	928.4
27.5°	4155.1	3722.2	2846.5	2168.3	1698.6	1390.8	1068.2	840.1	702.7	665.9	668.4
30°	4539.0	4037.4	2993.7	2103.3	1587.0	1167.6	795.9	615.7	509.0	466.0	468.5
32.5°	4908.1	4352.6	3182.6	2093.5	1447.2	876.9	575.2	447.6	360.6	328.7	332.4
35°	5315.3	4713.1	3381.2	2044.4	1217.8	629.2	403.5	310.3	263.7	253.9	252.6
37.5°	5776.4	5034.5	3528.4	1999.1	911.2	442.7	275.9	239.2	233.0	219.5	219.5
40°	6204.5	5369.3	3638.8	1878.9	637.7	300.5	215.8	217.1	210.9	192.5	188.9
42.5°	6599.4	5715.1	3740.6	1686.3	431.7	204.8	193.8	197.5	199.9	179.1	174.2
45°	7047.0	6141.9	3718.5	1396.9	274.7	185.2	174.2	185.2	197.5	176.6	171.7
47.5°	7537.6	6454.6	3765.1	1008.1	193.8	175.4	161.9	176.6	186.4	172.9	165.6
50°	8091.9	6864.3	3624.1	586.2	177.8	165.6	155.8	161.9	176.6	169.2	160.7
52.5°	8599.7	7229.7	3431.5	287.0	168.0	155.8	145.9	150.8	165.6	157.0	159.4
55°	9027.7	7609.9	3040.3	204.8	161.9	144.7	141.0	142.3	150.8	139.8	147.2
57.5°	9552.6	7922.7	2642.9	191.3	157.0	137.4	138.6	128.8	131.2	125.1	117.7
60°	10019.9	8218.2	2103.3	176.6	149.6	141.0	125.1	111.6	104.2	100.6	99.3
62.5°	10487.1	8442.7	1550.2	160.7	142.3	127.5	110.4	95.7	83.4	78.5	77.3
65°	10663.7	8562.9	1058.4	147.2	133.7	116.5	98.1	77.3	63.8	58.9	55.2
67.5°	10532.5	8186.4	613.2	132.5	128.8	106.7	85.8	62.5	49.1	45.4	42.9
70°	9924.2	7595.2	327.5	120.2	112.8	94.4	76.0	51.5	39.2	34.3	33.1
72.5°	8878.1	6531.9	171.7	100.6	94.4	77.3	60.1	42.9	31.9	25.8	24.5
75°	7538.8	5127.7	120.2	73.6	65.0	60.1	45.4	34.3	25.8	19.6	18.4
77.5°	5950.6	3332.2	90.8	47.8	38.0	39.2	33.1	28.2	20.8	14.7	14.7
80°	3073.4	1731.7	68.7	31.9	22.1	23.3	23.3	20.8	15.9	11.0	11.0
82.5°	1219.1	637.7	47.8	18.4	13.5	14.7	13.5	13.5	11.0	7.4	7.4
85°	402.3	139.8	17.2	11.0	8.6	8.6	7.4	6.1	3.7	2.5	2.5
87.5°	3.7	3.7	4.9	6.1	6.1	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)