

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: P553512

Luminaire Tested: **VERD-G-CA2-140-730-U-T2-HSS**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553512  
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-CA2-140-730-U-T2-HSS  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 3000K, 1290mA LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18496 lumens  
Efficiency: N/A  
Efficacy: 129.9 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

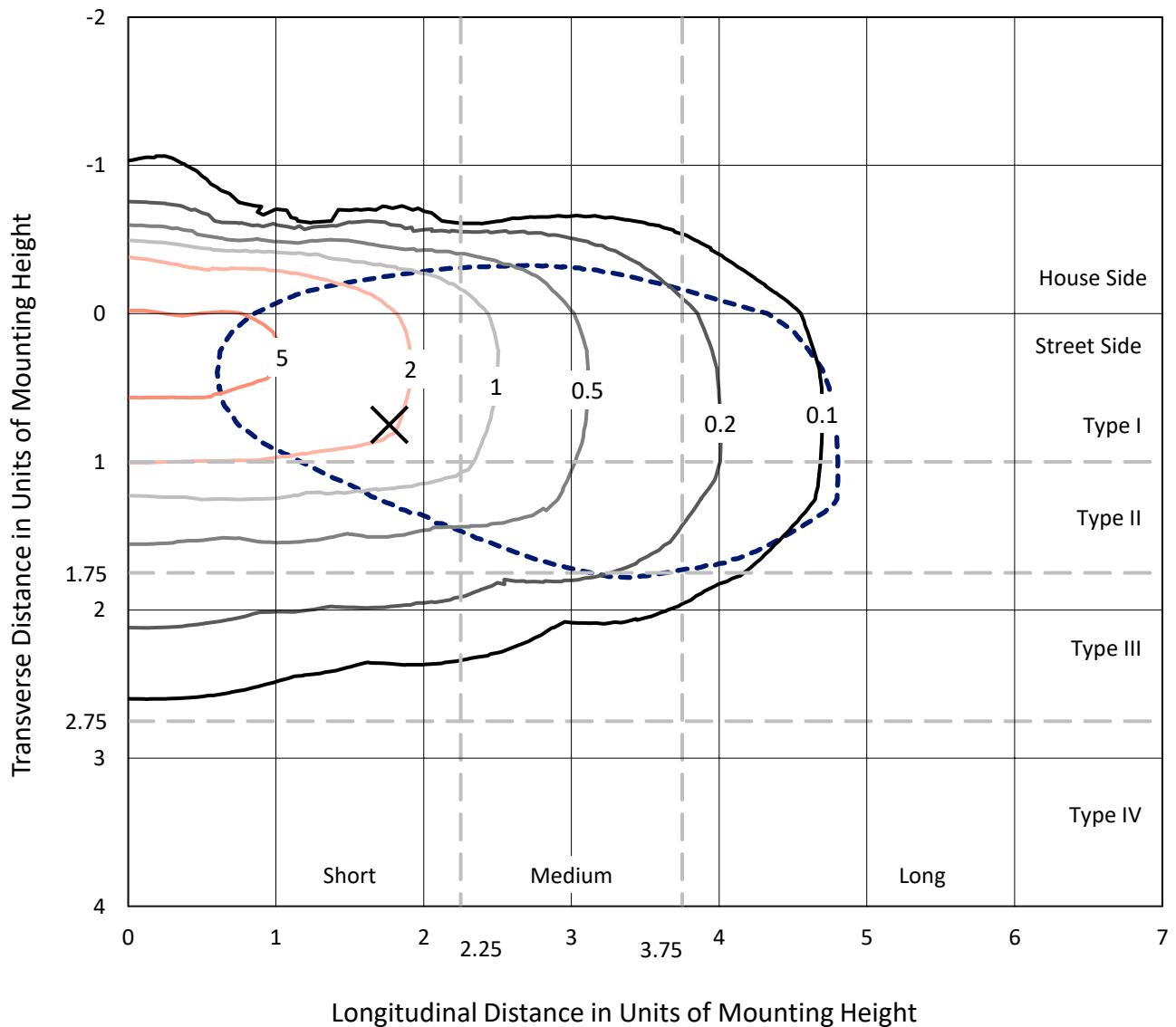
Input Watts (W): 142.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

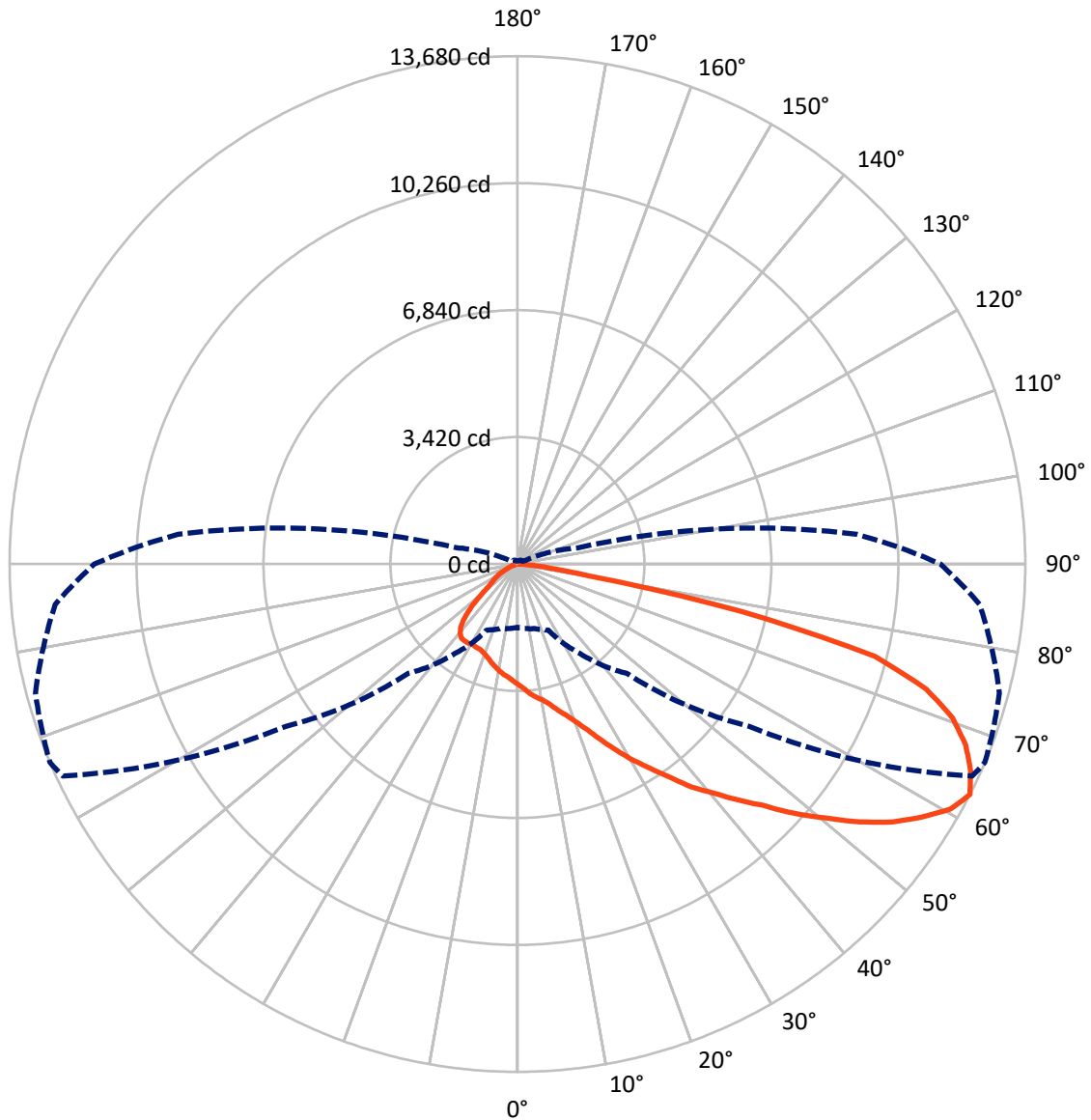
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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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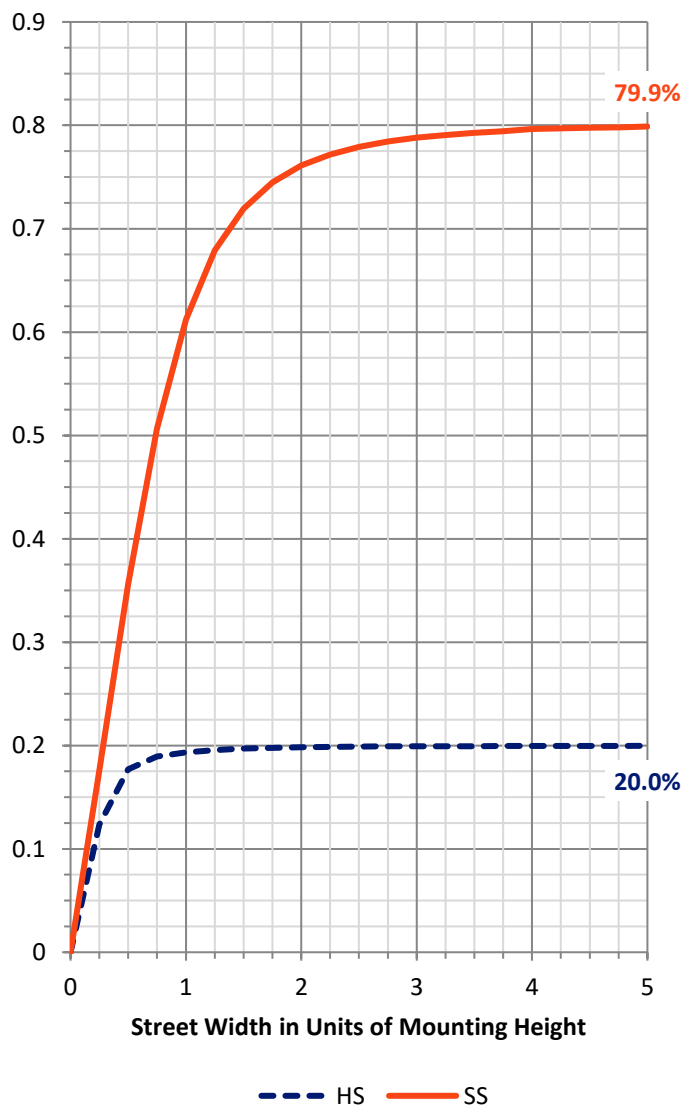
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3737.6	0.0	3737.6
	% Fixture	20.2	0.0	20.2
<b>Street Side</b>	Lumens	14758.4	0.0	14758.4
	% Fixture	79.8	0.0	79.8
<b>Total</b>	Lumens	18496.0	0.0	18496.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	314.0	1.7
10°-20°	947.1	5.1
20°-30°	1615.5	8.7
30°-40°	2366.7	12.8
40°-50°	3123.3	16.9
50°-60°	3675.6	19.9
60°-70°	3780.4	20.4
70°-80°	2449.3	13.2
80°-90°	224.2	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°	18496.0	100.0
0°-180°	18496.0	100.0

**Coefficient of Utilization**



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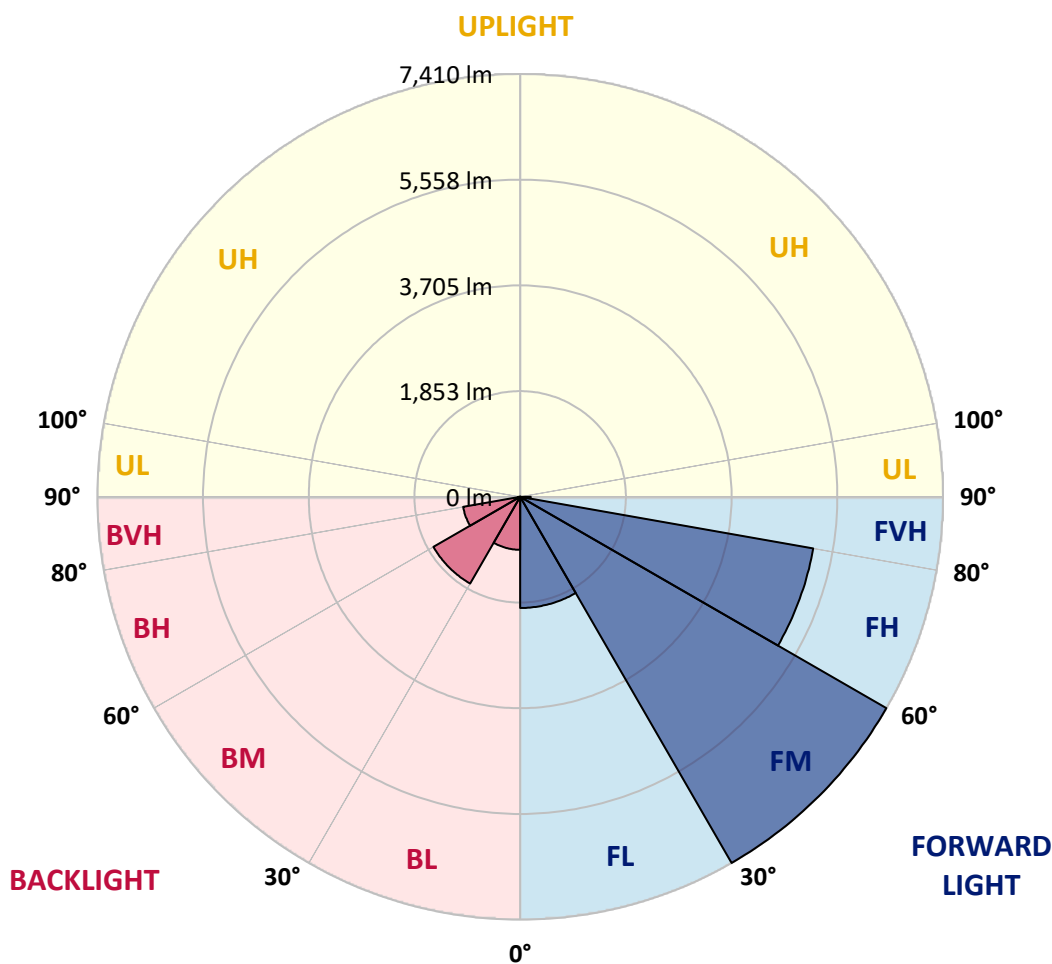
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1947.6	10.5			
FM (30°-60°)	7410.4	40.1			
FH (60°-80°)	5214.9	28.2			G3/7500
FVH (80°-90°)	185.4	1.0			G2/225
BL (0°-30°)	928.9	5.0	B2/1000		
BM (30°-60°)	1755.2	9.5	B2/2500		
BH (60°-80°)	1014.8	5.5	B3/2500		G3/2500
BVH (80°-90°)	38.8	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°	3249.9	3249.9	3249.9	3249.9	3249.9	3249.9	3249.9	3249.9	3249.9	3249.9	3249.9
2.5°	3604.3	3600.3	3561.7	3525.7	3501.7	3500.4	3437.8	3381.8	3356.5	3327.2	3261.9
5°	3790.9	3822.8	3780.2	3726.9	3684.3	3652.3	3597.7	3533.7	3507.0	3437.8	3339.2
7.5°	4061.4	4061.4	4021.4	3976.1	3926.8	3841.5	3748.2	3636.3	3623.0	3545.7	3416.4
10°	4191.9	4223.9	4171.9	4118.6	4064.0	4020.0	3893.5	3756.2	3722.9	3607.0	3447.1
12.5°	4374.5	4374.5	4346.5	4301.2	4238.6	4150.6	4069.3	3930.8	3874.8	3701.6	3501.7
15°	4546.4	4531.7	4507.7	4433.1	4401.1	4346.5	4239.9	4094.7	4084.0	3892.1	3585.7
17.5°	4680.9	4657.0	4634.3	4594.3	4555.7	4534.4	4458.4	4331.8	4287.9	4112.0	3744.2
20°	4750.2	4770.2	4715.6	4714.3	4726.3	4710.3	4659.6	4565.0	4546.4	4337.2	3905.5
22.5°	4828.8	4855.5	4842.2	4855.5	4891.5	4918.1	4915.5	4895.5	4866.2	4638.3	4165.3
25°	4846.2	4828.8	4884.8	5008.7	5099.3	5163.3	5288.5	5263.2	5255.2	5054.0	4518.4
27.5°	4792.9	4808.9	4896.8	5075.4	5308.5	5483.1	5585.7	5712.3	5684.3	5528.4	4943.4
30°	4760.9	4788.9	4904.8	5114.0	5427.1	5742.9	5945.5	6102.7	6126.7	6002.8	5361.8
32.5°	4650.3	4687.6	4807.5	5144.6	5543.1	6021.4	6273.2	6566.4	6555.7	6505.1	5870.8
35°	4479.7	4529.0	4712.9	5104.7	5673.6	6271.9	6606.4	7032.7	7040.7	7062.1	6354.5
37.5°	4342.5	4358.5	4567.7	4986.1	5725.6	6474.4	6916.8	7493.8	7623.0	7592.4	6903.5
40°	4122.6	4170.6	4397.1	4840.8	5720.3	6611.7	7232.6	8033.4	8102.7	8198.7	7477.8
42.5°	3852.2	3904.1	4121.3	4643.6	5645.7	6731.6	7536.4	8583.7	8681.0	8831.6	8004.1
45°	3592.3	3615.0	3818.8	4355.8	5500.4	6826.2	7832.2	9126.0	9275.3	9491.1	8534.4
47.5°	3268.5	3329.8	3557.7	4054.7	5179.3	6860.9	8050.7	9765.6	10040.1	10172.0	9139.4
50°	2514.4	2553.0	3192.6	3789.5	4830.2	6752.9	8334.6	10577.1	10750.3	10887.6	9752.3
52.5°	2215.9	2250.5	2498.4	3483.1	4441.1	6473.1	8507.8	11331.3	11540.5	11511.2	10367.9
55°	2090.6	2108.0	2214.6	2842.1	4086.7	5953.4	8629.0	12154.7	12268.0	12078.8	10978.2
57.5°	1945.4	1965.4	2045.3	2382.4	3686.9	5295.2	8527.8	12814.3	12856.9	12622.4	11521.8
60°	1816.1	1829.5	1949.4	2131.9	3252.5	4657.0	8271.9	13288.7	13407.3	13022.2	12108.1
62.5°	1705.6	1737.5	1800.2	1961.4	2948.7	4162.6	7624.4	13512.5	13680.4	13440.6	12497.2
65°	1596.3	1610.9	1682.9	1825.5	2622.3	3870.8	7253.9	13218.0	13413.9	13496.5	12737.0
67.5°	1447.1	1468.4	1539.0	1641.6	2187.9	3587.0	6389.2	12739.7	13019.5	13202.1	12594.5
70°	1272.5	1291.2	1363.1	1448.4	1826.8	3168.6	5392.5	12252.0	12435.9	12447.9	11957.5
72.5°	1070.0	1087.3	1159.2	1244.5	1516.3	2638.3	4226.6	11096.8	11508.5	11769.7	10888.9
75°	680.9	755.5	934.1	1030.0	1248.5	2134.6	3015.4	8859.6	9941.5	10687.7	9423.2
77.5°	110.6	123.9	366.4	522.3	726.2	1447.1	1674.9	4908.8	6174.6	8931.5	7608.4
80°	83.9	94.6	133.2	354.4	466.4	900.7	659.6	1593.6	1921.4	4175.9	4262.6
82.5°	36.0	42.6	79.9	198.5	219.9	239.8	177.2	712.9	843.4	1269.8	1479.0
85°	12.0	16.0	37.3	62.6	69.3	53.3	38.6	282.5	347.8	608.9	563.6
87.5°	0.0	1.3	8.0	9.3	8.0	5.3	4.0	2.7	2.7	4.0	4.0
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°	3249.9	3249.9	3249.9	3249.9	3249.9	3249.9	3249.9	3249.9	3249.9	3249.9	3249.9
2.5°	3248.5	3203.2	3197.9	3143.3	3094.0	3038.0	3003.4	2991.4	3007.4	3023.4	3039.4
5°	3288.5	3219.2	3149.9	3036.7	2986.1	2924.8	2843.5	2794.2	2771.5	2791.5	2798.2
7.5°	3317.8	3228.6	3122.0	2967.4	2858.1	2740.9	2663.6	2581.0	2535.7	2543.7	2550.3
10°	3323.2	3224.6	3043.3	2894.1	2718.2	2557.0	2455.7	2417.1	2386.4	2359.8	2363.8
12.5°	3372.5	3227.2	2976.7	2795.5	2610.3	2402.4	2289.2	2239.9	2234.5	2179.9	2174.6
15°	3439.1	3285.9	2942.1	2706.2	2469.1	2273.2	2138.6	2050.7	2053.3	2025.3	2021.3
17.5°	3547.0	3343.2	2916.8	2602.3	2321.2	2141.3	1970.7	1890.8	1865.4	1857.5	1850.8
20°	3668.3	3427.1	2886.1	2510.4	2191.9	1982.7	1792.2	1710.9	1640.3	1618.9	1621.6
22.5°	3846.8	3537.7	2911.4	2441.1	2048.0	1828.1	1638.9	1480.4	1359.1	1327.1	1323.1
25°	4162.6	3756.2	2987.4	2381.1	1958.7	1677.6	1423.1	1200.6	1040.7	1006.0	1008.7
27.5°	4514.4	4044.0	3092.6	2355.8	1845.5	1511.0	1160.6	912.7	763.5	723.5	726.2
30°	4931.4	4386.5	3252.5	2285.2	1724.2	1268.5	864.8	668.9	553.0	506.3	509.0
32.5°	5332.5	4728.9	3457.7	2274.5	1572.3	952.7	624.9	486.3	391.7	357.1	361.1
35°	5774.9	5120.7	3673.6	2221.2	1323.1	683.6	438.4	337.1	286.5	275.8	274.5
37.5°	6275.9	5469.8	3833.5	2171.9	990.0	481.0	299.8	259.8	253.2	238.5	238.5
40°	6740.9	5833.5	3953.4	2041.3	692.9	326.5	234.5	235.8	229.2	209.2	205.2
42.5°	7170.0	6209.3	4064.0	1832.1	469.0	222.5	210.5	214.5	217.2	194.5	189.2
45°	7656.3	6673.0	4040.0	1517.7	298.5	201.2	189.2	201.2	214.5	191.9	186.5
47.5°	8189.3	7012.8	4090.7	1095.3	210.5	190.5	175.9	191.9	202.5	187.9	179.9
50°	8791.6	7457.8	3937.4	636.9	193.2	179.9	169.2	175.9	191.9	183.9	174.6
52.5°	9343.2	7854.9	3728.2	311.8	182.5	169.2	158.6	163.9	179.9	170.6	173.2
55°	9808.3	8267.9	3303.2	222.5	175.9	157.2	153.2	154.6	163.9	151.9	159.9
57.5°	10378.6	8607.7	2871.5	207.9	170.6	149.2	150.6	139.9	142.6	135.9	127.9
60°	10886.2	8928.8	2285.2	191.9	162.6	153.2	135.9	121.3	113.3	109.3	107.9
62.5°	11393.9	9172.7	1684.2	174.6	154.6	138.6	119.9	103.9	90.6	85.3	83.9
65°	11585.8	9303.3	1149.9	159.9	145.2	126.6	106.6	83.9	69.3	64.0	60.0
67.5°	11443.2	8894.2	666.2	143.9	139.9	115.9	93.3	68.0	53.3	49.3	46.6
70°	10782.3	8252.0	355.8	130.6	122.6	102.6	82.6	56.0	42.6	37.3	36.0
72.5°	9645.7	7096.7	186.5	109.3	102.6	83.9	65.3	46.6	34.6	28.0	26.6
75°	8190.7	5571.0	130.6	79.9	70.6	65.3	49.3	37.3	28.0	21.3	20.0
77.5°	6465.1	3620.3	98.6	52.0	41.3	42.6	36.0	30.6	22.7	16.0	16.0
80°	3339.2	1881.4	74.6	34.6	24.0	25.3	25.3	22.7	17.3	12.0	12.0
82.5°	1324.5	692.9	52.0	20.0	14.7	16.0	14.7	14.7	12.0	8.0	8.0
85°	437.0	151.9	18.7	12.0	9.3	9.3	8.0	6.7	4.0	2.7	2.7
87.5°	4.0	4.0	5.3	6.7	6.7	5.3	4.0	1.3	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)