

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: P318000

Luminaire Tested: **GAN-SA6B-727-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318000
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-727-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28051 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

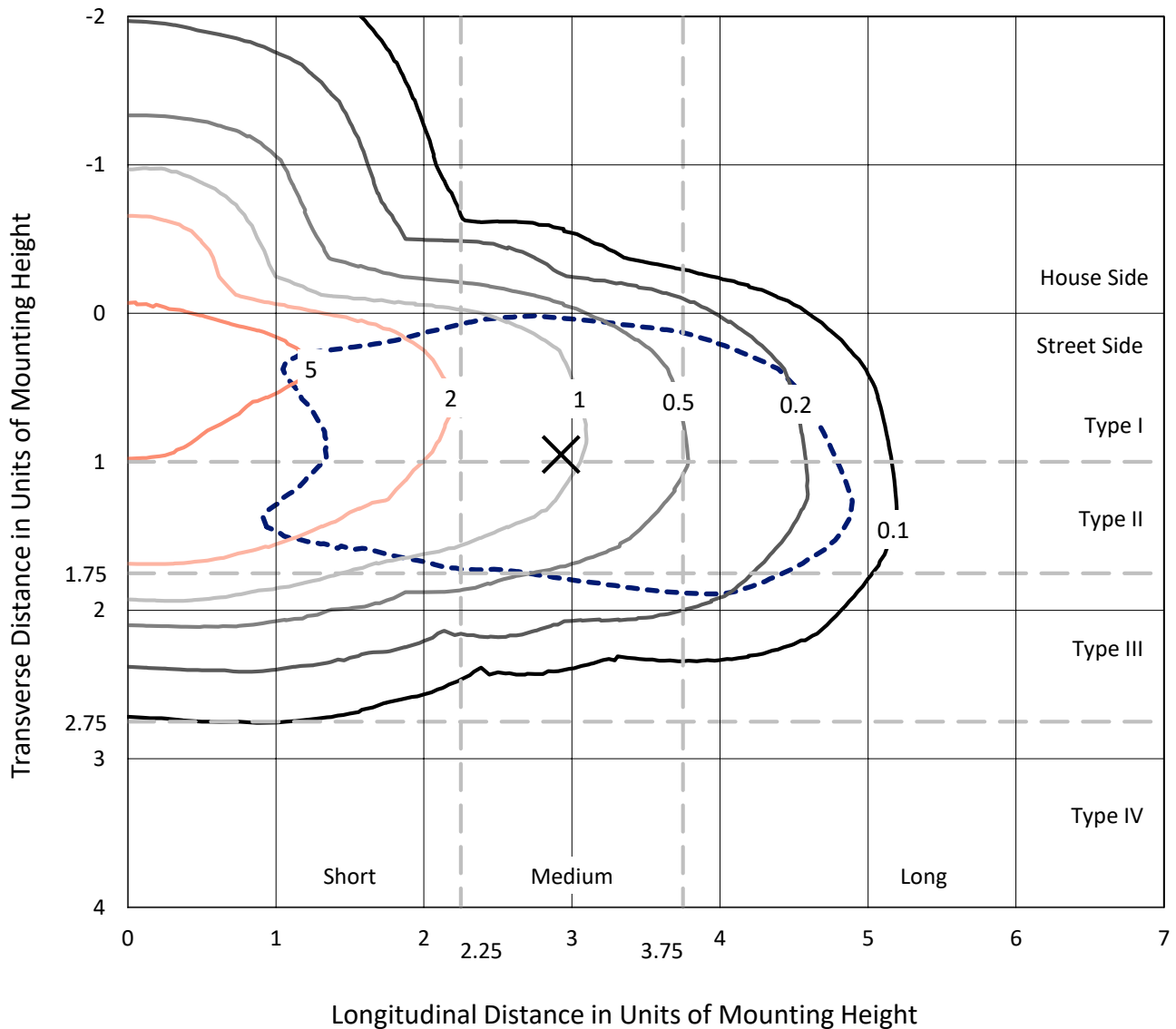
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

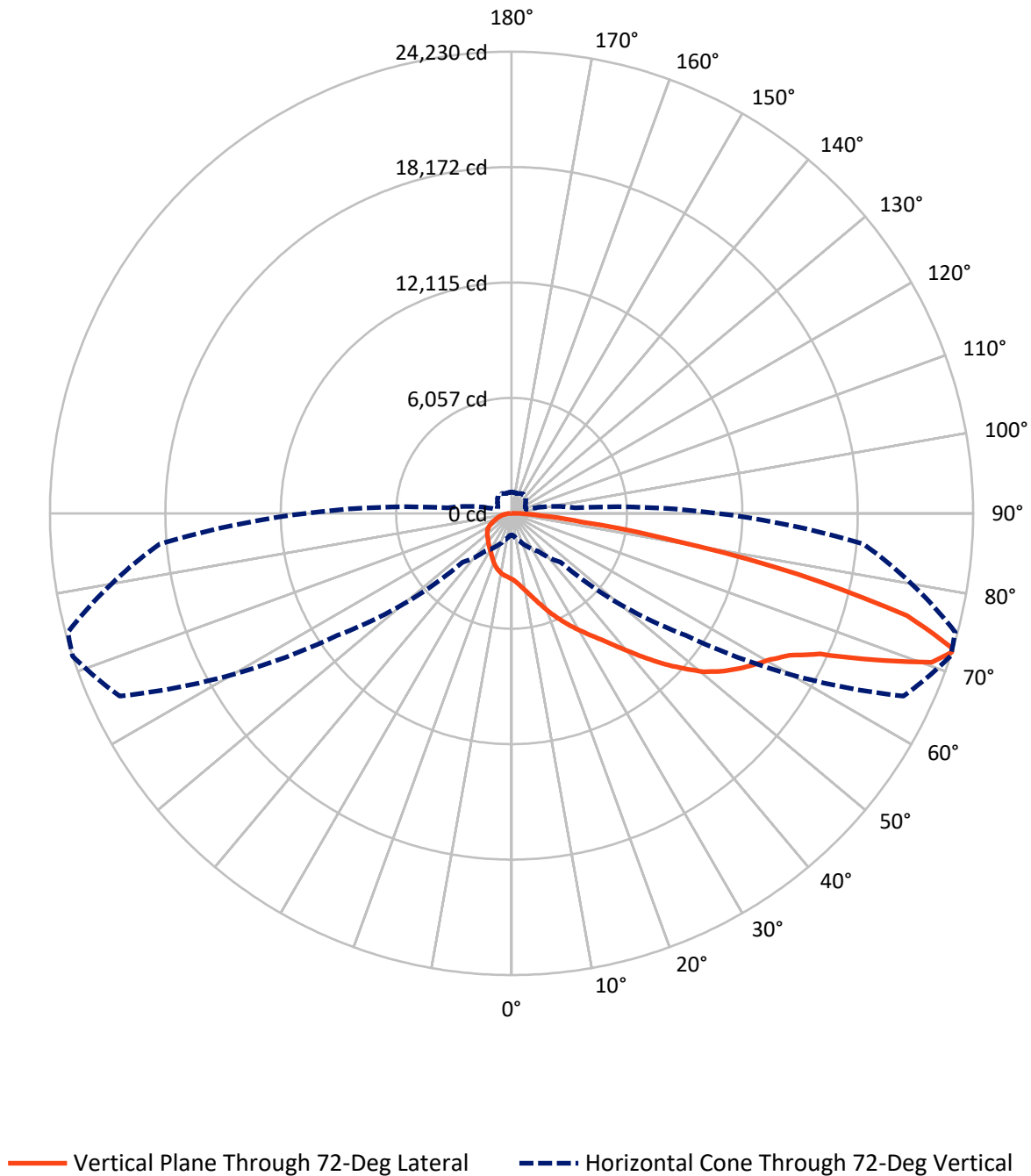
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5203.7	0.0	5203.7
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	22847.4	0.0	22847.4
	% Fixture	81.4	0.0	81.4
Total	Lumens	28051.0	0.0	28051.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.8	1.2
10°-20°	1117.5	4.0
20°-30°	1958.1	7.0
30°-40°	2903.3	10.4
40°-50°	4246.3	15.1
50°-60°	5842.9	20.8
60°-70°	6504.9	23.2
70°-80°	4407.7	15.7
80°-90°	724.5	2.6
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°	28051.0	100.0
0°-180°	28051.0	100.0

Coefficient of Utilization



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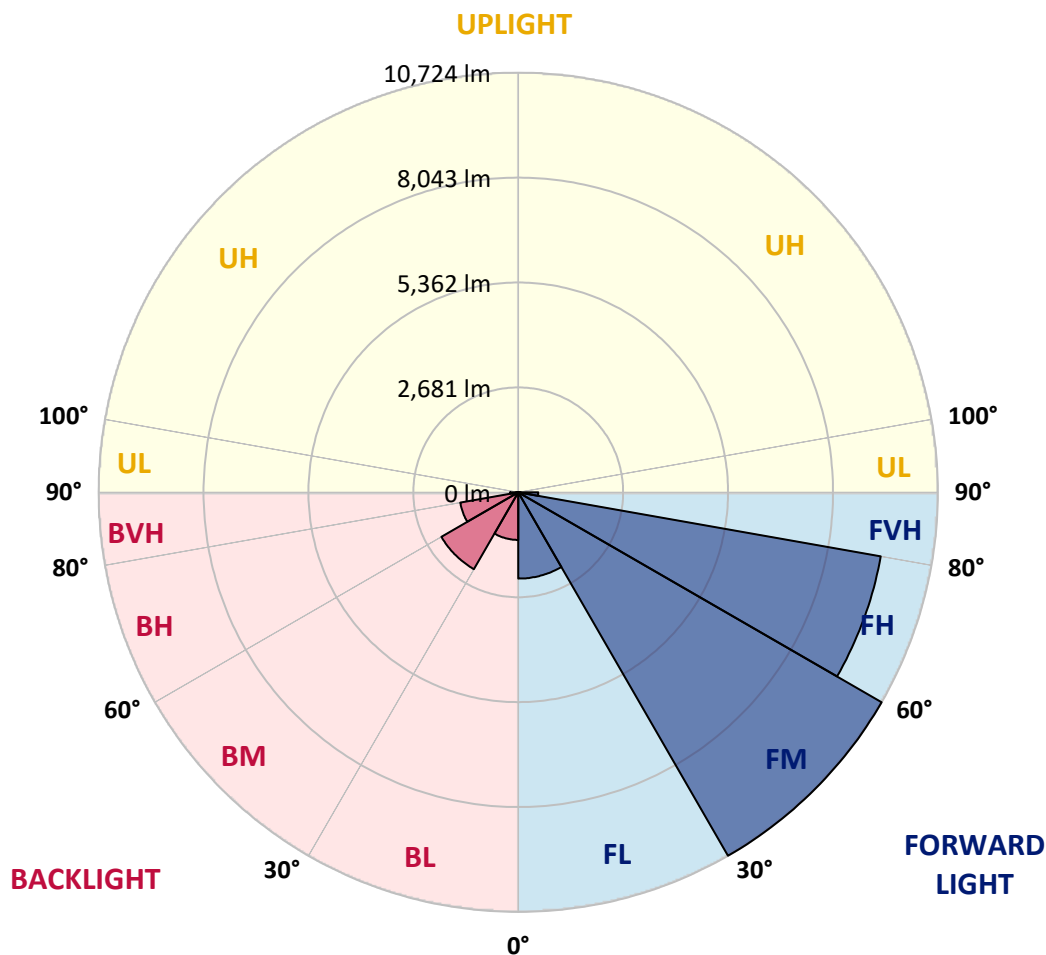
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2205.0	7.9			
FM	(30°-60°)	10724.2	38.2			
FH	(60°-80°)	9407.1	33.5			G4/12000
FVH	(80°-90°)	511.0	1.8			G4/750
BL	(0°-30°)	1216.4	4.3	B3/2500		
BM	(30°-60°)	2268.3	8.1	B2/2500		
BH	(60°-80°)	1505.5	5.4	B3/2500		G3/2500
BVH	(80°-90°)	213.4	0.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	3451.0	3451.0	3451.0	3451.0	3451.0	3451.0	3451.0	3451.0	3451.0	3451.0	3451.0
2.5°	3812.2	3806.4	3786.2	3786.2	3747.5	3714.7	3652.9	3611.3	3562.1	3544.7	3486.7
5°	4181.2	4183.1	4158.0	4140.6	4083.6	4014.1	3908.8	3813.2	3717.6	3678.9	3560.1
7.5°	4491.2	4487.4	4480.6	4466.1	4413.0	4341.5	4199.5	4057.6	3916.5	3858.6	3653.8
10°	4690.2	4698.9	4704.7	4711.4	4689.2	4638.0	4503.8	4330.9	4146.4	4067.2	3765.9
12.5°	4790.6	4806.1	4833.1	4879.5	4916.2	4910.4	4812.9	4629.3	4410.1	4310.6	3905.9
15°	4849.6	4869.8	4912.3	4995.4	5098.8	5157.7	5131.6	4965.5	4721.1	4598.4	4076.9
17.5°	4886.3	4902.7	4968.4	5079.4	5233.0	5389.5	5458.1	5319.0	5072.7	4932.6	4272.9
20°	4911.4	4923.9	5006.0	5136.4	5335.4	5584.6	5775.8	5741.1	5460.0	5278.4	4477.7
22.5°	4967.4	4978.0	5056.3	5187.6	5407.8	5729.5	6082.0	6134.2	5868.5	5662.8	4697.0
25°	5123.9	5123.9	5189.5	5281.3	5488.0	5855.0	6340.8	6571.7	6285.8	6046.3	4899.8
27.5°	5422.3	5419.4	5443.6	5475.4	5631.9	5982.5	6571.7	6958.0	6718.5	6456.7	5096.8
30°	5775.8	5795.1	5798.0	5782.6	5856.0	6141.9	6785.1	7365.6	7154.1	6872.1	5298.7
32.5°	6230.7	6243.3	6228.8	6177.6	6167.0	6367.9	6994.7	7792.5	7625.4	7305.7	5483.2
35°	6808.3	6784.2	6738.8	6634.5	6535.0	6670.2	7234.3	8219.4	8154.7	7830.2	5737.2
37.5°	7427.4	7428.4	7372.4	7135.7	6998.6	7056.5	7564.6	8703.3	8795.1	8454.1	6062.7
40°	7923.9	7950.0	7984.7	7673.7	7496.0	7576.2	7984.7	9264.5	9552.3	9194.0	6486.7
42.5°	8270.6	8300.6	8399.1	8204.0	8019.5	8168.2	8479.3	9863.3	10402.3	10047.8	6983.1
45°	8637.7	8654.1	8723.6	8639.6	8521.8	8856.9	9036.6	10483.4	11301.5	10957.6	7538.5
47.5°	9024.0	9041.4	9112.9	9056.8	8995.0	9500.2	9618.0	11067.7	12163.0	11957.3	8131.5
50°	9501.1	9512.7	9580.3	9478.9	9498.2	9985.0	10137.6	11603.8	13066.1	12855.5	8726.5
52.5°	10152.1	10155.0	10248.7	10156.9	10066.2	10340.5	10584.8	12108.9	13774.1	13674.6	9321.5
55°	10662.1	10693.0	11000.1	10980.8	10928.7	10663.1	10958.6	12589.9	14405.7	14453.1	9953.1
57.5°	10336.6	10457.3	11079.3	11517.8	11944.7	11465.7	11463.7	13131.8	14993.0	15217.1	10647.6
60°	9053.0	9217.2	10133.8	11106.4	12442.2	12862.3	12512.7	13793.4	15586.0	15974.3	11517.8
62.5°	6465.4	6735.9	7978.0	9531.1	11760.3	13787.6	14647.2	14843.3	16392.5	16851.3	12648.9
65°	3268.5	3473.2	4514.4	6385.3	9395.9	13183.0	16967.2	17142.0	17794.0	18201.6	14390.3
67.5°	1985.8	2063.1	2571.1	3551.5	5760.4	10269.0	17724.4	20973.6	20506.1	20722.4	16873.5
70°	1463.3	1520.3	1837.1	2358.6	3312.9	6026.0	15400.6	23707.9	23400.8	23376.6	18708.6
72°	1139.7	1181.2	1461.3	1905.6	2422.4	3615.2	11162.4	22698.6	24229.5	24107.8	18540.6
72.5°	1080.8	1117.5	1372.5	1793.6	2289.1	3277.2	10036.2	22017.7	24169.6	24114.5	18323.3
75°	850.9	877.0	1016.1	1387.0	1791.7	1859.3	5499.6	17062.8	21441.0	22332.5	16480.4
77.5°	704.1	708.0	781.4	1009.3	1396.6	1314.5	2701.5	11838.5	15353.3	16333.6	11674.3
80°	573.7	578.5	613.3	708.0	1056.6	972.6	1282.7	6807.4	8596.1	8606.7	5551.7
82.5°	456.9	457.8	496.5	517.7	759.2	695.4	735.0	3196.0	3756.2	3613.3	1995.5
85°	321.6	314.9	484.9	425.0	496.5	446.2	405.7	1265.3	1553.1	1485.5	624.9
87.5°	107.2	111.1	215.4	275.3	289.8	253.1	180.6	484.9	586.3	581.4	198.0
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°	3451.0	3451.0	3451.0	3451.0	3451.0	3451.0	3451.0	3451.0	3451.0	3451.0	3451.0
2.5°	3468.4	3437.5	3392.1	3341.9	3302.3	3261.7	3231.8	3216.3	3198.9	3184.4	3201.8
5°	3505.1	3447.1	3350.6	3255.9	3186.4	3124.5	3080.1	3056.9	3035.7	3021.2	3023.1
7.5°	3565.0	3471.3	3309.0	3170.9	3074.3	3007.7	2962.3	2946.8	2933.3	2929.4	2934.3
10°	3628.7	3490.6	3254.0	3070.5	2960.3	2905.3	2885.0	2895.6	2905.3	2914.0	2923.6
12.5°	3701.2	3508.0	3173.8	2952.6	2858.9	2837.7	2858.0	2904.3	2938.1	2958.4	2971.0
15°	3795.8	3523.4	3081.1	2834.8	2772.0	2796.2	2864.7	2944.9	3003.8	3041.5	3047.3
17.5°	3882.7	3522.5	2962.3	2716.0	2701.5	2772.0	2875.4	2988.4	3067.6	3120.7	3131.3
20°	3972.6	3496.4	2824.2	2600.1	2630.0	2745.9	2880.2	3016.4	3112.0	3173.8	3188.3
22.5°	4056.6	3451.0	2672.5	2494.8	2570.1	2711.2	2861.8	2999.9	3095.6	3145.8	3161.2
25°	4113.6	3371.8	2519.0	2405.9	2517.0	2668.7	2801.9	2913.0	2984.5	3009.6	3013.5
27.5°	4142.6	3268.5	2374.1	2328.7	2462.0	2599.1	2690.9	2745.9	2766.2	2764.3	2760.4
30°	4146.4	3132.3	2249.5	2265.9	2398.2	2496.7	2540.2	2529.6	2503.5	2459.1	2462.9
32.5°	4133.9	2978.7	2145.2	2206.0	2317.1	2372.1	2374.1	2322.9	2253.3	2182.8	2163.5
35°	4137.7	2828.0	2053.4	2138.4	2218.6	2242.7	2220.5	2145.2	2050.5	1959.7	1940.4
37.5°	4180.2	2696.7	1974.2	2060.2	2109.4	2115.2	2083.4	2004.2	1934.6	1845.8	1838.0
40°	4281.6	2603.0	1898.9	1972.3	2000.3	2003.2	1957.8	1901.8	1907.6	1860.2	1859.3
42.5°	4464.2	2562.4	1832.2	1880.5	1897.9	1903.7	1868.9	1833.2	1883.4	1852.5	1841.9
45°	4699.9	2572.1	1776.2	1790.7	1822.6	1849.6	1828.4	1784.9	1804.2	1670.0	1625.5
47.5°	4972.2	2633.9	1731.8	1713.4	1768.5	1819.7	1786.8	1721.2	1652.6	1519.3	1494.2
50°	5291.0	2729.5	1691.2	1637.1	1709.6	1779.1	1746.3	1652.6	1549.2	1484.5	1475.8
52.5°	5623.2	2846.4	1650.6	1553.1	1635.2	1748.2	1731.8	1637.1	1509.6	1445.9	1434.3
55°	5999.9	2964.2	1599.5	1455.5	1555.0	1733.7	1725.0	1581.1	1479.7	1444.0	1435.3
57.5°	6468.3	3098.5	1531.8	1354.1	1479.7	1681.6	1654.5	1547.3	1448.8	1421.7	1418.8
60°	7078.8	3296.5	1434.3	1246.0	1387.9	1601.4	1595.6	1498.0	1399.5	1380.2	1376.3
62.5°	7994.4	3623.9	1300.0	1137.8	1285.6	1465.2	1518.3	1431.4	1347.4	1346.4	1348.3
65°	9414.2	4116.5	1154.2	1043.1	1182.2	1350.3	1428.5	1362.8	1294.2	1313.6	1316.5
67.5°	11060.0	4525.0	1011.3	950.4	1076.9	1241.1	1347.4	1294.2	1223.7	1274.0	1274.9
70°	11607.7	4159.9	885.7	858.6	967.8	1135.8	1259.5	1218.9	1147.4	1197.7	1192.8
72°	10802.1	3358.3	804.6	789.1	885.7	1048.9	1181.2	1148.4	1077.9	1111.7	1099.1
72.5°	10548.1	3201.8	784.3	771.7	863.5	1026.7	1161.0	1131.0	1060.5	1089.5	1077.9
75°	9409.4	2780.7	674.2	677.1	753.4	918.5	1047.0	1037.3	964.9	967.8	963.9
77.5°	6824.7	2038.9	567.9	587.2	641.3	807.5	932.1	926.3	847.1	832.6	829.7
80°	3167.0	1040.2	462.6	471.3	527.4	675.1	794.9	787.2	723.4	705.1	694.5
82.5°	1084.7	494.5	347.7	353.5	408.6	543.8	689.6	684.8	631.7	595.9	573.7
85°	387.3	246.3	243.4	237.6	291.7	427.9	600.8	574.7	496.5	423.0	421.1
87.5°	125.6	105.3	125.6	124.6	170.0	289.8	436.6	371.9	360.3	299.4	293.6
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)