

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: P509621

Luminaire Tested: **VERD-G-CA2-130-760-U-T2**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509621
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-2)
Test Lab: INNOVATION CENTER
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-130-760-U-T2
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1200mA LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18844 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

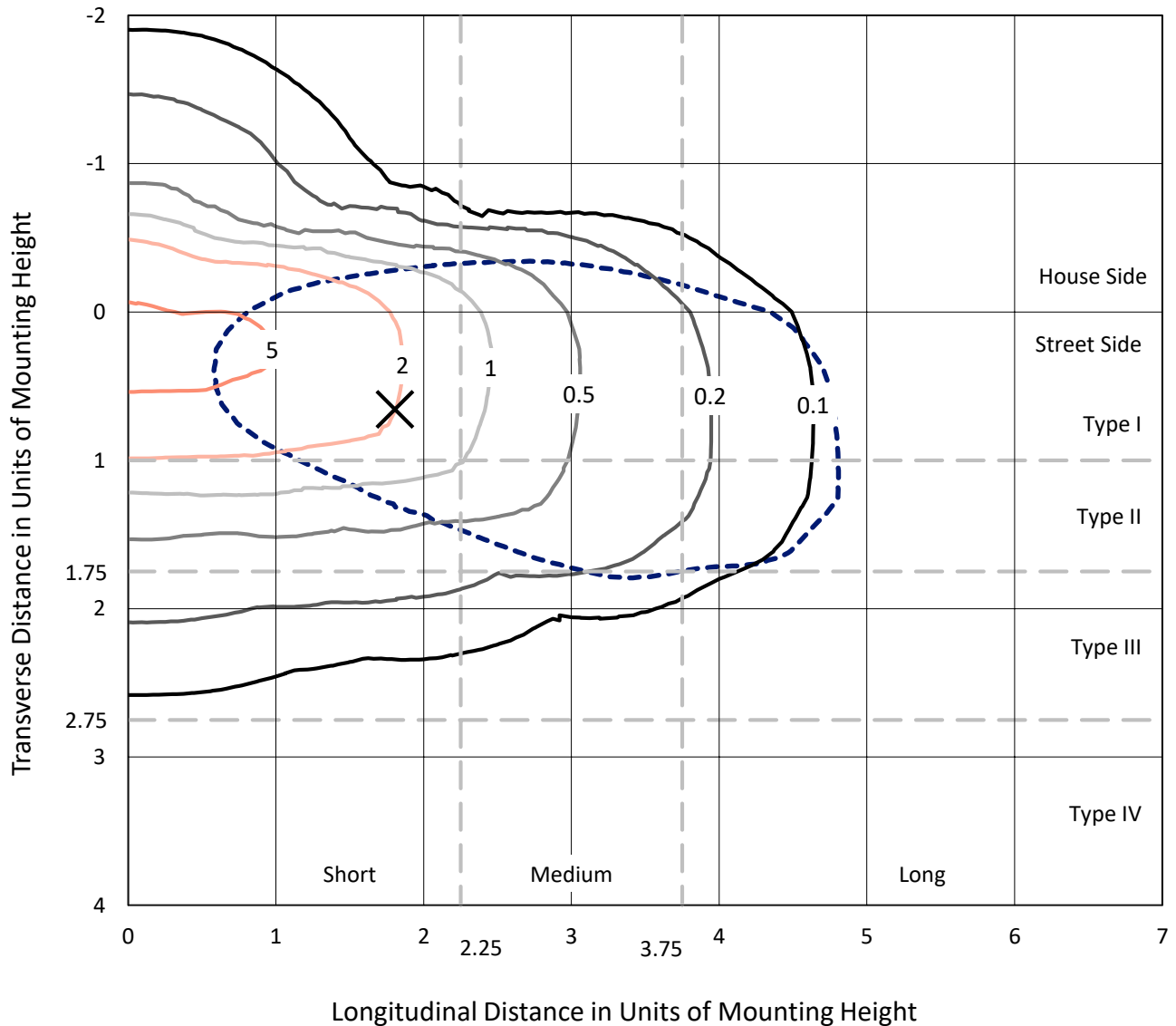
Input Watts (W): 133.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P509621
 CATALOG NUMBER: VERD-G-CA2-130-760-U-T2

Iso-Footcandle Lines of Horizontal Illumination

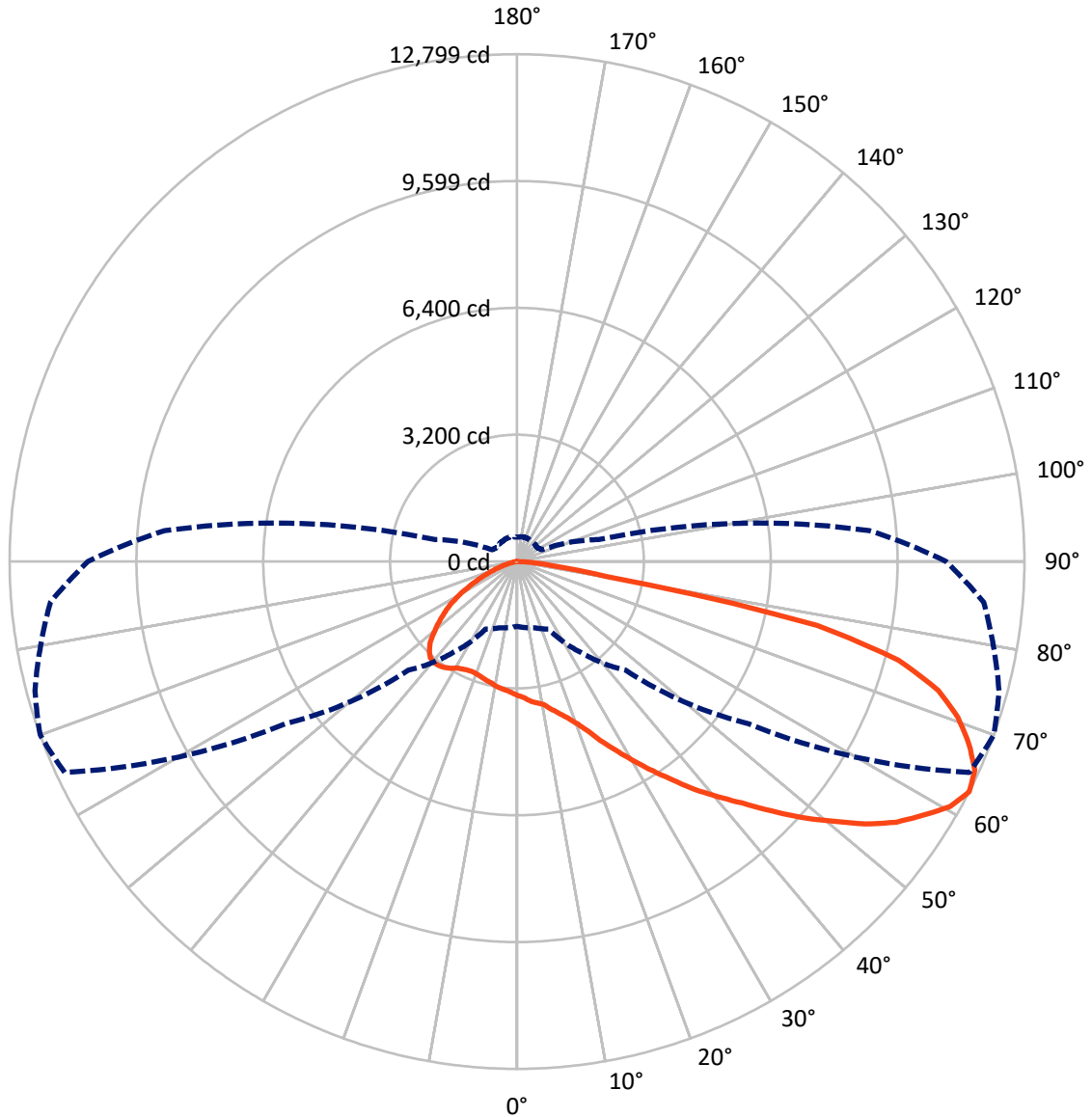
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - N/A

REPORT NUMBER: P509621
CATALOG NUMBER: VERD-G-CA2-130-760-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P509621

CATALOG NUMBER: VERD-G-CA2-130-760-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4815.3	0.0	4815.3
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	14028.7	0.0	14028.7
	% Fixture	74.4	0.0	74.4
Total	Lumens	18844.0	0.0	18844.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.6	1.7
10°-20°	993.4	5.3
20°-30°	1688.7	9.0
30°-40°	2430.0	12.9
40°-50°	3153.4	16.7
50°-60°	3696.5	19.6
60°-70°	3790.8	20.1
70°-80°	2487.5	13.2
80°-90°	277.1	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°	18844.0	100.0
0°-180°	18844.0	100.0

Coefficient of Utilization



REPORT NUMBER: P509621

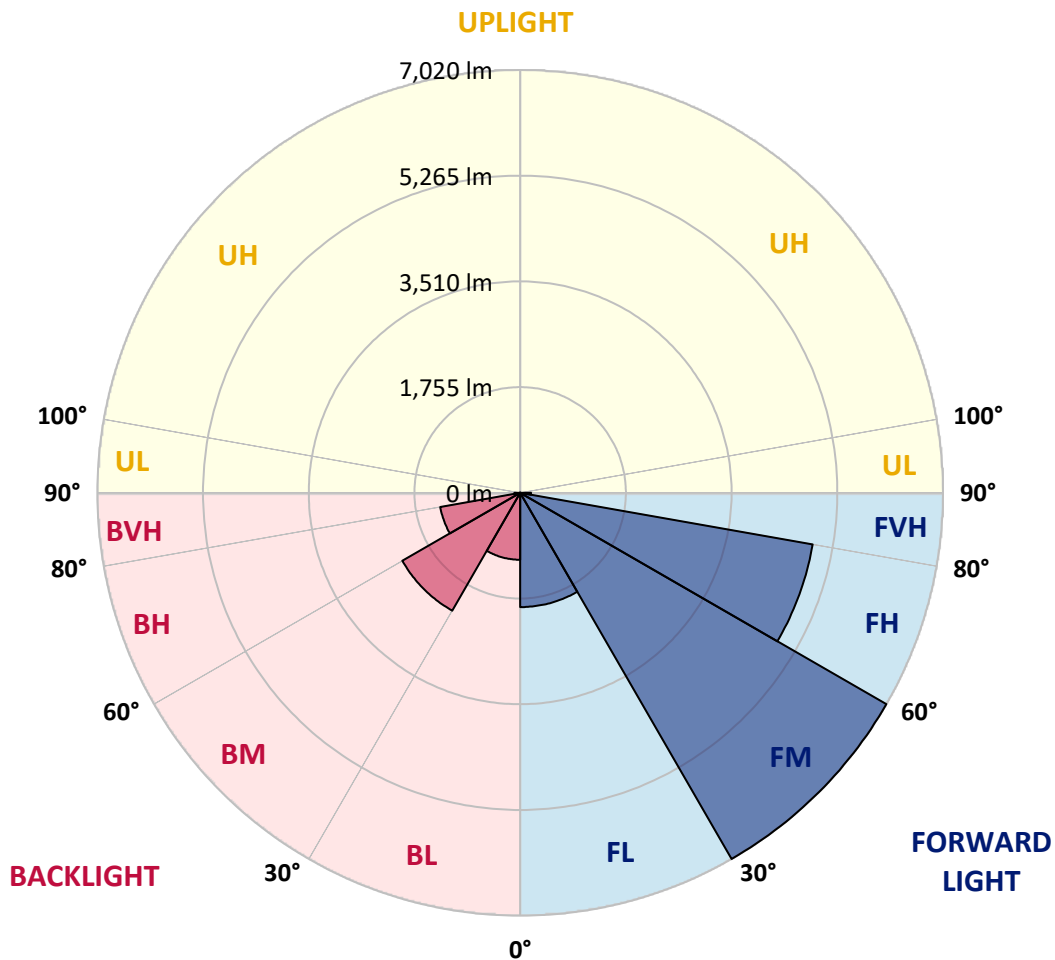
CATALOG NUMBER: VERD-G-CA2-130-760-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1896.8	10.1			
FM (30°-60°)	7019.9	37.3			
FH (60°-80°)	4931.3	26.2			G2/5000
FVH (80°-90°)	180.7	1.0			G2/225
BL (0°-30°)	1111.9	5.9	B3/2500		
BM (30°-60°)	2260.0	12.0	B2/2500		
BH (60°-80°)	1347.0	7.1	B3/2500		G3/2500
BVH (80°-90°)	96.4	0.5			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: P509621

CATALOG NUMBER: VERD-G-CA2-130-760-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	3382.0	3382.0	3382.0	3382.0	3382.0	3382.0	3382.0	3382.0	3382.0	3382.0	3382.0
2.5°	3599.5	3613.1	3590.8	3569.8	3548.8	3536.5	3515.5	3456.2	3435.2	3416.6	3379.5
5°	3786.1	3804.6	3772.5	3705.8	3689.7	3637.8	3609.4	3558.7	3537.7	3505.6	3443.8
7.5°	4004.8	4007.3	3961.5	3940.5	3887.4	3817.0	3726.8	3634.1	3603.2	3569.8	3492.0
10°	4132.1	4158.0	4113.5	4048.0	4011.0	3948.0	3852.8	3730.5	3662.5	3603.2	3516.7
12.5°	4311.2	4317.4	4245.7	4208.7	4159.3	4080.2	3987.5	3881.2	3814.5	3704.5	3547.6
15°	4442.2	4445.9	4381.7	4342.1	4295.2	4248.2	4148.1	4036.9	3971.4	3861.5	3623.0
17.5°	4536.1	4552.2	4512.7	4484.2	4434.8	4401.4	4322.4	4234.6	4149.4	4050.5	3779.9
20°	4638.7	4647.3	4574.4	4586.8	4578.1	4563.3	4526.2	4443.5	4374.3	4243.3	3905.9
22.5°	4667.1	4652.3	4672.1	4720.2	4743.7	4761.0	4749.9	4731.4	4668.3	4505.2	4144.4
25°	4625.1	4643.6	4690.6	4795.6	4926.6	5004.4	5060.1	5073.6	5055.1	4899.4	4463.2
27.5°	4614.0	4605.3	4681.9	4861.1	5081.1	5262.7	5372.7	5476.5	5429.5	5331.9	4822.8
30°	4567.0	4563.3	4698.0	4882.1	5165.1	5502.4	5698.9	5874.4	5852.1	5753.3	5244.2
32.5°	4452.1	4476.8	4580.6	4899.4	5293.6	5734.7	5974.4	6262.4	6295.7	6222.8	5670.5
35°	4303.8	4312.5	4478.1	4853.7	5393.7	5938.6	6287.1	6687.4	6765.3	6762.8	6149.9
37.5°	4116.0	4165.4	4342.1	4740.0	5436.9	6125.2	6587.3	7139.7	7295.4	7271.9	6629.3
40°	3928.2	3959.1	4167.9	4595.4	5440.6	6250.0	6841.9	7622.8	7795.8	7799.5	7175.5
42.5°	3646.4	3698.3	3917.1	4405.1	5357.8	6356.3	7095.2	8129.4	8325.9	8354.3	7682.1
45°	3411.7	3429.0	3623.0	4109.8	5178.7	6413.1	7376.9	8648.4	8966.0	8942.5	8122.0
47.5°	3107.7	3175.7	3380.8	3830.6	4898.2	6423.0	7621.6	9251.4	9644.4	9590.0	8721.3
50°	2404.6	2480.0	3038.5	3578.5	4543.5	6310.5	7818.1	9968.1	10288.2	10230.1	9231.7
52.5°	2120.4	2157.5	2383.6	3284.4	4175.3	6042.4	7975.0	10647.7	10997.4	10818.3	9828.5
55°	1999.3	2016.6	2119.2	2686.3	3850.3	5602.5	8065.2	11410.1	11606.6	11340.9	10384.5
57.5°	1868.3	1909.1	1961.0	2263.7	3488.3	4993.3	8009.6	12042.8	12074.9	11810.5	10859.0
60°	1744.8	1762.1	1869.6	2029.0	3071.9	4364.4	7695.7	12437.0	12550.7	12225.7	11429.9
62.5°	1634.8	1665.7	1728.7	1878.2	2793.8	3875.0	7137.2	12589.0	12799.0	12587.7	11815.4
65°	1531.0	1540.9	1612.5	1748.5	2486.2	3634.1	6814.7	12349.2	12690.3	12656.9	11984.7
67.5°	1408.7	1419.8	1482.8	1576.7	2101.9	3366.0	5974.4	12010.7	12297.3	12411.0	11888.3
70°	1249.3	1257.9	1332.0	1387.7	1762.1	2970.5	5016.8	11491.7	11801.8	11696.8	11240.9
72.5°	1066.4	1080.0	1139.3	1208.5	1465.5	2504.7	3929.4	10405.5	11116.0	11046.9	10279.5
75°	861.3	882.3	930.5	1013.2	1191.2	1989.4	2781.5	8419.8	9937.2	10041.0	8870.8
77.5°	407.8	428.8	472.0	541.2	721.6	1387.7	1522.3	4746.2	7739.0	8381.5	7142.1
80°	133.5	135.9	320.0	365.8	458.4	855.1	621.5	1548.3	2292.2	3876.3	3841.7
82.5°	71.7	77.8	173.0	212.5	229.8	229.8	181.6	683.3	965.1	1180.1	1366.6
85°	38.3	39.5	60.5	72.9	79.1	63.0	47.0	281.7	452.3	564.7	559.8
87.5°	16.1	17.3	18.5	16.1	13.6	8.6	6.2	4.9	4.9	4.9	4.9
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: P509621

CATALOG NUMBER: VERD-G-CA2-130-760-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3382.0	3382.0	3382.0	3382.0	3382.0	3382.0	3382.0	3382.0	3382.0	3382.0	3382.0
2.5°	3361.0	3343.7	3335.1	3299.2	3259.7	3217.7	3184.3	3185.5	3211.5	3231.3	3230.0
5°	3399.3	3356.1	3302.9	3218.9	3184.3	3153.4	3116.3	3066.9	3083.0	3102.8	3117.6
7.5°	3420.3	3364.7	3293.0	3168.2	3111.4	3044.7	3010.1	2945.8	2918.6	2938.4	2938.4
10°	3412.9	3356.1	3232.5	3141.1	3029.9	2924.8	2855.6	2839.6	2816.1	2812.4	2811.1
12.5°	3462.3	3378.3	3195.4	3060.7	2959.4	2824.7	2750.6	2735.8	2740.7	2709.8	2714.8
15°	3510.5	3415.4	3163.3	3023.7	2866.7	2708.6	2649.3	2594.9	2619.6	2593.7	2599.8
17.5°	3597.0	3482.1	3146.0	2949.5	2748.1	2611.0	2504.7	2442.9	2440.4	2436.7	2426.8
20°	3695.9	3536.5	3143.5	2885.3	2651.7	2488.6	2336.6	2268.7	2219.3	2236.6	2237.8
22.5°	3875.0	3639.0	3169.5	2826.0	2517.1	2334.2	2178.5	2074.7	2015.4	2025.3	2026.5
25°	4129.6	3854.0	3237.4	2775.3	2404.6	2155.0	2001.8	1870.8	1799.1	1800.4	1820.1
27.5°	4499.1	4111.1	3346.2	2732.1	2284.7	1985.7	1778.1	1649.6	1571.8	1570.5	1584.1
30°	4864.8	4432.3	3501.9	2670.3	2132.8	1758.4	1523.6	1421.0	1372.8	1340.7	1348.1
32.5°	5226.9	4777.1	3704.5	2638.1	1954.8	1490.2	1293.7	1223.3	1162.8	1103.4	1109.6
35°	5637.1	5100.8	3908.4	2573.9	1741.1	1267.8	1130.6	1034.3	956.4	925.5	919.3
37.5°	6119.0	5477.7	4049.3	2519.5	1487.7	1118.3	951.5	879.8	829.1	795.8	790.8
40°	6544.1	5794.0	4205.0	2392.2	1244.3	983.6	794.5	756.2	750.0	724.1	720.4
42.5°	6974.1	6182.0	4311.2	2225.4	1077.5	811.8	679.6	701.9	736.5	720.4	720.4
45°	7412.8	6587.3	4332.2	1975.8	918.1	687.0	651.2	693.2	741.4	745.1	743.9
47.5°	7893.4	6946.9	4373.0	1618.7	804.4	654.9	646.3	680.9	742.6	764.9	759.9
50°	8438.4	7336.1	4259.3	1234.4	736.5	658.6	651.2	667.3	734.0	758.7	750.0
52.5°	8968.5	7710.6	4071.5	941.6	693.2	662.3	677.1	664.8	713.0	737.7	747.6
55°	9460.3	8123.3	3673.6	837.8	663.6	657.4	698.2	675.9	693.2	700.6	714.2
57.5°	9958.2	8427.2	3251.0	785.9	647.5	651.2	685.8	675.9	687.0	678.4	667.3
60°	10425.3	8747.3	2706.1	737.7	630.2	647.5	661.1	658.6	666.0	650.0	642.5
62.5°	10822.0	8920.3	2136.5	695.7	615.4	630.2	627.7	640.1	641.3	622.8	617.8
65°	11003.6	8994.4	1631.1	657.4	593.1	607.9	595.6	598.1	599.3	574.6	573.3
67.5°	10819.5	8586.6	1118.3	600.5	569.6	588.2	564.7	561.0	552.3	527.6	528.9
70°	10282.0	7905.8	746.3	519.0	519.0	551.1	537.5	528.9	507.9	484.4	491.8
72.5°	9080.9	6749.2	484.4	418.9	456.0	507.9	501.7	489.3	439.9	373.2	375.6
75°	7767.4	5356.6	322.5	305.2	348.5	439.9	417.7	388.0	368.2	389.2	415.2
77.5°	6048.6	3415.4	180.4	175.5	206.4	308.9	348.5	354.6	501.7	595.6	589.4
80°	3139.8	1734.9	105.0	86.5	122.3	207.6	274.3	373.2	622.8	469.6	454.7
82.5°	1234.4	650.0	64.3	45.7	54.4	85.3	181.6	536.3	472.0	237.2	227.4
85°	422.6	147.0	25.9	23.5	25.9	35.8	71.7	480.7	244.7	150.8	143.3
87.5°	4.9	4.9	6.2	7.4	8.6	8.6	19.8	228.6	113.7	70.4	68.0
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)