

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: P553585

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

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553585  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-2)  
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  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 5700K, 1380mA LEDS AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21756 lumens  
Efficiency: N/A  
Efficacy: 142.9 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

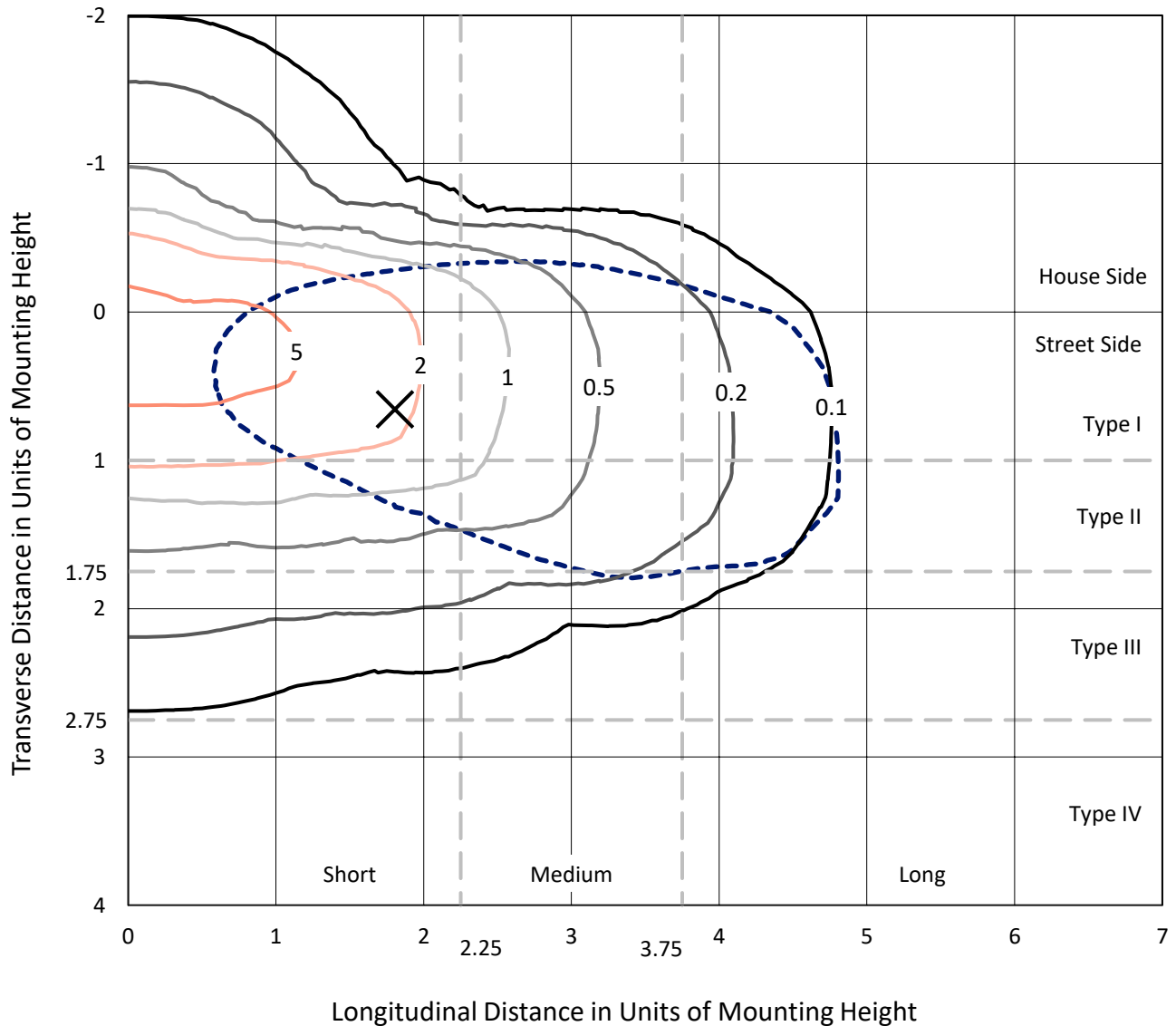
Input Watts (W): 152.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

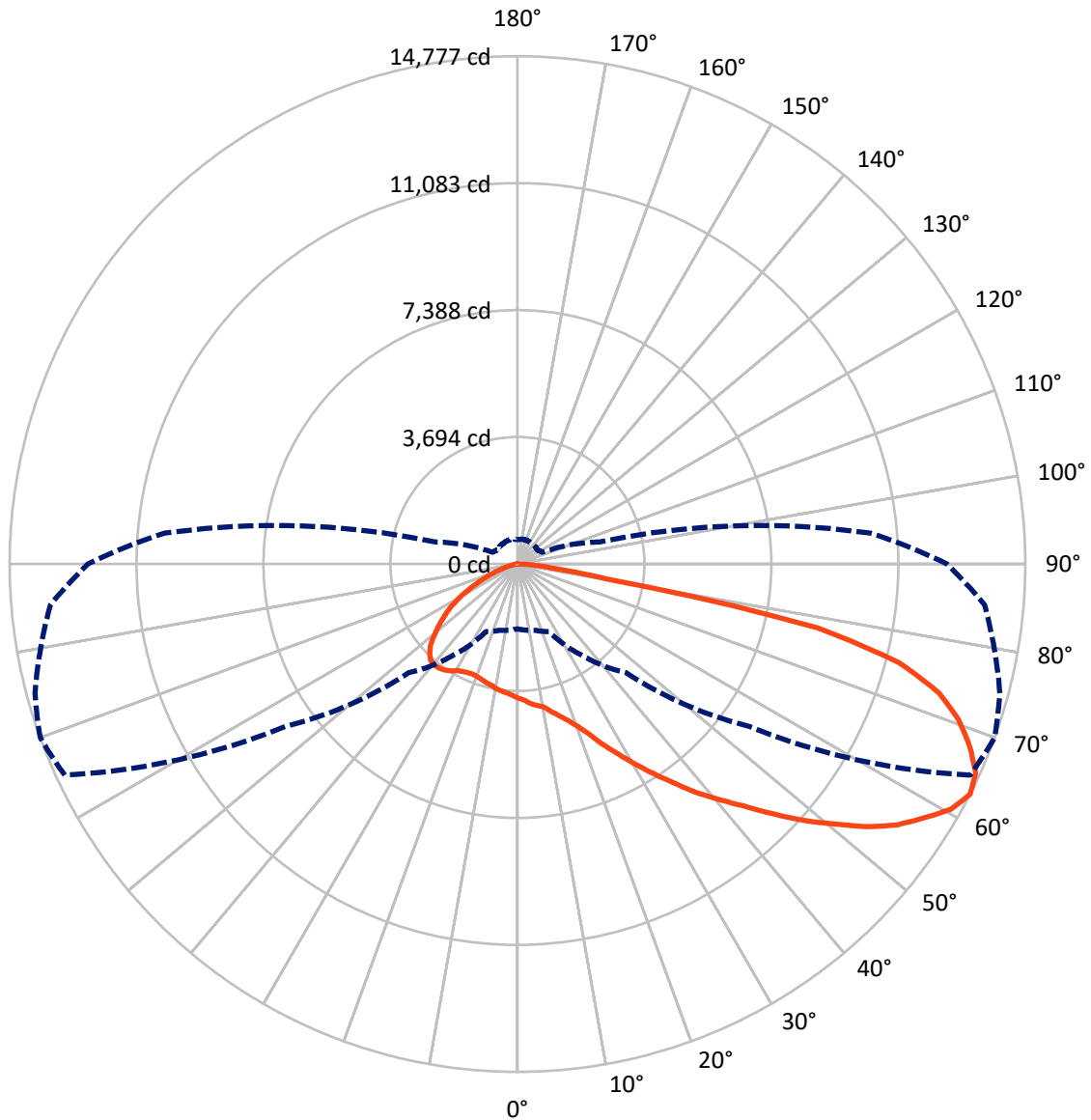
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc  
 Type II - Short - N/A

REPORT NUMBER: P553585  
CATALOG NUMBER: VERD-G-CA2-150-760-U-T2

### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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

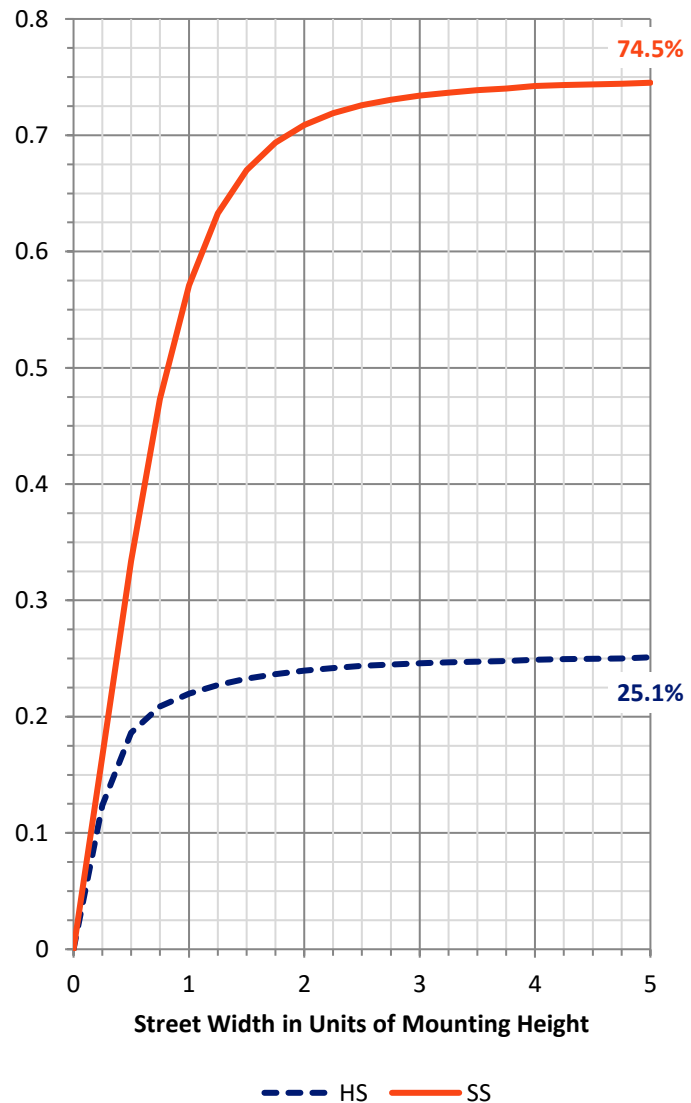
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5559.4	0.0	5559.4
	% Fixture	25.6	0.0	25.6
<b>Street Side</b>	Lumens	16196.6	0.0	16196.6
	% Fixture	74.4	0.0	74.4
<b>Total</b>	Lumens	21756.0	0.0	21756.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	377.0	1.7
10°-20°	1147.0	5.3
20°-30°	1949.6	9.0
30°-40°	2805.5	12.9
40°-50°	3640.7	16.7
50°-60°	4267.8	19.6
60°-70°	4376.6	20.1
70°-80°	2871.9	13.2
80°-90°	319.9	1.5
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°	21756.0	100.0
0°-180°	21756.0	100.0



REPORT NUMBER: P553585

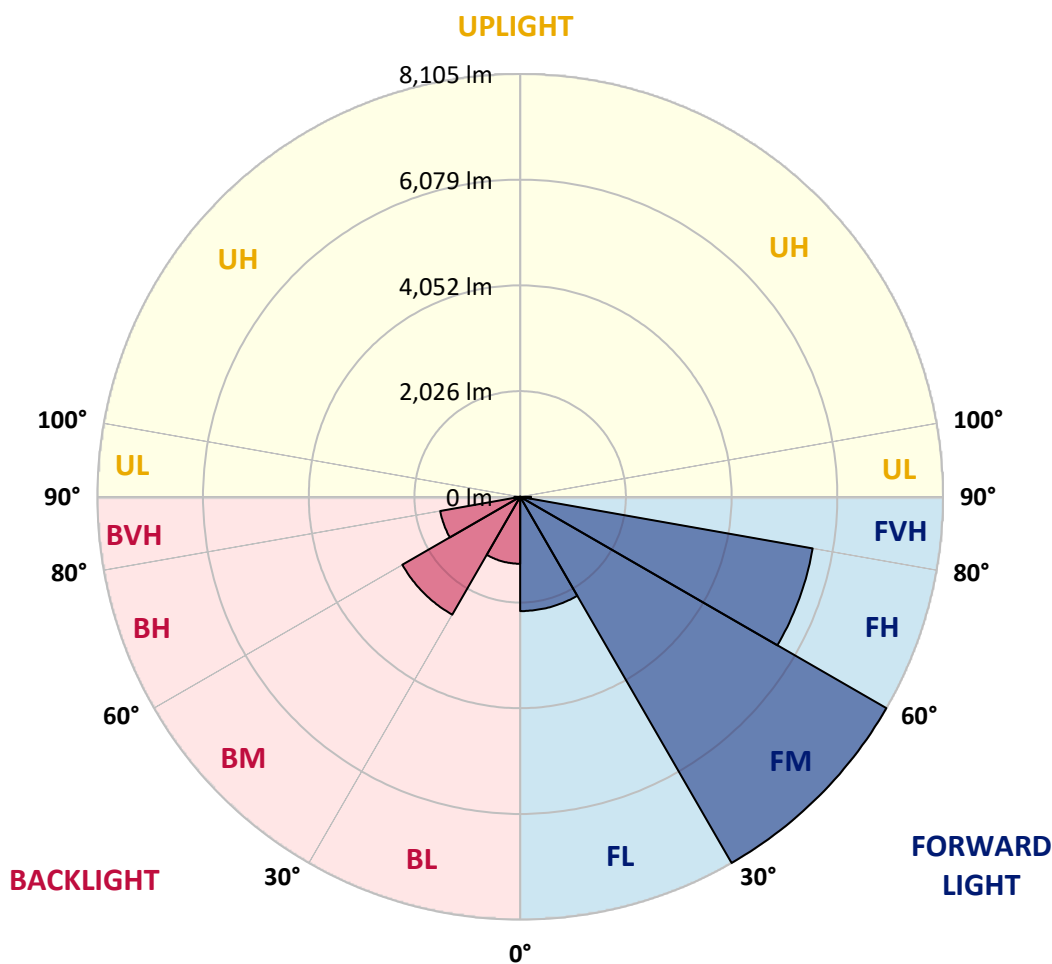
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2189.9	10.1			
FM (30°-60°)	8104.7	37.3			
FH (60°-80°)	5693.4	26.2			G3/7500
FVH (80°-90°)	208.6	1.0			G2/225
BL (0°-30°)	1283.7	5.9	B3/2500		
BM (30°-60°)	2609.2	12.0	B3/5000		
BH (60°-80°)	1555.2	7.1	B3/2500		G3/2500
BVH (80°-90°)	111.3	0.5			G2/225
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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6
2.5°	4155.7	4171.4	4145.7	4121.5	4097.2	4083.0	4058.7	3990.2	3966.0	3944.6	3901.8
5°	4371.1	4392.5	4355.5	4278.4	4259.9	4200.0	4167.1	4108.7	4084.4	4047.3	3976.0
7.5°	4623.7	4626.5	4573.7	4549.5	4488.1	4406.8	4302.7	4195.7	4160.0	4121.5	4031.6
10°	4770.6	4800.6	4749.2	4673.6	4630.8	4558.0	4448.2	4307.0	4228.5	4160.0	4060.1
12.5°	4977.5	4984.6	4901.9	4859.1	4802.0	4710.7	4603.7	4481.0	4404.0	4277.0	4095.8
15°	5128.7	5133.0	5058.8	5013.1	4958.9	4904.7	4789.1	4660.8	4585.1	4458.2	4182.8
17.5°	5237.1	5255.7	5210.0	5177.2	5120.1	5081.6	4990.3	4889.0	4790.6	4676.4	4364.0
20°	5355.5	5365.5	5281.3	5295.6	5285.6	5268.5	5225.7	5130.1	5050.2	4899.0	4509.5
22.5°	5388.3	5371.2	5394.0	5449.7	5476.8	5496.7	5483.9	5462.5	5389.8	5201.4	4784.9
25°	5339.8	5361.2	5415.4	5536.7	5687.9	5777.8	5842.0	5857.7	5836.3	5656.5	5152.9
27.5°	5327.0	5317.0	5405.4	5612.3	5866.2	6076.0	6202.9	6322.8	6268.5	6155.8	5568.1
30°	5272.8	5268.5	5424.0	5636.6	5963.3	6352.7	6579.6	6782.1	6756.5	6642.3	6054.6
32.5°	5140.1	5168.6	5288.5	5656.5	6111.6	6620.9	6897.7	7230.1	7268.6	7184.4	6546.7
35°	4968.9	4978.9	5170.1	5603.7	6227.2	6856.3	7258.6	7720.8	7810.7	7807.9	7100.3
37.5°	4752.1	4809.1	5013.1	5472.5	6277.1	7071.7	7605.3	8243.0	8422.7	8395.6	7653.8
40°	4535.2	4570.9	4812.0	5305.6	6281.4	7215.8	7899.2	8800.8	9000.5	9004.8	8284.4
42.5°	4209.9	4269.9	4522.4	5085.9	6185.8	7338.5	8191.6	9385.7	9612.5	9645.3	8869.3
45°	3938.9	3958.9	4182.8	4744.9	5978.9	7404.1	8516.9	9984.9	10351.5	10324.4	9377.1
47.5°	3587.9	3666.4	3903.2	4422.5	5655.1	7415.5	8799.4	10681.1	11134.7	11072.0	10069.1
50°	2776.2	2863.2	3508.0	4131.5	5245.7	7285.7	9026.2	11508.5	11878.0	11810.9	10658.2
52.5°	2448.1	2490.9	2751.9	3791.9	4820.5	6976.1	9207.4	12293.1	12696.9	12490.0	11347.3
55°	2308.3	2328.2	2446.6	3101.5	4445.3	6468.3	9311.5	13173.4	13400.2	13093.5	11989.3
57.5°	2157.0	2204.1	2264.0	2613.6	4027.3	5765.0	9247.3	13903.8	13940.9	13635.6	12537.1
60°	2014.4	2034.4	2158.5	2342.5	3546.6	5038.8	8885.0	14358.9	14490.1	14114.9	13196.2
62.5°	1887.4	1923.1	1995.8	2168.5	3225.6	4473.9	8240.1	14534.4	14776.9	14532.9	13641.3
65°	1767.6	1779.0	1861.7	2018.7	2870.4	4195.7	7867.8	14257.6	14651.3	14612.8	13836.7
67.5°	1626.3	1639.2	1711.9	1820.4	2426.7	3886.1	6897.7	13866.7	14197.7	14328.9	13725.5
70°	1442.3	1452.3	1537.9	1602.1	2034.4	3429.6	5792.1	13267.5	13625.6	13504.3	12977.9
72.5°	1231.2	1246.9	1315.3	1395.2	1692.0	2891.7	4536.6	12013.5	12833.8	12753.9	11868.0
75°	994.4	1018.6	1074.2	1169.8	1375.3	2296.9	3211.3	9721.0	11472.8	11592.7	10241.7
77.5°	470.8	495.0	545.0	624.9	833.1	1602.1	1757.6	5479.6	8934.9	9676.7	8245.8
80°	154.1	156.9	369.5	422.3	529.3	987.2	717.6	1787.5	2646.4	4475.3	4435.3
82.5°	82.7	89.9	199.7	245.4	265.4	265.4	209.7	788.9	1114.2	1362.4	1577.8
85°	44.2	45.7	69.9	84.2	91.3	72.8	54.2	325.3	522.1	652.0	646.3
87.5°	18.5	20.0	21.4	18.5	15.7	10.0	7.1	5.7	5.7	5.7	5.7
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: P553585

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6	3904.6
2.5°	3880.4	3860.4	3850.4	3809.1	3763.4	3714.9	3676.4	3677.8	3707.8	3730.6	3729.2
5°	3924.6	3874.7	3813.3	3716.3	3676.4	3640.7	3597.9	3540.9	3559.4	3582.2	3599.4
7.5°	3948.9	3884.7	3801.9	3657.8	3592.2	3515.2	3475.2	3401.1	3369.7	3392.5	3392.5
10°	3940.3	3874.7	3732.0	3626.5	3498.1	3376.8	3296.9	3278.4	3251.3	3247.0	3245.6
12.5°	3997.4	3900.4	3689.2	3533.7	3416.7	3261.2	3175.6	3158.5	3164.2	3128.6	3134.3
15°	4053.0	3943.2	3652.1	3490.9	3309.7	3127.1	3058.7	2995.9	3024.4	2994.5	3001.6
17.5°	4152.9	4020.2	3632.2	3405.3	3172.8	3014.4	2891.7	2820.4	2817.6	2813.3	2801.9
20°	4267.0	4083.0	3629.3	3331.1	3061.5	2873.2	2697.7	2619.3	2562.2	2582.2	2583.6
22.5°	4473.9	4201.4	3659.3	3262.7	2906.0	2694.9	2515.1	2395.3	2326.8	2338.2	2339.6
25°	4767.7	4449.6	3737.7	3204.2	2776.2	2488.0	2311.1	2159.9	2077.2	2078.6	2101.4
27.5°	5194.3	4746.3	3863.3	3154.2	2637.8	2292.6	2052.9	1904.5	1814.7	1813.2	1828.9
30°	5616.6	5117.3	4043.0	3082.9	2462.3	2030.1	1759.0	1640.6	1585.0	1547.9	1556.4
32.5°	6034.6	5515.3	4277.0	3045.8	2256.9	1720.5	1493.7	1412.3	1342.4	1274.0	1281.1
35°	6508.2	5889.1	4512.4	2971.6	2010.1	1463.7	1305.4	1194.1	1104.2	1068.5	1061.4
37.5°	7064.6	6324.2	4675.0	2908.9	1717.6	1291.1	1098.5	1015.8	957.3	918.7	913.0
40°	7555.4	6689.4	4854.8	2761.9	1436.6	1135.6	917.3	873.1	866.0	836.0	831.7
42.5°	8051.8	7137.4	4977.5	2569.3	1244.0	937.3	784.6	810.3	850.3	831.7	831.7
45°	8558.3	7605.3	5001.7	2281.2	1060.0	793.2	751.8	800.3	856.0	860.2	858.8
47.5°	9113.2	8020.4	5048.8	1868.9	928.7	756.1	746.1	786.1	857.4	883.1	877.4
50°	9742.4	8469.8	4917.5	1425.2	850.3	760.4	751.8	770.4	847.4	875.9	866.0
52.5°	10354.4	8902.1	4700.7	1087.1	800.3	764.7	781.8	767.5	823.2	851.7	863.1
55°	10922.2	9378.6	4241.3	967.2	766.1	759.0	806.0	780.4	800.3	808.9	824.6
57.5°	11497.1	9729.5	3753.4	907.3	747.5	751.8	791.8	780.4	793.2	783.2	770.4
60°	12036.4	10099.0	3124.3	851.7	727.6	747.5	763.2	760.4	768.9	750.4	741.8
62.5°	12494.3	10298.7	2466.6	803.2	710.5	727.6	724.7	739.0	740.4	719.0	713.3
65°	12704.0	10384.3	1883.1	759.0	684.8	701.9	687.6	690.5	691.9	663.4	661.9
67.5°	12491.4	9913.6	1291.1	693.3	657.7	679.1	652.0	647.7	637.7	609.2	610.6
70°	11870.9	9127.5	861.7	599.2	599.2	636.3	620.6	610.6	586.3	559.2	567.8
72.5°	10484.2	7792.2	559.2	483.6	526.4	586.3	579.2	564.9	507.9	430.8	433.7
75°	8967.7	6184.4	372.3	352.4	402.3	507.9	482.2	448.0	425.1	449.4	479.3
77.5°	6983.3	3943.2	208.3	202.6	238.2	356.7	402.3	409.4	579.2	687.6	680.5
80°	3625.0	2003.0	121.3	99.9	141.2	239.7	316.7	430.8	719.0	542.1	525.0
82.5°	1425.2	750.4	74.2	52.8	62.8	98.4	209.7	619.2	545.0	273.9	262.5
85°	487.9	169.8	30.0	27.1	30.0	41.4	82.7	555.0	282.5	174.0	165.5
87.5°	5.7	5.7	7.1	8.6	10.0	10.0	22.8	263.9	131.2	81.3	78.5
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)