

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: P553633

Luminaire Tested: **VERD-G-CA2-160-760-U-T2**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553633
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-CA2-160-760-U-T2
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1460mA LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22873 lumens
Efficiency: N/A
Efficacy: 140.7 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): 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

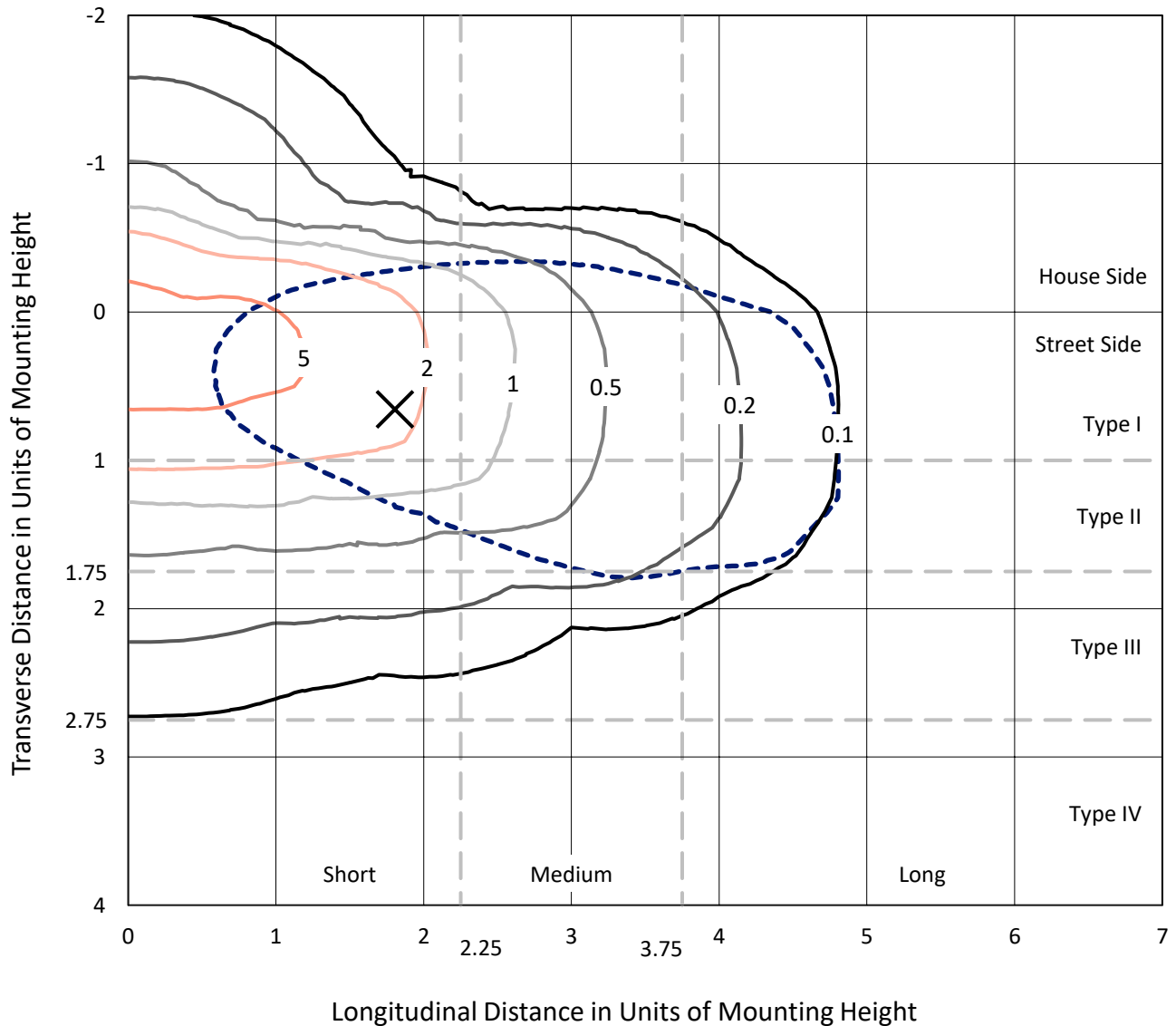


REPORT NUMBER: P553633

CATALOG NUMBER: VERD-G-CA2-160-760-U-T2

Iso-Footcandle Lines of Horizontal Illumination

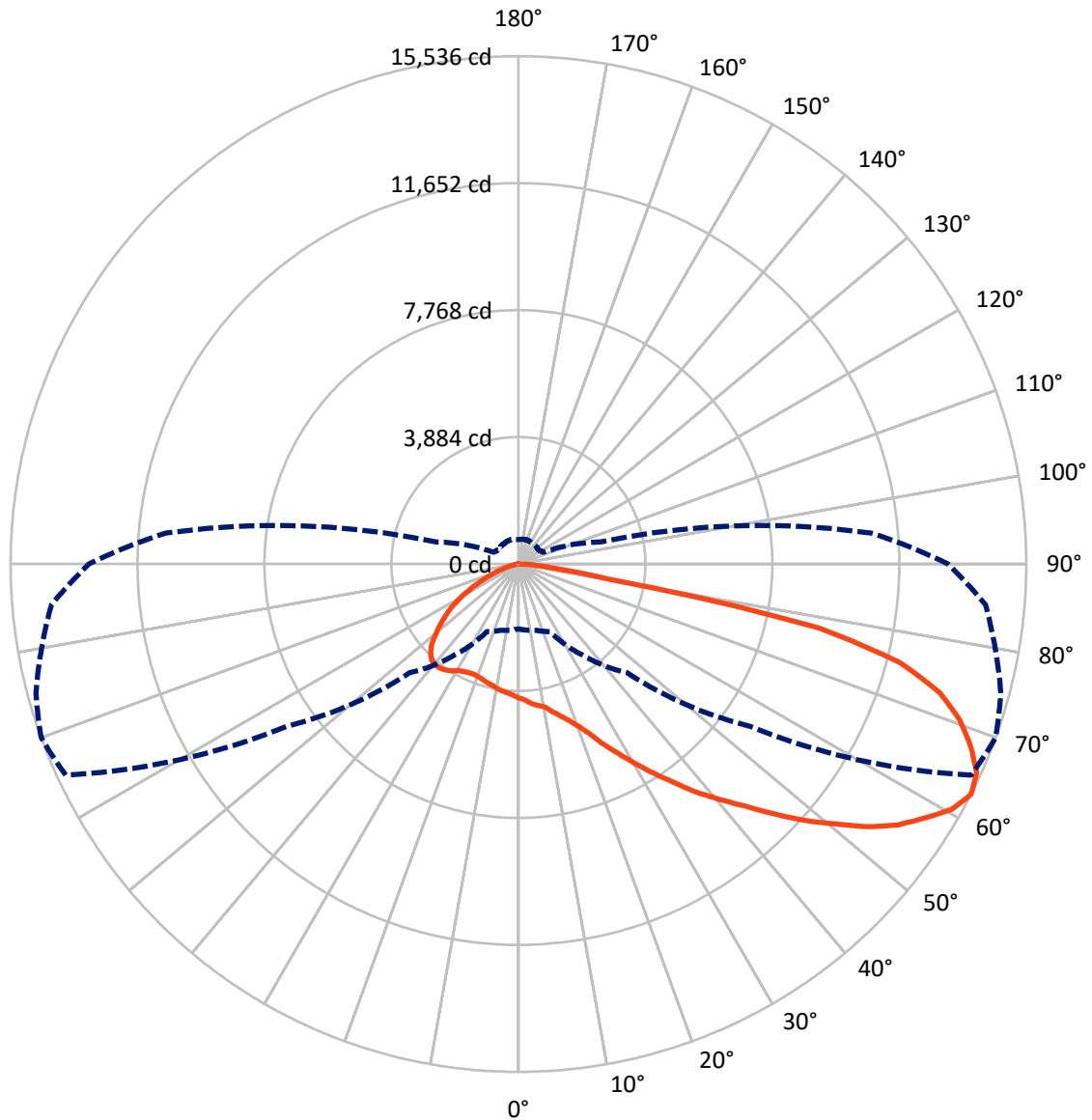
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Short - N/A

REPORT NUMBER: P553633
CATALOG NUMBER: VERD-G-CA2-160-760-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P553633

CATALOG NUMBER: VERD-G-CA2-160-760-U-T2

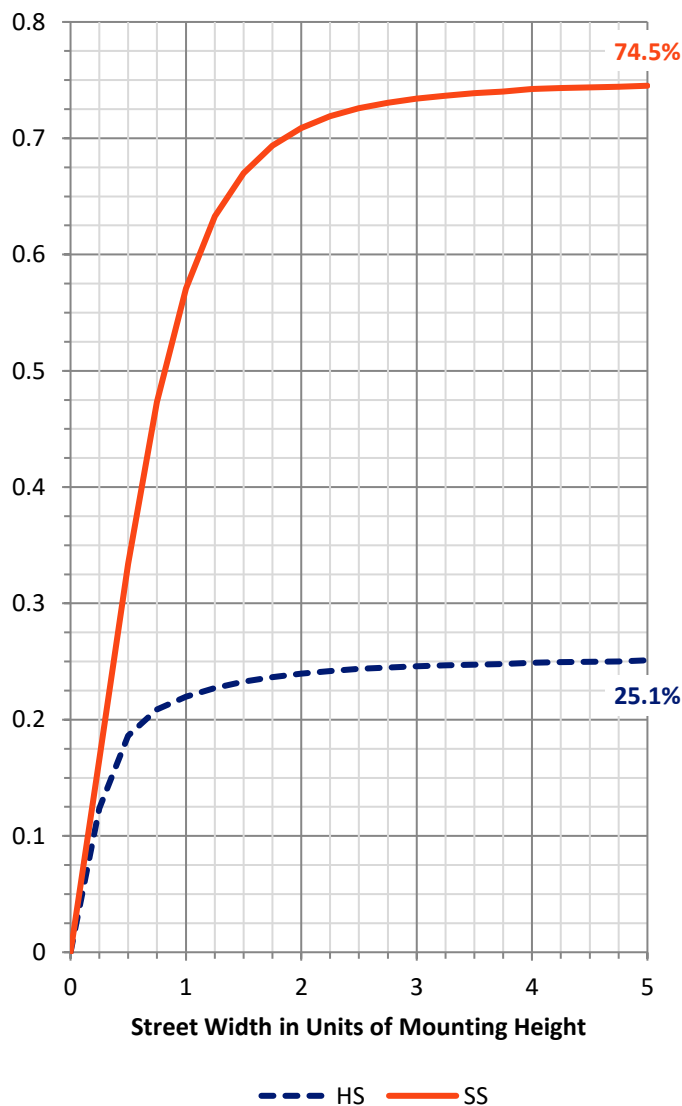
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5844.8	0.0	5844.8
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	17028.2	0.0	17028.2
	% Fixture	74.4	0.0	74.4
Total	Lumens	22873.0	0.0	22873.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.4	1.7
10°-20°	1205.9	5.3
20°-30°	2049.7	9.0
30°-40°	2949.5	12.9
40°-50°	3827.6	16.7
50°-60°	4486.9	19.6
60°-70°	4601.3	20.1
70°-80°	3019.3	13.2
80°-90°	336.4	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°	22873.0	100.0
0°-180°	22873.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553633

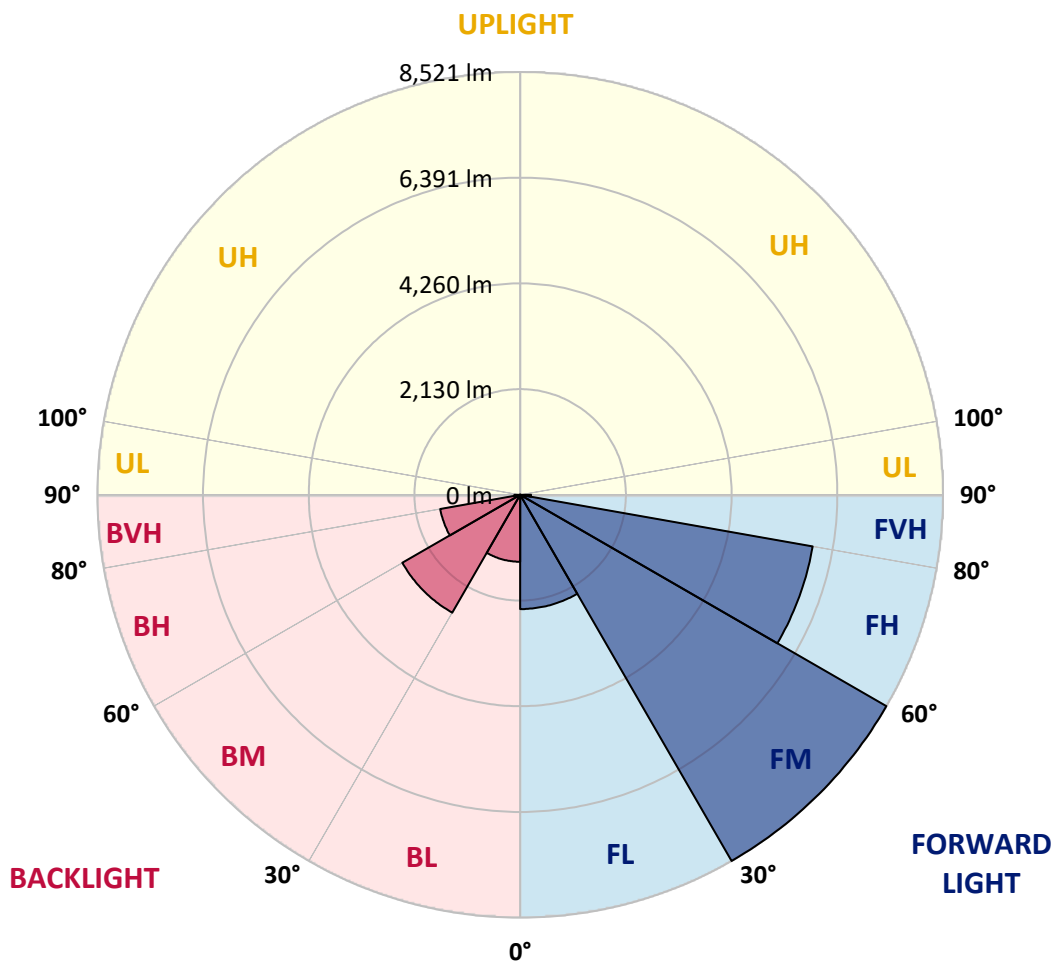
CATALOG NUMBER: VERD-G-CA2-160-760-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2302.3	10.1			
FM	(30°-60°)	8520.8	37.3			
FH	(60°-80°)	5985.7	26.2			G3/7500
FVH	(80°-90°)	219.3	1.0			G2/225
BL	(0°-30°)	1349.7	5.9	B3/2500		
BM	(30°-60°)	2743.1	12.0	B3/5000		
BH	(60°-80°)	1635.0	7.1	B3/2500		G3/2500
BVH	(80°-90°)	117.0	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





REPORT NUMBER: P553633

CATALOG NUMBER: VERD-G-CA2-160-760-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	4105.1	4105.1	4105.1	4105.1	4105.1	4105.1	4105.1	4105.1	4105.1	4105.1	4105.1
2.5°	4369.1	4385.6	4358.6	4333.1	4307.6	4292.6	4267.1	4195.1	4169.6	4147.1	4102.1
5°	4595.6	4618.1	4579.1	4498.1	4478.6	4415.6	4381.1	4319.6	4294.1	4255.1	4180.1
7.5°	4861.0	4864.0	4808.6	4783.1	4718.6	4633.1	4523.6	4411.1	4373.6	4333.1	4238.6
10°	5015.5	5047.0	4993.0	4913.5	4868.5	4792.1	4676.6	4528.1	4445.6	4373.6	4268.6
12.5°	5233.0	5240.5	5153.5	5108.5	5048.5	4952.5	4840.1	4711.1	4630.1	4496.6	4306.1
15°	5392.0	5396.5	5318.5	5270.5	5213.5	5156.5	5035.0	4900.0	4820.6	4687.1	4397.6
17.5°	5506.0	5525.5	5477.5	5443.0	5383.0	5342.5	5246.5	5140.0	5036.5	4916.5	4588.1
20°	5630.5	5641.0	5552.5	5567.5	5557.0	5539.0	5494.0	5393.5	5309.5	5150.5	4741.1
22.5°	5665.0	5647.0	5671.0	5729.5	5758.0	5779.0	5765.5	5743.0	5666.5	5468.5	5030.5
25°	5614.0	5636.5	5693.5	5821.0	5979.9	6074.4	6141.9	6158.4	6135.9	5946.9	5417.5
27.5°	5600.5	5590.0	5683.0	5900.5	6167.4	6387.9	6521.4	6647.4	6590.4	6471.9	5854.0
30°	5543.5	5539.0	5702.5	5926.0	6269.4	6678.9	6917.4	7130.3	7103.3	6983.4	6365.4
32.5°	5404.0	5434.0	5560.0	5946.9	6425.4	6960.9	7251.8	7601.3	7641.8	7553.3	6882.9
35°	5224.0	5234.5	5435.5	5891.5	6546.9	7208.3	7631.3	8117.2	8211.7	8208.7	7464.8
37.5°	4996.0	5056.0	5270.5	5753.5	6599.4	7434.8	7995.8	8666.2	8855.2	8826.7	8046.8
40°	4768.1	4805.6	5059.0	5578.0	6603.9	7586.3	8304.7	9252.6	9462.6	9467.1	8709.7
42.5°	4426.1	4489.1	4754.6	5347.0	6503.4	7715.3	8612.2	9867.6	10106.1	10140.6	9324.6
45°	4141.1	4162.1	4397.6	4988.5	6285.9	7784.3	8954.2	10497.5	10883.0	10854.5	9858.6
47.5°	3772.2	3854.6	4103.6	4649.6	5945.4	7796.3	9251.1	11229.5	11706.4	11640.4	10586.0
50°	2918.7	3010.2	3688.2	4343.6	5515.0	7659.8	9489.6	12099.4	12487.8	12417.3	11205.5
52.5°	2573.8	2618.8	2893.2	3986.6	5068.0	7334.3	9680.1	12924.3	13348.8	13131.3	11929.9
55°	2426.8	2447.8	2572.3	3260.7	4673.6	6800.4	9789.6	13849.7	14088.2	13765.7	12604.8
57.5°	2267.8	2317.3	2380.3	2747.7	4234.1	6060.9	9722.1	14617.6	14656.6	14335.7	13180.8
60°	2117.8	2138.8	2269.3	2462.8	3728.7	5297.5	9341.1	15096.1	15234.1	14839.6	13873.7
62.5°	1984.3	2021.8	2098.3	2279.8	3391.2	4703.6	8663.2	15280.6	15535.6	15279.1	14341.7
65°	1858.3	1870.3	1957.3	2122.3	3017.7	4411.1	8271.7	14989.6	15403.6	15363.1	14547.2
67.5°	1709.8	1723.3	1799.8	1913.8	2551.3	4085.6	7251.8	14578.6	14926.6	15064.6	14430.2
70°	1516.4	1526.9	1616.9	1684.3	2138.8	3605.7	6089.4	13948.7	14325.2	14197.7	13644.2
72.5°	1294.4	1310.9	1382.9	1466.9	1778.8	3040.2	4769.6	12630.3	13492.7	13408.8	12477.3
75°	1045.4	1070.9	1129.4	1229.9	1445.9	2414.8	3376.2	10220.1	12061.9	12187.9	10767.5
77.5°	495.0	520.5	572.9	656.9	875.9	1684.3	1847.8	5761.0	9393.6	10173.6	8669.2
80°	162.0	165.0	388.5	444.0	556.4	1037.9	754.4	1879.3	2782.2	4705.1	4663.1
82.5°	87.0	94.5	210.0	258.0	279.0	279.0	220.5	829.4	1171.4	1432.4	1658.8
85°	46.5	48.0	73.5	88.5	96.0	76.5	57.0	342.0	548.9	685.4	679.4
87.5°	19.5	21.0	22.5	19.5	16.5	10.5	7.5	6.0	6.0	6.0	6.0
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: P553633

CATALOG NUMBER: VERD-G-CA2-160-760-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4105.1	4105.1	4105.1	4105.1	4105.1	4105.1	4105.1	4105.1	4105.1	4105.1	4105.1
2.5°	4079.6	4058.6	4048.1	4004.6	3956.6	3905.6	3865.1	3866.6	3898.1	3922.1	3920.6
5°	4126.1	4073.6	4009.1	3907.1	3865.1	3827.6	3782.6	3722.7	3742.2	3766.2	3784.1
7.5°	4151.6	4084.1	3997.1	3845.6	3776.7	3695.7	3653.7	3575.7	3542.7	3566.7	3566.7
10°	4142.6	4073.6	3923.6	3812.6	3677.7	3550.2	3466.2	3446.7	3418.2	3413.7	3412.2
12.5°	4202.6	4100.6	3878.6	3715.2	3592.2	3428.7	3338.7	3320.7	3326.7	3289.2	3295.2
15°	4261.1	4145.6	3839.6	3670.2	3479.7	3287.7	3215.7	3149.7	3179.7	3148.2	3155.7
17.5°	4366.1	4226.6	3818.6	3580.2	3335.7	3169.2	3040.2	2965.2	2962.2	2957.7	2945.7
20°	4486.1	4292.6	3815.6	3502.2	3218.7	3020.7	2836.2	2753.7	2693.8	2714.7	2716.2
22.5°	4703.6	4417.1	3847.1	3430.2	3055.2	2833.2	2644.3	2518.3	2446.3	2458.3	2459.8
25°	5012.5	4678.1	3929.6	3368.7	2918.7	2615.8	2429.8	2270.8	2183.8	2185.3	2209.3
27.5°	5461.0	4990.0	4061.6	3316.2	2773.2	2410.3	2158.3	2002.3	1907.8	1906.3	1922.8
30°	5905.0	5380.0	4250.6	3241.2	2588.8	2134.3	1849.3	1724.8	1666.3	1627.3	1636.3
32.5°	6344.4	5798.5	4496.6	3202.2	2372.8	1808.8	1570.4	1484.9	1411.4	1339.4	1346.9
35°	6842.4	6191.4	4744.1	3124.2	2113.3	1538.9	1372.4	1255.4	1160.9	1123.4	1115.9
37.5°	7427.3	6648.9	4915.0	3058.2	1805.8	1357.4	1154.9	1067.9	1006.4	965.9	959.9
40°	7943.3	7032.8	5104.0	2903.7	1510.4	1193.9	964.4	917.9	910.4	878.9	874.4
42.5°	8465.2	7503.8	5233.0	2701.2	1307.9	985.4	824.9	851.9	893.9	874.4	874.4
45°	8997.7	7995.8	5258.5	2398.3	1114.4	833.9	790.4	841.4	899.9	904.4	902.9
47.5°	9581.1	8432.2	5308.0	1964.8	976.4	794.9	784.4	826.4	901.4	928.4	922.4
50°	10242.6	8904.7	5170.0	1498.4	893.9	799.4	790.4	809.9	890.9	920.9	910.4
52.5°	10886.0	9359.1	4942.0	1142.9	841.4	803.9	821.9	806.9	865.4	895.4	907.4
55°	11482.9	9860.1	4459.1	1016.9	805.4	797.9	847.4	820.4	841.4	850.4	866.9
57.5°	12087.4	10229.1	3946.1	953.9	785.9	790.4	832.4	820.4	833.9	823.4	809.9
60°	12654.3	10617.5	3284.7	895.4	764.9	785.9	802.4	799.4	808.4	788.9	779.9
62.5°	13135.8	10827.5	2593.3	844.4	746.9	764.9	761.9	776.9	778.4	755.9	749.9
65°	13356.3	10917.5	1979.8	797.9	719.9	737.9	722.9	725.9	727.4	697.4	695.9
67.5°	13132.8	10422.5	1357.4	728.9	691.4	713.9	685.4	680.9	670.4	640.4	641.9
70°	12480.3	9596.1	905.9	629.9	629.9	668.9	652.4	641.9	616.4	587.9	596.9
72.5°	11022.5	8192.2	587.9	508.5	553.4	616.4	608.9	593.9	534.0	453.0	456.0
75°	9428.1	6501.9	391.5	370.5	423.0	534.0	507.0	471.0	447.0	472.5	504.0
77.5°	7341.8	4145.6	219.0	213.0	250.5	375.0	423.0	430.5	608.9	722.9	715.4
80°	3811.1	2105.8	127.5	105.0	148.5	252.0	333.0	453.0	755.9	569.9	551.9
82.5°	1498.4	788.9	78.0	55.5	66.0	103.5	220.5	650.9	572.9	288.0	276.0
85°	513.0	178.5	31.5	28.5	31.5	43.5	87.0	583.4	297.0	183.0	174.0
87.5°	6.0	6.0	7.5	9.0	10.5	10.5	24.0	277.5	138.0	85.5	82.5
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)