

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: P553560

Luminaire Tested: **VERD-G-CA2-150-730-U-T2-HSS**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553560  
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-CA2-150-730-U-T2-HSS  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 3000K, 1380mA LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19508 lumens  
Efficiency: N/A  
Efficacy: 128.2 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

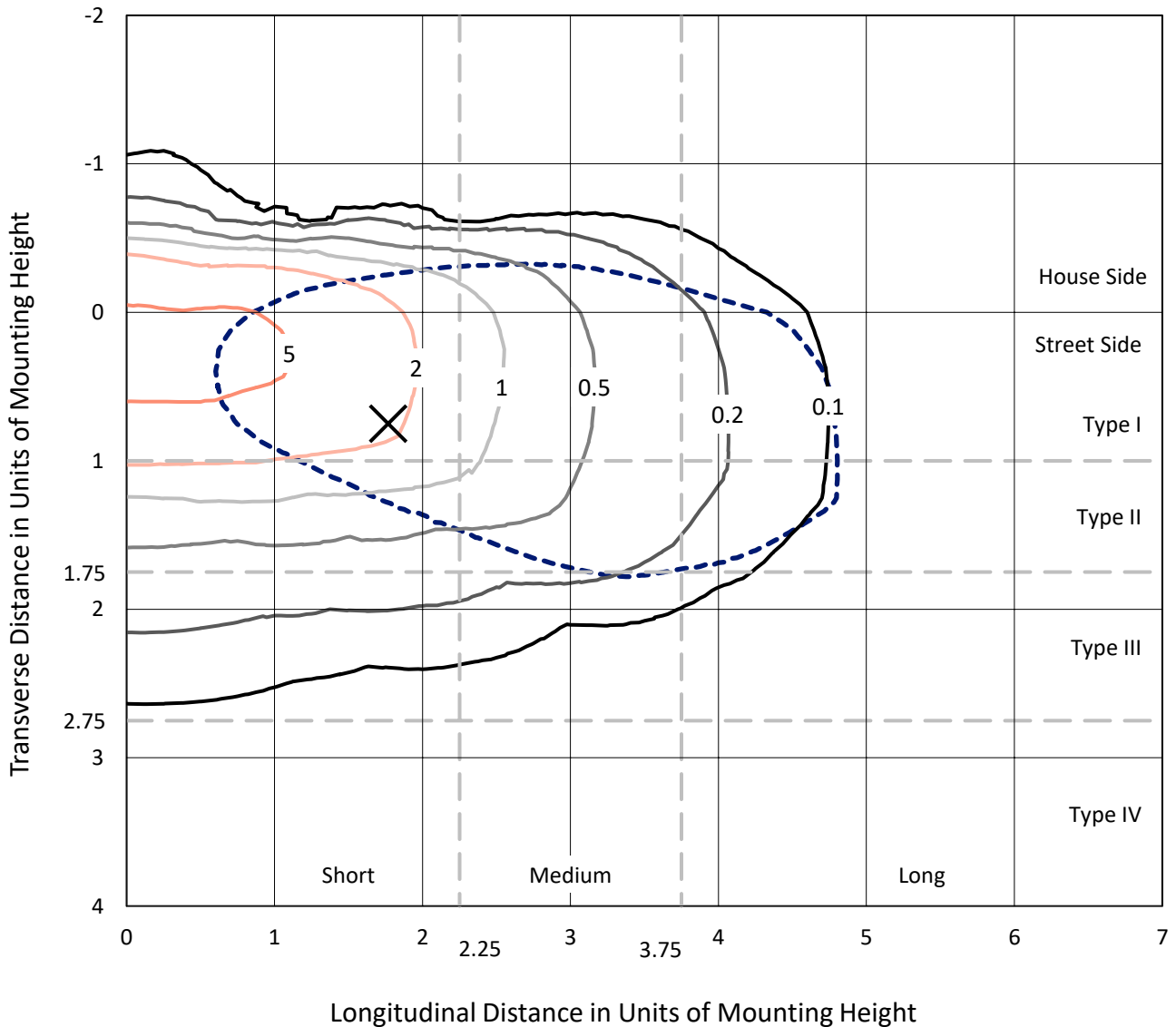
Input Watts (W): 152.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

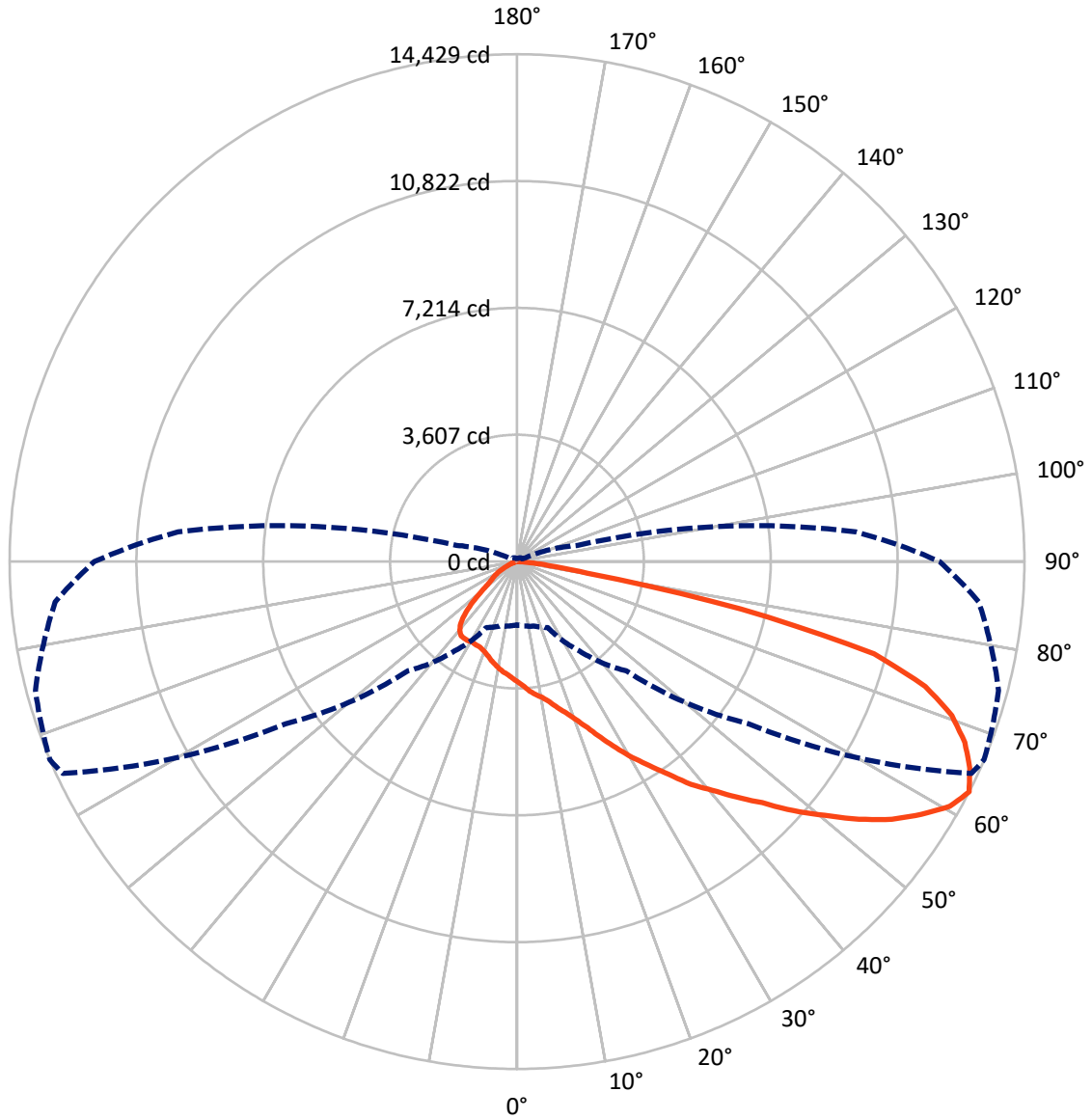
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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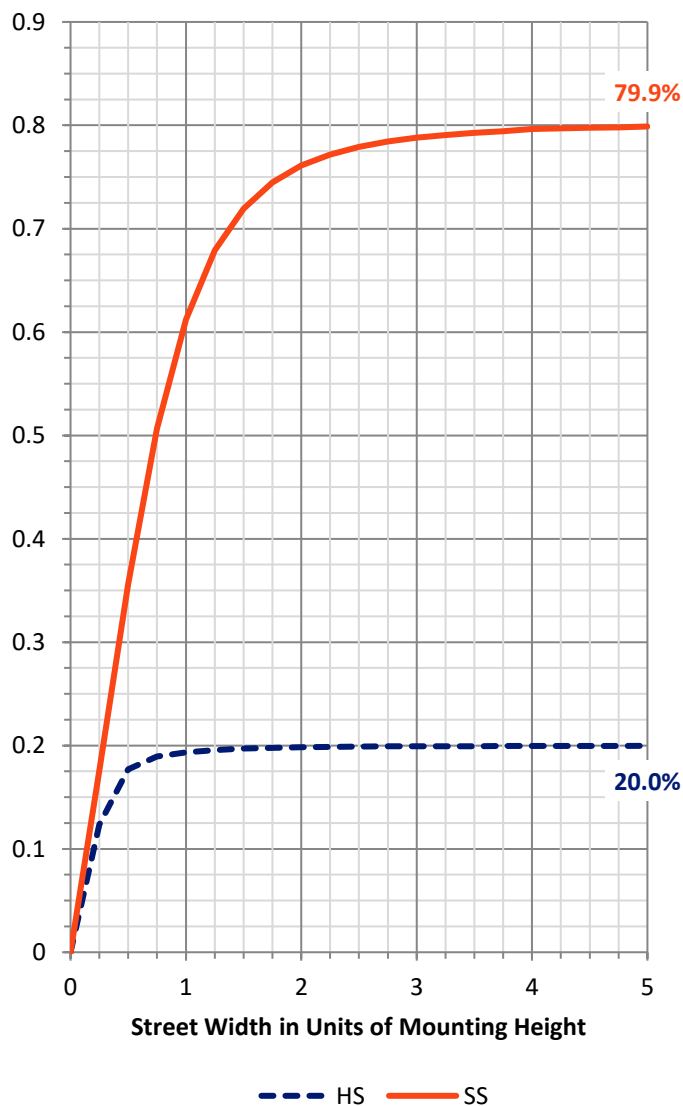
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3942.1	0.0	3942.1
	% Fixture	20.2	0.0	20.2
<b>Street Side</b>	Lumens	15565.9	0.0	15565.9
	% Fixture	79.8	0.0	79.8
<b>Total</b>	Lumens	19508.0	0.0	19508.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	331.2	1.7
10°-20°	998.9	5.1
20°-30°	1703.9	8.7
30°-40°	2496.2	12.8
40°-50°	3294.2	16.9
50°-60°	3876.7	19.9
60°-70°	3987.2	20.4
70°-80°	2583.3	13.2
80°-90°	236.5	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°	19508.0	100.0
0°-180°	19508.0	100.0

**Coefficient of Utilization**



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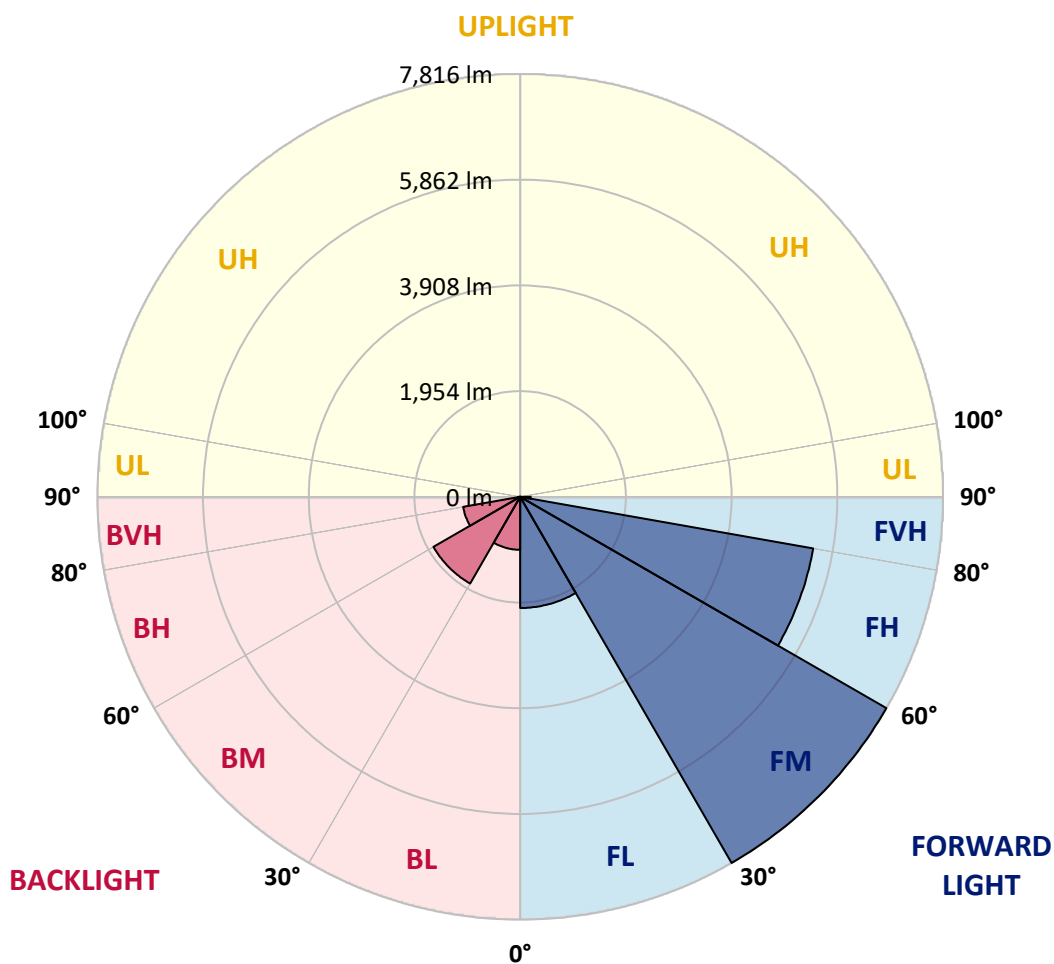
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2054.2	10.5			
FM (30°-60°)	7815.9	40.1			
FH (60°-80°)	5500.2	28.2			G3/7500
FVH (80°-90°)	195.6	1.0			G2/225
BL (0°-30°)	979.8	5.0	B2/1000		
BM (30°-60°)	1851.2	9.5	B2/2500		
BH (60°-80°)	1070.3	5.5	B3/2500		G3/2500
BVH (80°-90°)	40.9	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3427.7	3427.7	3427.7	3427.7	3427.7	3427.7	3427.7	3427.7	3427.7	3427.7	3427.7
2.5°	3801.5	3797.3	3756.6	3718.6	3693.3	3691.9	3625.9	3566.8	3540.1	3509.2	3440.3
5°	3998.3	4032.0	3987.0	3930.8	3885.8	3852.1	3794.5	3727.0	3698.9	3625.9	3521.9
7.5°	4283.6	4283.6	4241.4	4193.6	4141.6	4051.7	3953.3	3835.3	3821.2	3739.7	3603.4
10°	4421.3	4455.0	4400.2	4344.0	4286.4	4240.0	4106.5	3961.7	3926.6	3804.3	3635.7
12.5°	4613.8	4613.8	4584.3	4536.5	4470.5	4377.7	4292.0	4145.8	4086.8	3904.1	3693.3
15°	4795.1	4779.7	4754.4	4675.7	4641.9	4584.3	4471.9	4318.7	4307.5	4105.1	3781.8
17.5°	4937.1	4911.8	4887.9	4845.7	4805.0	4782.5	4702.4	4568.9	4522.5	4337.0	3949.1
20°	5010.1	5031.2	4973.6	4972.2	4984.8	4968.0	4914.6	4814.8	4795.1	4574.5	4119.1
22.5°	5093.1	5121.2	5107.1	5121.2	5159.1	5187.2	5184.4	5163.3	5132.4	4892.1	4393.2
25°	5111.3	5093.1	5152.1	5282.8	5378.3	5445.8	5577.9	5551.2	5542.8	5330.6	4765.6
27.5°	5055.1	5072.0	5164.7	5353.1	5599.0	5783.1	5891.3	6024.8	5995.3	5830.9	5213.9
30°	5021.4	5050.9	5173.2	5393.8	5724.1	6057.1	6270.8	6436.6	6461.9	6331.2	5655.2
32.5°	4904.7	4944.1	5070.6	5426.1	5846.3	6350.9	6616.5	6925.7	6914.4	6861.0	6192.1
35°	4724.9	4776.9	4970.8	5384.0	5984.1	6615.1	6967.8	7417.5	7426.0	7448.5	6702.2
37.5°	4580.1	4597.0	4817.6	5258.9	6038.9	6828.7	7295.3	7903.8	8040.1	8007.8	7281.2
40°	4348.2	4398.8	4637.7	5105.7	6033.3	6973.4	7628.3	8473.0	8546.1	8647.2	7886.9
42.5°	4062.9	4117.7	4346.8	4897.7	5954.5	7099.9	7948.8	9053.4	9156.0	9314.8	8442.1
45°	3788.9	3812.8	4027.8	4594.2	5801.4	7199.7	8260.8	9625.4	9782.8	10010.4	9001.4
47.5°	3447.4	3512.0	3752.3	4276.5	5462.7	7236.2	8491.2	10300.0	10589.5	10728.6	9639.4
50°	2651.9	2692.7	3367.3	3996.9	5094.5	7122.4	8790.6	11155.8	11338.5	11483.3	10285.9
52.5°	2337.1	2373.7	2635.1	3673.6	4684.1	6827.3	8973.3	11951.3	12171.9	12141.0	10935.2
55°	2205.0	2223.3	2335.7	2997.7	4310.3	6279.2	9101.2	12819.8	12939.2	12739.7	11578.8
57.5°	2051.8	2072.9	2157.2	2512.8	3888.7	5584.9	8994.4	13515.4	13560.4	13313.1	12152.2
60°	1915.5	1929.6	2056.1	2248.6	3430.5	4911.8	8724.5	14015.7	14140.8	13734.7	12770.6
62.5°	1798.9	1832.6	1898.7	2068.7	3110.1	4390.4	8041.5	14251.8	14428.9	14176.0	13181.0
65°	1683.6	1699.1	1775.0	1925.4	2765.8	4082.6	7650.8	13941.3	14147.9	14235.0	13433.9
67.5°	1526.2	1548.7	1623.2	1731.4	2307.6	3783.3	6738.7	13436.7	13731.9	13924.4	13283.6
70°	1342.1	1361.8	1437.7	1527.6	1926.8	3342.0	5687.5	12922.4	13116.3	13129.0	12611.8
72.5°	1128.5	1146.8	1222.7	1312.6	1599.3	2782.6	4457.8	11703.9	12138.2	12413.6	11484.7
75°	718.1	796.8	985.2	1086.4	1316.8	2251.4	3180.4	9344.3	10485.5	11272.5	9938.8
77.5°	116.6	130.7	386.5	550.9	765.9	1526.2	1766.5	5177.4	6512.5	9420.2	8024.7
80°	88.5	99.8	140.5	373.8	491.9	950.0	695.7	1680.8	2026.5	4404.4	4495.8
82.5°	37.9	45.0	84.3	209.4	231.9	253.0	186.9	751.9	889.6	1339.3	1560.0
85°	12.6	16.9	39.4	66.1	73.1	56.2	40.8	297.9	366.8	642.3	594.5
87.5°	0.0	1.4	8.4	9.8	8.4	5.6	4.2	2.8	2.8	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3427.7	3427.7	3427.7	3427.7	3427.7	3427.7	3427.7	3427.7	3427.7	3427.7	3427.7
2.5°	3426.3	3378.5	3372.9	3315.3	3263.3	3204.2	3167.7	3155.1	3171.9	3188.8	3205.6
5°	3468.5	3395.4	3322.3	3202.8	3149.4	3084.8	2999.1	2947.1	2923.2	2944.2	2951.3
7.5°	3499.4	3405.2	3292.8	3129.8	3014.5	2890.8	2809.3	2722.2	2674.4	2682.8	2689.9
10°	3505.0	3401.0	3209.9	3052.5	2867.0	2696.9	2590.1	2549.3	2517.0	2488.9	2493.1
12.5°	3557.0	3403.8	3139.6	2948.5	2753.1	2533.9	2414.4	2362.4	2356.8	2299.2	2293.6
15°	3627.3	3465.6	3103.1	2854.3	2604.1	2397.6	2255.6	2162.9	2165.7	2136.2	2131.9
17.5°	3741.1	3526.1	3076.4	2744.7	2448.2	2258.4	2078.5	1994.2	1967.5	1959.1	1952.1
20°	3869.0	3614.6	3044.0	2647.7	2311.8	2091.2	1890.2	1804.5	1730.0	1707.5	1710.3
22.5°	4057.3	3731.3	3070.7	2574.6	2160.1	1928.2	1728.6	1561.4	1433.5	1399.7	1395.5
25°	4390.4	3961.7	3150.8	2511.4	2065.9	1769.4	1500.9	1266.2	1097.6	1061.1	1063.9
27.5°	4761.4	4265.3	3261.9	2484.7	1946.4	1593.7	1224.1	962.7	805.3	763.1	765.9
30°	5201.3	4626.5	3430.5	2410.2	1818.5	1337.9	912.1	705.5	583.2	534.0	536.9
32.5°	5624.3	4987.7	3646.9	2399.0	1658.3	1004.8	659.1	513.0	413.2	376.6	380.9
35°	6090.9	5400.8	3874.6	2342.8	1395.5	721.0	462.4	355.6	302.2	290.9	289.5
37.5°	6619.3	5769.0	4043.2	2290.8	1044.2	507.3	316.2	274.0	267.0	251.6	251.6
40°	7109.8	6152.7	4169.7	2153.0	730.8	344.3	247.3	248.8	241.7	220.6	216.4
42.5°	7562.3	6549.0	4286.4	1932.4	494.7	234.7	222.0	226.3	229.1	205.2	199.6
45°	8075.3	7038.1	4261.1	1600.7	314.8	212.2	199.6	212.2	226.3	202.4	196.8
47.5°	8637.4	7396.5	4314.5	1155.2	222.0	201.0	185.5	202.4	213.6	198.2	189.7
50°	9272.6	7865.9	4152.9	671.8	203.8	189.7	178.5	185.5	202.4	193.9	184.1
52.5°	9854.4	8284.7	3932.2	328.9	192.5	178.5	167.2	172.9	189.7	179.9	182.7
55°	10344.9	8720.3	3483.9	234.7	185.5	165.8	161.6	163.0	172.9	160.2	168.6
57.5°	10946.4	9078.7	3028.6	219.2	179.9	157.4	158.8	147.6	150.4	143.3	134.9
60°	11481.9	9417.4	2410.2	202.4	171.5	161.6	143.3	127.9	119.5	115.2	113.8
62.5°	12017.3	9674.6	1776.4	184.1	163.0	146.2	126.5	109.6	95.6	89.9	88.5
65°	12219.7	9812.3	1212.8	168.6	153.2	133.5	112.4	88.5	73.1	67.5	63.2
67.5°	12069.3	9380.8	702.7	151.8	147.6	122.3	98.4	71.7	56.2	52.0	49.2
70°	11372.2	8703.5	375.2	137.7	129.3	108.2	87.1	59.0	45.0	39.4	37.9
72.5°	10173.5	7485.0	196.8	115.2	108.2	88.5	68.9	49.2	36.5	29.5	28.1
75°	8638.8	5875.8	137.7	84.3	74.5	68.9	52.0	39.4	29.5	22.5	21.1
77.5°	6818.9	3818.4	104.0	54.8	43.6	45.0	37.9	32.3	23.9	16.9	16.9
80°	3521.9	1984.4	78.7	36.5	25.3	26.7	26.7	23.9	18.3	12.6	12.6
82.5°	1396.9	730.8	54.8	21.1	15.5	16.9	15.5	15.5	12.6	8.4	8.4
85°	461.0	160.2	19.7	12.6	9.8	9.8	8.4	7.0	4.2	2.8	2.8
87.5°	4.2	4.2	5.6	7.0	7.0	5.6	4.2	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)