

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: P509237

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

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509237
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-130-760-U-T2
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1180mA LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18083 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

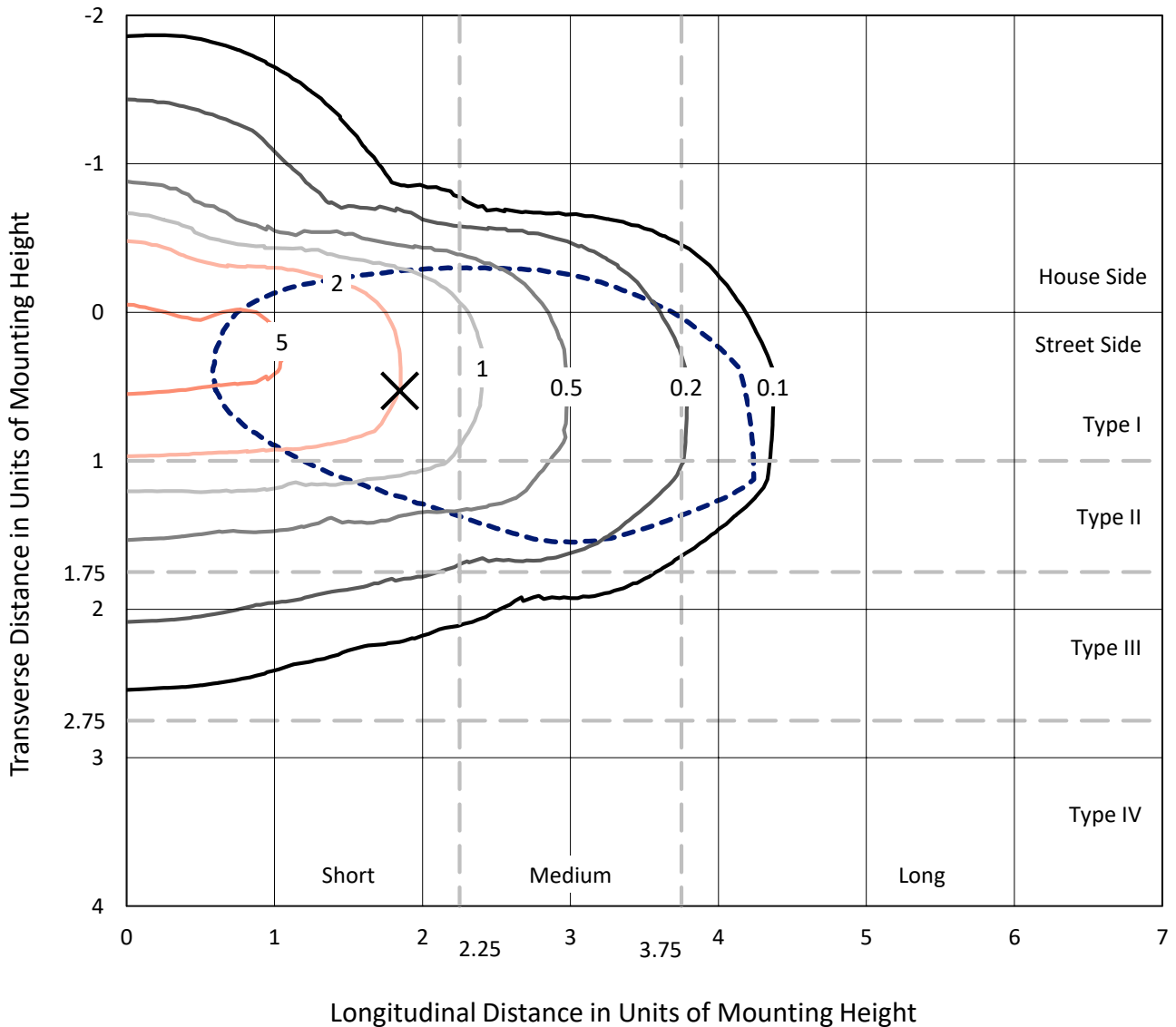
Input Watts (W): 131.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P509237
 CATALOG NUMBER: VERD-CA2-130-760-U-T2

Iso-Footcandle Lines of Horizontal Illumination

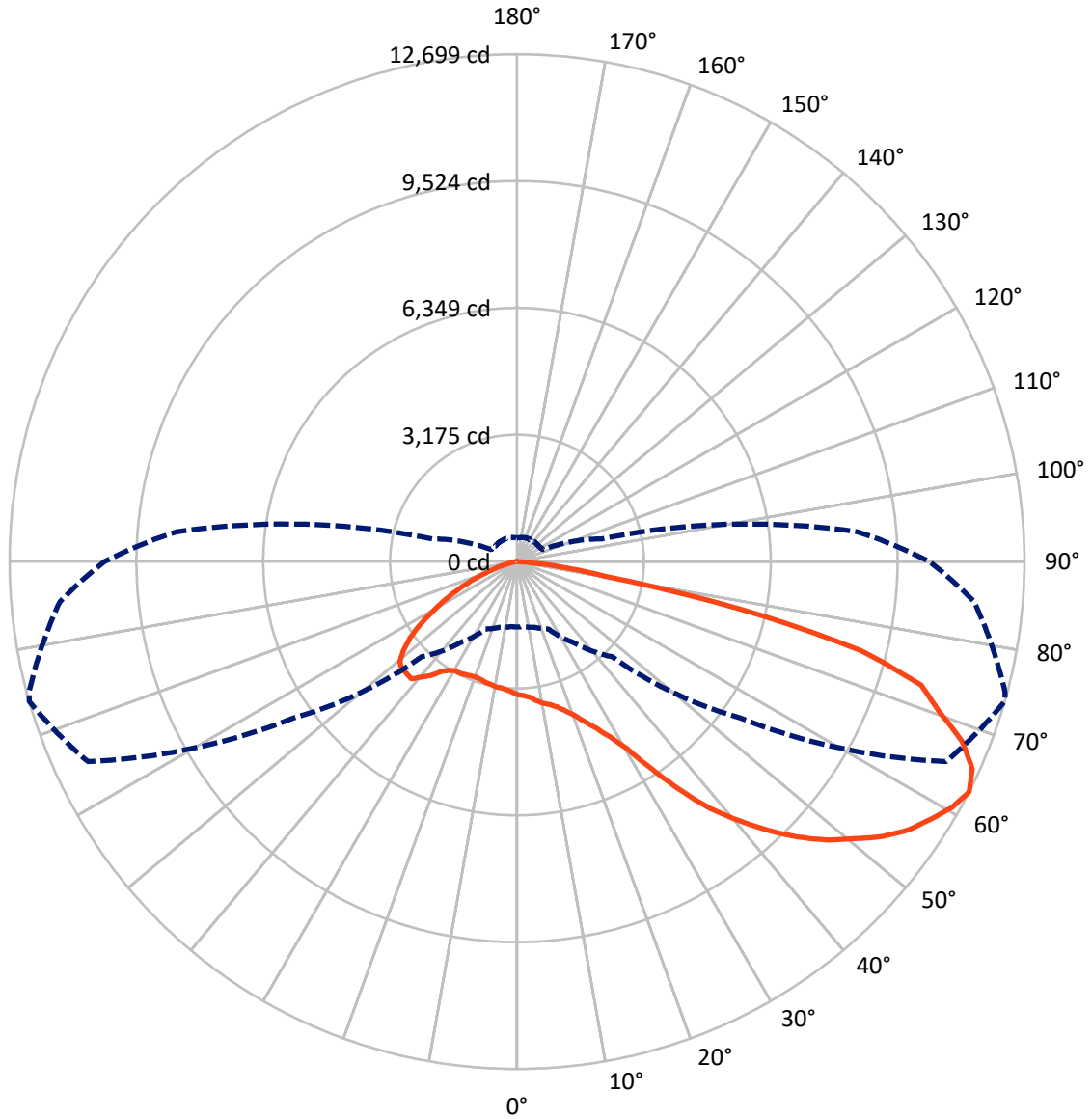
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Short - N/A

REPORT NUMBER: P509237
CATALOG NUMBER: VERD-CA2-130-760-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P509237

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4669.2	0.0	4669.2
	% Fixture	25.8	0.0	25.8
Street Side	Lumens	13413.8	0.0	13413.8
	% Fixture	74.2	0.0	74.2
Total	Lumens	18083.0	0.0	18083.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.4	1.8
10°-20°	976.9	5.4
20°-30°	1647.2	9.1
30°-40°	2406.7	13.3
40°-50°	3204.5	17.7
50°-60°	3687.8	20.4
60°-70°	3563.6	19.7
70°-80°	2051.5	11.3
80°-90°	224.4	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°	18083.0	100.0
0°-180°	18083.0	100.0

Coefficient of Utilization



REPORT NUMBER: P509237

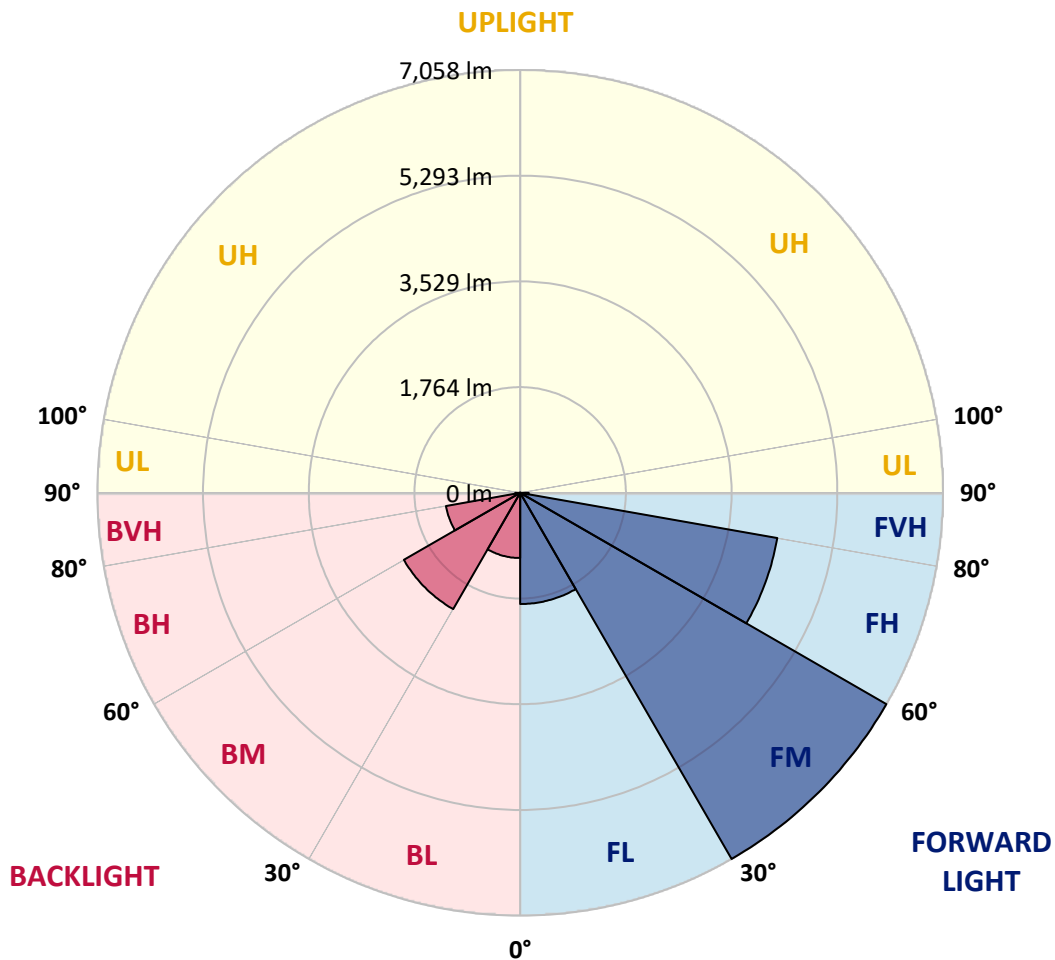
CATALOG NUMBER: VERD-CA2-130-760-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1855.9	10.3			
FM (30°-60°)	7057.8	39.0			
FH (60°-80°)	4358.1	24.1			G2/5000
FVH (80°-90°)	142.0	0.8			G2/225
BL (0°-30°)	1088.6	6.0	B3/2500		
BM (30°-60°)	2241.1	12.4	B2/2500		
BH (60°-80°)	1257.0	7.0	B3/2500		G3/2500
BVH (80°-90°)	82.5	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: P509237
 CATALOG NUMBER: VERD-CA2-130-760-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	3334.4	3334.4	3334.4	3334.4	3334.4	3334.4	3334.4	3334.4	3334.4	3334.4	3334.4
2.5°	3569.1	3543.4	3527.7	3509.9	3488.2	3480.3	3433.0	3391.6	3358.1	3360.0	3338.4
5°	3699.2	3671.6	3636.1	3630.2	3602.6	3596.7	3551.3	3486.2	3413.3	3403.4	3338.4
7.5°	3845.1	3829.3	3807.7	3780.1	3734.7	3705.1	3640.0	3588.8	3513.8	3504.0	3375.8
10°	4022.6	4010.8	3995.0	3995.0	3935.8	3872.7	3793.9	3665.7	3606.5	3596.7	3440.9
12.5°	4231.6	4196.1	4144.8	4115.3	4060.1	4020.6	3935.8	3799.8	3671.6	3667.7	3502.0
15°	4367.7	4338.1	4304.6	4292.7	4221.7	4156.7	4066.0	3957.5	3778.1	3764.3	3576.9
17.5°	4519.5	4491.9	4452.5	4430.8	4385.4	4310.5	4229.6	4087.7	3927.9	3914.1	3661.7
20°	4604.3	4574.7	4562.9	4566.8	4551.0	4513.6	4417.0	4288.8	4105.4	4087.7	3778.1
22.5°	4698.9	4679.2	4683.2	4712.7	4742.3	4728.5	4653.6	4511.6	4353.9	4326.3	3965.4
25°	4700.9	4685.1	4738.4	4852.7	4915.8	4947.4	4908.0	4791.6	4624.0	4598.4	4204.0
27.5°	4734.4	4710.8	4768.0	4888.2	5079.5	5144.6	5158.4	5115.0	4971.1	4939.5	4489.9
30°	4647.7	4631.9	4718.7	4927.7	5152.5	5369.4	5448.2	5515.3	5434.4	5436.4	4931.6
32.5°	4497.8	4470.2	4602.3	4858.7	5276.7	5572.5	5781.5	6051.6	6175.9	6164.0	5700.6
35°	4211.9	4227.7	4405.1	4797.5	5280.6	5779.5	6189.7	6672.8	7010.0	7002.1	6497.3
37.5°	4008.8	4000.9	4209.9	4626.0	5278.7	5962.9	6586.0	7390.5	7826.3	7814.5	7181.5
40°	3764.3	3766.2	3975.3	4413.0	5186.0	6077.3	6996.1	8070.8	8514.5	8496.7	7836.2
42.5°	3502.0	3509.9	3705.1	4152.7	5057.8	6164.0	7362.9	8759.0	9188.9	9204.6	8360.7
45°	3267.4	3271.3	3464.6	3874.7	4831.0	6173.9	7692.2	9409.7	9827.7	9790.3	8910.8
47.5°	2922.3	2926.2	3212.2	3610.5	4531.3	6093.0	7964.3	10028.9	10411.4	10332.5	9376.2
50°	2289.3	2297.2	2636.4	3336.4	4166.5	5907.7	8179.3	10610.6	10906.3	10872.8	9853.4
52.5°	2113.8	2107.9	2249.9	3009.1	3839.2	5572.5	8315.3	11133.1	11432.8	11428.9	10247.7
55°	2025.1	2019.2	2066.5	2439.2	3517.8	5075.6	8311.4	11539.3	11868.6	11787.8	10608.6
57.5°	1867.3	1855.5	1977.8	2161.2	3158.9	4456.4	8114.2	11904.1	12184.1	12160.4	10933.9
60°	1755.0	1745.1	1827.9	1997.5	2776.4	3827.4	7607.4	12093.4	12501.6	12511.4	11208.0
62.5°	1638.6	1632.7	1703.7	1861.4	2476.7	3367.9	6826.6	11844.9	12698.8	12645.5	11482.1
65°	1506.5	1502.6	1569.6	1697.8	2178.9	3018.9	6061.5	11401.3	12521.3	12582.4	11517.6
67.5°	1348.8	1346.8	1411.8	1500.6	1853.5	2667.9	4890.2	10878.7	12014.5	11947.5	11062.1
70°	1155.5	1147.6	1228.5	1311.3	1551.9	2269.6	3805.7	9950.0	11190.3	11432.8	10155.1
72.5°	972.1	968.2	1045.1	1106.2	1285.7	1853.5	2776.4	8605.2	10573.1	10224.1	9149.4
75°	761.1	741.4	822.3	879.4	1013.5	1474.9	1893.0	5748.0	8899.0	8826.0	7686.3
77.5°	307.6	356.9	425.9	477.2	565.9	836.1	989.9	2727.1	5677.0	5927.4	5345.7
80°	118.3	126.2	303.7	343.1	380.6	481.1	380.6	1149.6	2240.0	2443.1	3095.8
82.5°	67.0	74.9	149.9	143.9	142.0	122.3	142.0	564.0	1169.3	1281.7	1494.7
85°	37.5	41.4	61.1	67.0	57.2	49.3	43.4	147.9	291.8	276.1	309.6
87.5°	5.9	7.9	9.9	9.9	5.9	5.9	5.9	7.9	7.9	7.9	9.9
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: P509237
 CATALOG NUMBER: VERD-CA2-130-760-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3334.4	3334.4	3334.4	3334.4	3334.4	3334.4	3334.4	3334.4	3334.4	3334.4	3334.4
2.5°	3316.7	3295.0	3273.3	3247.6	3216.1	3196.4	3188.5	3198.4	3226.0	3192.4	3164.8
5°	3304.8	3275.3	3226.0	3176.7	3137.2	3103.7	3058.4	3054.4	3062.3	3048.5	3013.0
7.5°	3330.5	3287.1	3186.5	3153.0	3070.2	2991.3	2965.7	2955.8	2932.2	2904.5	2871.0
10°	3381.7	3293.0	3190.5	3091.9	3015.0	2930.2	2831.6	2833.6	2823.7	2792.1	2760.6
12.5°	3407.4	3302.9	3153.0	3048.5	2930.2	2825.7	2729.1	2685.7	2703.4	2677.8	2644.3
15°	3454.7	3344.3	3139.2	2985.4	2823.7	2705.4	2632.4	2569.3	2529.9	2535.8	2516.1
17.5°	3543.4	3381.7	3103.7	2916.4	2740.9	2600.9	2460.9	2455.0	2395.8	2362.3	2332.7
20°	3636.1	3448.8	3099.8	2841.4	2606.8	2433.3	2320.9	2257.8	2222.3	2194.7	2173.0
22.5°	3756.4	3541.5	3113.6	2798.1	2486.5	2291.3	2147.4	2062.6	2005.4	1985.7	1969.9
25°	3926.0	3657.8	3151.0	2721.2	2360.3	2135.5	1940.3	1851.6	1786.5	1770.7	1758.9
27.5°	4158.6	3805.7	3188.5	2638.3	2212.4	1916.6	1709.6	1622.8	1549.9	1547.9	1526.2
30°	4525.4	4032.4	3202.3	2565.4	2054.7	1682.0	1474.9	1394.1	1338.9	1317.2	1333.0
32.5°	5209.6	4533.3	3289.1	2453.0	1855.5	1453.3	1277.8	1212.7	1151.6	1127.9	1143.7
35°	5949.1	5132.7	3435.0	2376.1	1636.6	1236.4	1116.1	1039.2	964.2	952.4	946.5
37.5°	6491.4	5678.9	3711.0	2249.9	1429.6	1104.2	946.5	883.4	840.0	816.3	838.0
40°	7106.6	6132.5	3920.1	2115.8	1218.6	964.2	788.7	769.0	749.3	733.5	757.2
42.5°	7593.6	6599.8	4168.5	1938.3	1049.0	818.3	702.0	717.8	727.6	719.7	721.7
45°	8041.2	6946.9	4184.3	1668.2	895.2	709.9	676.3	707.9	731.6	727.6	725.6
47.5°	8479.0	7360.9	4221.7	1382.3	784.8	682.3	678.3	702.0	733.5	739.4	739.4
50°	8930.5	7676.4	4164.6	1112.1	743.4	686.2	684.2	682.3	721.7	723.7	729.6
52.5°	9269.7	7932.8	3894.4	918.9	741.4	698.0	694.1	674.4	692.1	705.9	696.1
55°	9628.6	8252.2	3553.3	845.9	737.5	702.0	717.8	684.2	672.4	660.6	672.4
57.5°	9969.7	8475.0	3105.7	802.5	721.7	696.1	727.6	682.3	656.6	623.1	611.3
60°	10232.0	8526.3	2606.8	757.2	702.0	682.3	684.2	668.5	634.9	593.5	575.8
62.5°	10320.7	8555.9	2192.7	713.8	662.5	660.6	644.8	638.9	625.1	599.4	591.6
65°	10245.8	8220.7	1751.0	660.6	629.0	631.0	607.3	587.6	556.1	514.7	510.7
67.5°	9731.1	7631.1	1342.8	593.5	577.8	597.5	571.8	538.3	502.8	475.2	479.2
70°	8849.7	6933.0	942.5	500.9	518.6	554.1	544.2	500.9	461.4	437.8	441.7
72.5°	7869.7	5874.2	640.9	390.4	422.0	496.9	496.9	467.3	427.9	396.3	388.5
75°	6207.4	4614.1	414.1	258.3	278.0	406.2	439.7	394.4	351.0	331.3	323.4
77.5°	4213.9	3005.1	264.2	147.9	185.4	266.2	347.0	353.0	416.1	418.0	400.3
80°	2476.7	1719.5	161.7	86.8	92.7	153.8	278.0	349.0	441.7	311.6	285.9
82.5°	1232.4	733.5	73.0	53.2	55.2	76.9	149.9	400.3	341.1	195.2	187.3
85°	274.1	120.3	29.6	27.6	31.5	39.4	76.9	331.3	209.0	157.7	153.8
87.5°	9.9	7.9	7.9	7.9	5.9	5.9	15.8	108.5	82.8	69.0	65.1
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)