

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: P553584

Luminaire Tested: **VERD-G-CA2-150-760-U-T2-HSS**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553584  
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-CA2-150-760-U-T2-HSS  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 5700K, 1380mA LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19803 lumens  
Efficiency: N/A  
Efficacy: 130.1 lumens/watt  
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

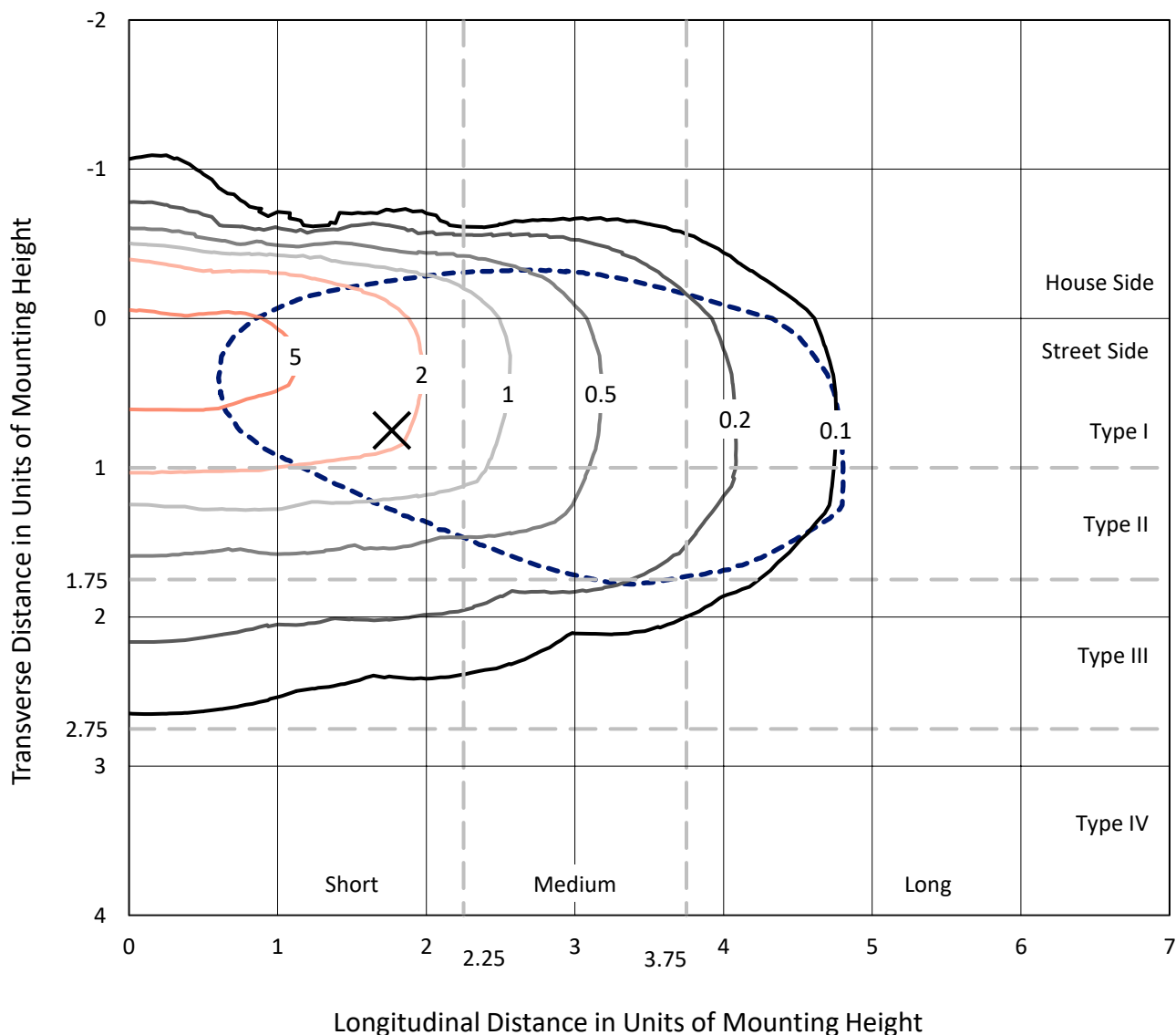
Input Watts (W): 152.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

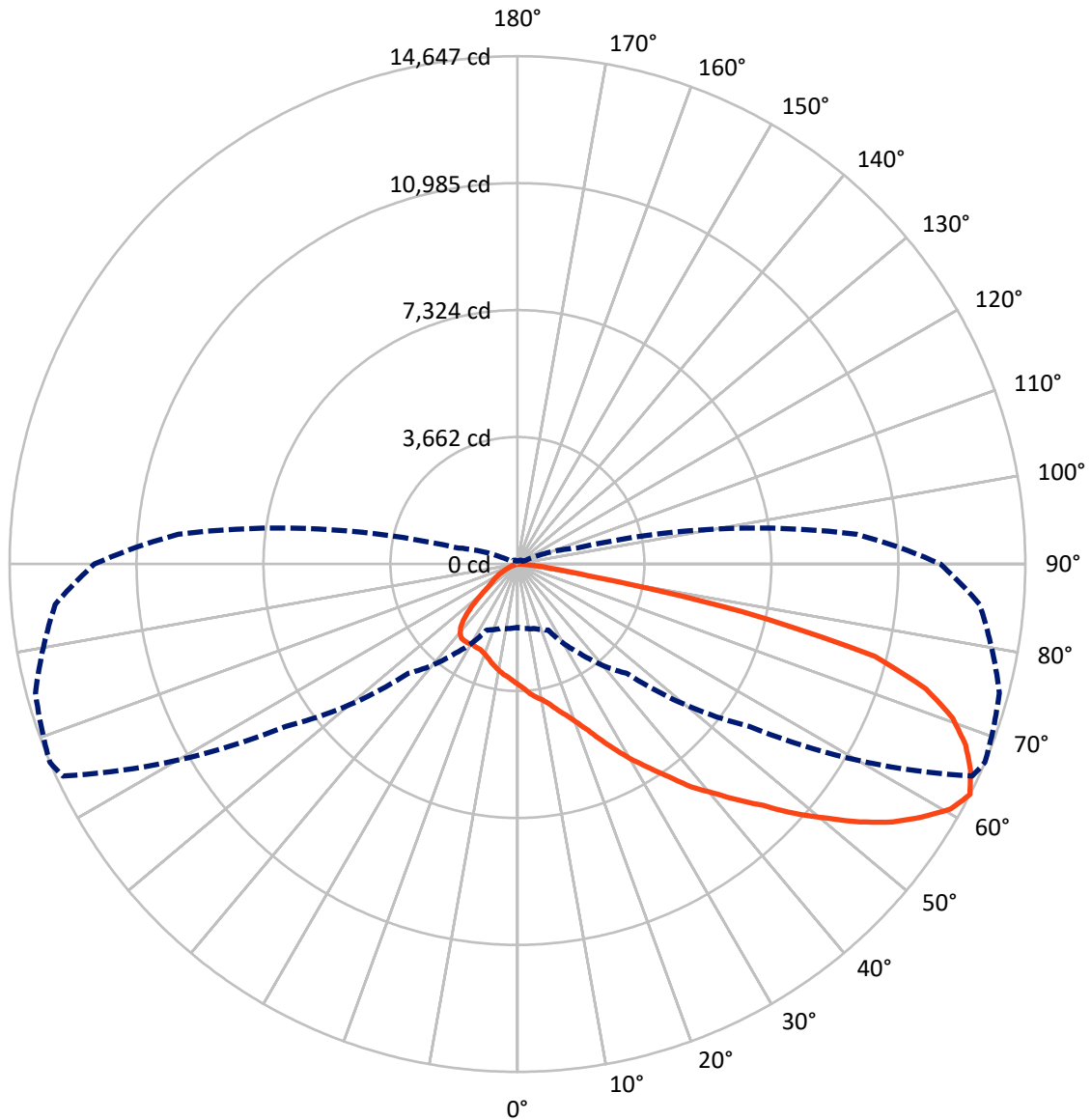
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc  
 Type II - Short - N/A

REPORT NUMBER: P553584  
CATALOG NUMBER: VERD-G-CA2-150-760-U-T2-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P553584

CATALOG NUMBER: VERD-G-CA2-150-760-U-T2-HSS

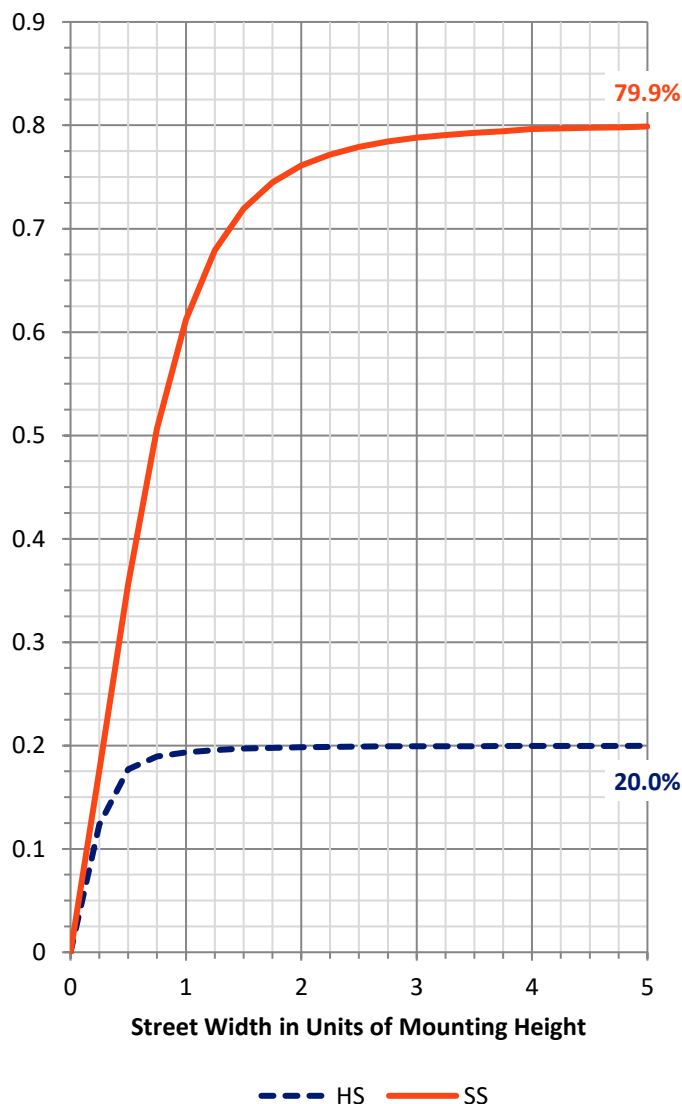
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4001.7	0.0	4001.7
	% Fixture	20.2	0.0	20.2
<b>Street Side</b>	Lumens	15801.3	0.0	15801.3
	% Fixture	79.8	0.0	79.8
<b>Total</b>	Lumens	19803.0	0.0	19803.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	336.2	1.7
10°-20°	1014.0	5.1
20°-30°	1729.6	8.7
30°-40°	2533.9	12.8
40°-50°	3344.0	16.9
50°-60°	3935.4	19.9
60°-70°	4047.5	20.4
70°-80°	2622.3	13.2
80°-90°	240.0	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°	19803.0	100.0
0°-180°	19803.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P553584

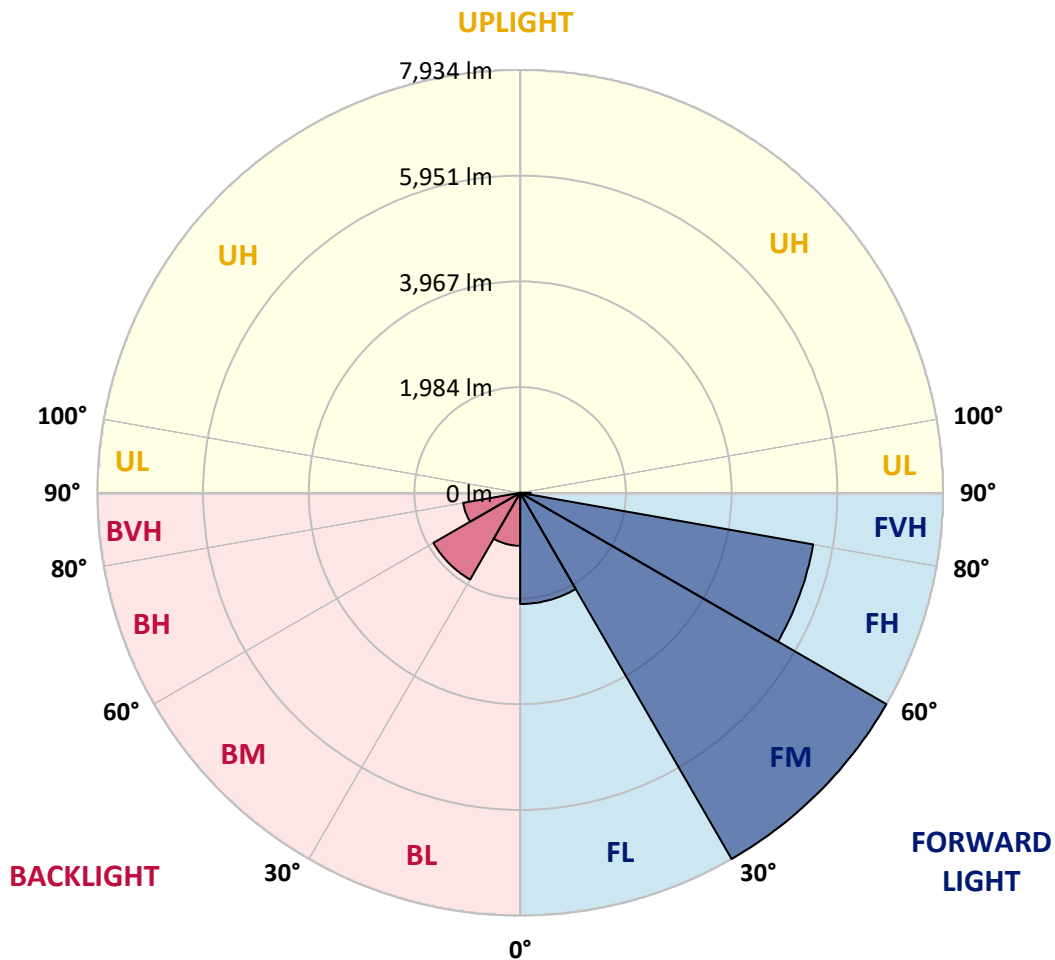
CATALOG NUMBER: VERD-G-CA2-150-760-U-T2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2085.3	10.5			
FM (30°-60°)	7934.1	40.1			
FH (60°-80°)	5583.4	28.2			G3/7500
FVH (80°-90°)	198.5	1.0			G2/225
BL (0°-30°)	994.6	5.0	B2/1000		
BM (30°-60°)	1879.2	9.5	B2/2500		
BH (60°-80°)	1086.5	5.5	B3/2500		G3/2500
BVH (80°-90°)	41.5	0.2			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 II Short





REPORT NUMBER: P553584

CATALOG NUMBER: VERD-G-CA2-150-760-U-T2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3479.5	3479.5	3479.5	3479.5	3479.5	3479.5	3479.5	3479.5	3479.5	3479.5	3479.5
2.5°	3859.0	3854.7	3813.4	3774.8	3749.2	3747.7	3680.7	3620.8	3593.7	3562.3	3492.4
5°	4058.7	4093.0	4047.3	3990.3	3944.6	3910.4	3851.9	3783.4	3754.9	3680.7	3575.1
7.5°	4348.3	4348.3	4305.5	4257.0	4204.3	4112.9	4013.1	3893.2	3879.0	3796.2	3657.9
10°	4488.2	4522.4	4466.8	4409.7	4351.2	4304.1	4168.6	4021.6	3986.0	3861.9	3690.7
12.5°	4683.6	4683.6	4653.6	4605.1	4538.1	4443.9	4356.9	4208.5	4148.6	3963.2	3749.2
15°	4867.6	4851.9	4826.3	4746.4	4712.1	4653.6	4539.5	4384.0	4372.6	4167.2	3839.0
17.5°	5011.7	4986.0	4961.8	4919.0	4877.6	4854.8	4773.5	4637.9	4590.9	4402.6	4008.8
20°	5085.9	5107.3	5048.8	5047.4	5060.2	5043.1	4988.9	4887.6	4867.6	4643.7	4181.4
22.5°	5170.1	5198.6	5184.3	5198.6	5237.1	5265.7	5262.8	5241.4	5210.0	4966.1	4459.6
25°	5188.6	5170.1	5230.0	5362.7	5459.7	5528.2	5662.3	5635.2	5626.6	5411.2	4837.7
27.5°	5131.6	5148.7	5242.8	5434.0	5683.7	5870.5	5980.4	6115.9	6086.0	5919.1	5292.8
30°	5097.3	5127.3	5251.4	5475.4	5810.6	6148.7	6365.6	6533.9	6559.6	6426.9	5740.7
32.5°	4978.9	5018.9	5147.2	5508.2	5934.7	6446.9	6716.5	7030.4	7019.0	6964.8	6285.7
35°	4796.3	4849.1	5046.0	5465.4	6074.6	6715.1	7073.2	7529.7	7538.3	7561.1	6803.6
37.5°	4649.4	4666.5	4890.5	5338.4	6130.2	6932.0	7405.6	8023.3	8161.7	8128.9	7391.3
40°	4414.0	4465.3	4707.9	5182.9	6124.5	7078.9	7743.7	8601.1	8675.3	8778.0	8006.2
42.5°	4124.4	4180.0	4412.5	4971.8	6044.6	7207.3	8069.0	9190.3	9294.4	9455.6	8569.7
45°	3846.2	3870.4	4088.7	4663.6	5889.1	7308.6	8385.7	9770.9	9930.7	10161.8	9137.5
47.5°	3499.5	3565.1	3809.1	4341.2	5545.3	7345.7	8619.6	10455.7	10749.6	10890.8	9785.2
50°	2692.0	2733.4	3418.2	4057.3	5171.5	7230.1	8923.5	11324.5	11510.0	11656.9	10441.4
52.5°	2372.5	2409.6	2674.9	3729.2	4754.9	6930.5	9109.0	12132.0	12356.0	12324.6	11100.5
55°	2238.4	2256.9	2371.0	3043.0	4375.4	6374.1	9238.8	13013.6	13134.9	12932.3	11753.9
57.5°	2082.9	2104.3	2189.9	2550.8	3947.5	5669.4	9130.4	13719.8	13765.5	13514.4	12336.0
60°	1944.5	1958.8	2087.1	2282.6	3482.4	4986.0	8856.5	14227.7	14354.7	13942.4	12963.7
62.5°	1826.1	1860.3	1927.4	2100.0	3157.1	4456.8	8163.1	14467.4	14647.1	14390.3	13380.3
65°	1709.1	1724.8	1801.8	1954.5	2807.6	4144.3	7766.5	14152.1	14361.8	14450.2	13637.1
67.5°	1549.3	1572.1	1647.7	1757.6	2342.5	3840.5	6840.6	13639.9	13939.5	14135.0	13484.4
70°	1362.4	1382.4	1459.4	1550.7	1955.9	3392.5	5773.5	13117.8	13314.7	13327.5	12802.5
72.5°	1145.6	1164.1	1241.2	1332.5	1623.5	2824.7	4525.2	11880.9	12321.7	12601.3	11658.3
75°	729.0	808.9	1000.1	1102.8	1336.7	2285.4	3228.4	9485.6	10644.0	11442.9	10089.1
77.5°	118.4	132.7	392.3	559.2	777.5	1549.3	1793.3	5255.7	6611.0	9562.6	8146.0
80°	89.9	101.3	142.7	379.5	499.3	964.4	706.2	1706.2	2057.2	4471.0	4563.8
82.5°	38.5	45.7	85.6	212.6	235.4	256.8	189.7	763.2	903.1	1359.6	1583.5
85°	12.8	17.1	39.9	67.1	74.2	57.1	41.4	302.4	372.3	652.0	603.5
87.5°	0.0	1.4	8.6	10.0	8.6	5.7	4.3	2.9	2.9	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: P553584

CATALOG NUMBER: VERD-G-CA2-150-760-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3479.5	3479.5	3479.5	3479.5	3479.5	3479.5	3479.5	3479.5	3479.5	3479.5	3479.5
2.5°	3478.1	3429.6	3423.9	3365.4	3312.6	3252.7	3215.6	3202.8	3219.9	3237.0	3254.1
5°	3520.9	3446.7	3372.5	3251.3	3197.1	3131.4	3044.4	2991.6	2967.4	2988.8	2995.9
7.5°	3552.3	3456.7	3342.6	3177.1	3060.1	2934.6	2851.8	2763.4	2714.9	2723.4	2730.6
10°	3558.0	3452.4	3258.4	3098.6	2910.3	2737.7	2629.3	2587.9	2555.1	2526.5	2530.8
12.5°	3610.8	3455.3	3187.1	2993.1	2794.8	2572.2	2450.9	2398.2	2392.4	2334.0	2328.2
15°	3682.1	3518.0	3150.0	2897.5	2643.5	2433.8	2289.7	2195.6	2198.4	2168.5	2164.2
17.5°	3797.7	3579.4	3122.9	2786.2	2485.2	2292.6	2110.0	2024.4	1997.3	1988.7	1981.6
20°	3927.5	3669.3	3090.1	2687.8	2346.8	2122.8	1918.8	1831.8	1756.2	1733.3	1736.2
22.5°	4118.7	3787.7	3117.2	2613.6	2192.7	1957.3	1754.7	1585.0	1455.2	1420.9	1416.6
25°	4456.8	4021.6	3198.5	2549.4	2097.1	1796.1	1523.6	1285.4	1114.2	1077.1	1080.0
27.5°	4833.4	4329.8	3311.2	2522.3	1975.9	1617.8	1242.6	977.2	817.5	774.7	777.5
30°	5279.9	4696.4	3482.4	2446.7	1846.0	1358.1	925.9	716.2	592.0	542.1	545.0
32.5°	5709.3	5063.1	3702.1	2435.2	1683.4	1020.0	669.1	520.7	419.4	382.3	386.6
35°	6183.0	5482.5	3933.2	2378.2	1416.6	731.9	469.4	360.9	306.7	295.3	293.9
37.5°	6719.4	5856.3	4104.4	2325.4	1060.0	515.0	321.0	278.2	271.1	255.4	255.4
40°	7217.3	6245.7	4232.8	2185.6	741.8	349.5	251.1	252.5	245.4	224.0	219.7
42.5°	7676.6	6648.1	4351.2	1961.6	502.2	238.2	225.4	229.7	232.5	208.3	202.6
45°	8197.4	7144.5	4325.5	1624.9	319.6	215.4	202.6	215.4	229.7	205.4	199.7
47.5°	8768.0	7508.3	4379.7	1172.7	225.4	204.0	188.3	205.4	216.8	201.2	192.6
50°	9412.8	7984.8	4215.7	681.9	206.9	192.6	181.2	188.3	205.4	196.9	186.9
52.5°	10003.5	8409.9	3991.7	333.8	195.4	181.2	169.8	175.5	192.6	182.6	185.5
55°	10501.4	8852.2	3536.6	238.2	188.3	168.3	164.1	165.5	175.5	162.6	171.2
57.5°	11112.0	9216.0	3074.4	222.6	182.6	159.8	161.2	149.8	152.6	145.5	137.0
60°	11655.5	9559.8	2446.7	205.4	174.0	164.1	145.5	129.8	121.3	117.0	115.6
62.5°	12199.0	9820.9	1803.2	186.9	165.5	148.4	128.4	111.3	97.0	91.3	89.9
65°	12404.5	9960.7	1231.2	171.2	155.5	135.5	114.1	89.9	74.2	68.5	64.2
67.5°	12251.8	9522.7	713.3	154.1	149.8	124.1	99.9	72.8	57.1	52.8	49.9
70°	11544.2	8835.1	380.9	139.8	131.2	109.8	88.5	59.9	45.7	39.9	38.5
72.5°	10327.3	7598.2	199.7	117.0	109.8	89.9	69.9	49.9	37.1	30.0	28.5
75°	8769.4	5964.7	139.8	85.6	75.6	69.9	52.8	39.9	30.0	22.8	21.4
77.5°	6922.0	3876.1	105.6	55.6	44.2	45.7	38.5	32.8	24.3	17.1	17.1
80°	3575.1	2014.4	79.9	37.1	25.7	27.1	27.1	24.3	18.5	12.8	12.8
82.5°	1418.1	741.8	55.6	21.4	15.7	17.1	15.7	15.7	12.8	8.6	8.6
85°	467.9	162.6	20.0	12.8	10.0	10.0	8.6	7.1	4.3	2.9	2.9
87.5°	4.3	4.3	5.7	7.1	7.1	5.7	4.3	1.4	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)