

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: P318807

Luminaire Tested: **GAN-SA3C-760-U-T4FT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318807
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-760-U-T4FT
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21724 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 166
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

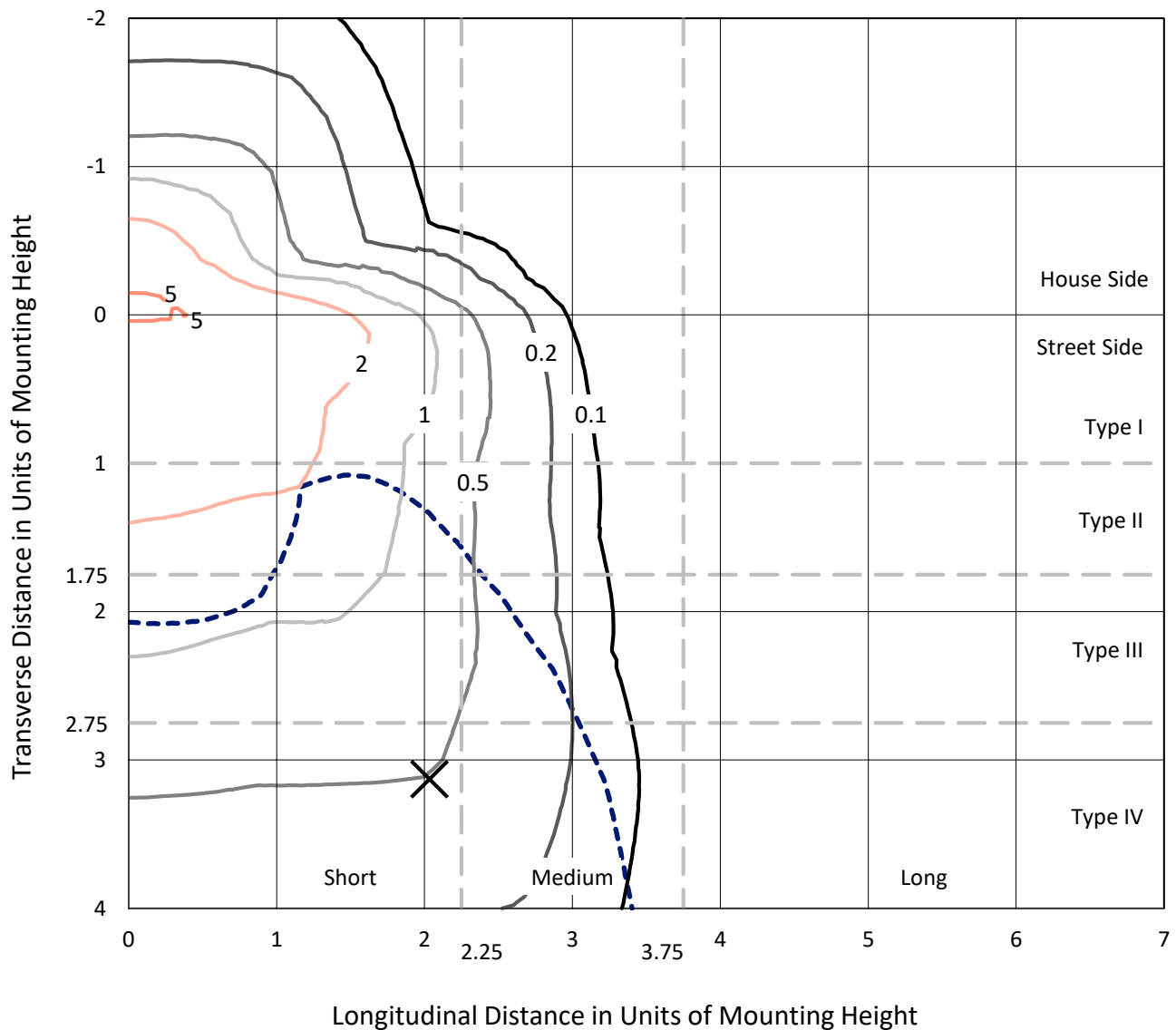


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Iso-Footcandle Lines of Horizontal Illumination

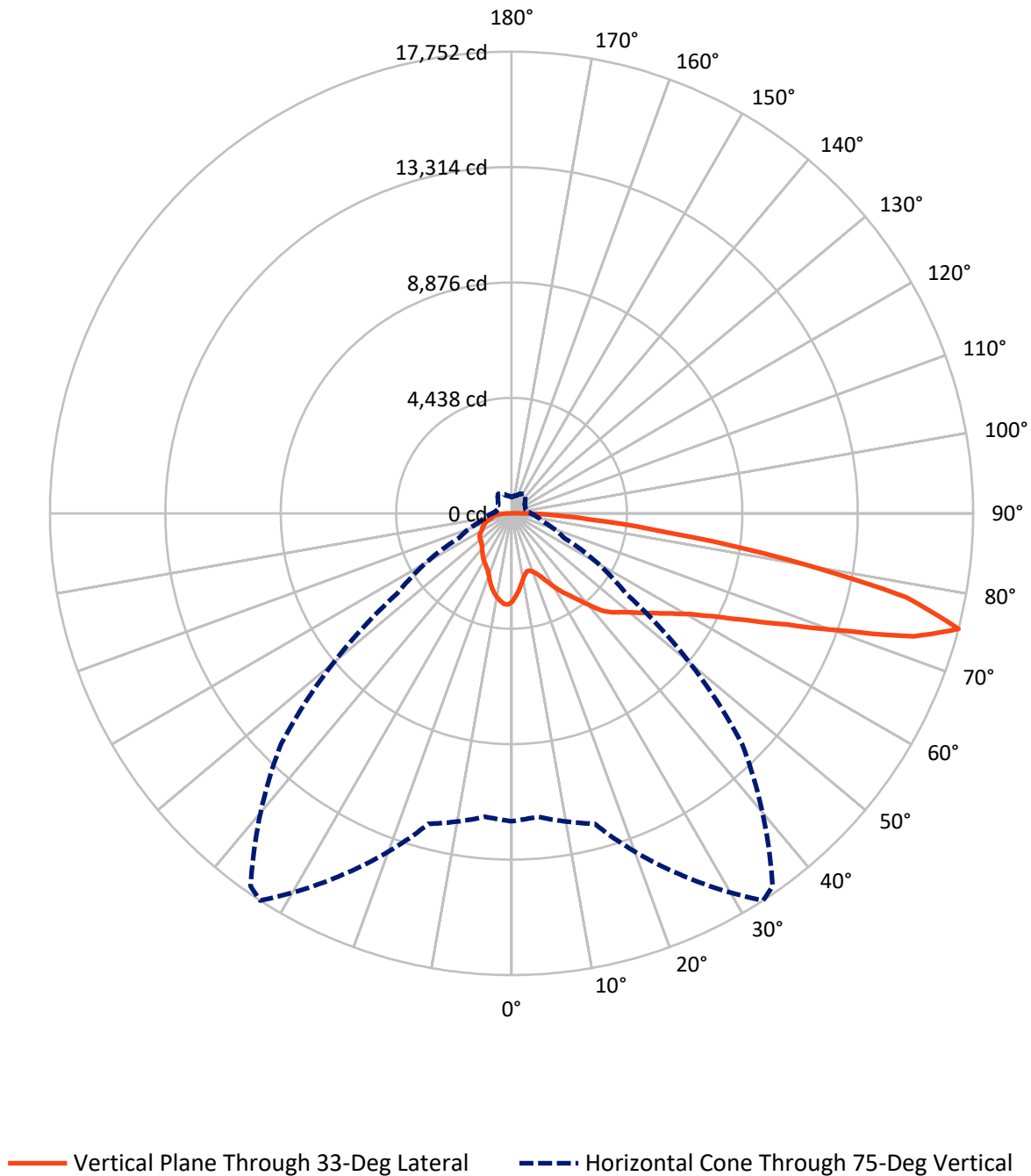
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4664.7	0.0	4664.7
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	17059.3	0.0	17059.3
	% Fixture	78.5	0.0	78.5
Total	Lumens	21724.0	0.0	21724.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.1	1.4
10°-20°	831.7	3.8
20°-30°	1358.3	6.3
30°-40°	2022.9	9.3
40°-50°	2901.3	13.4
50°-60°	3983.1	18.3
60°-70°	4986.6	23.0
70°-80°	4511.2	20.8
80°-90°	821.7	3.8
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°	21724.0	100.0
0°-180°	21724.0	100.0

Coefficient of Utilization



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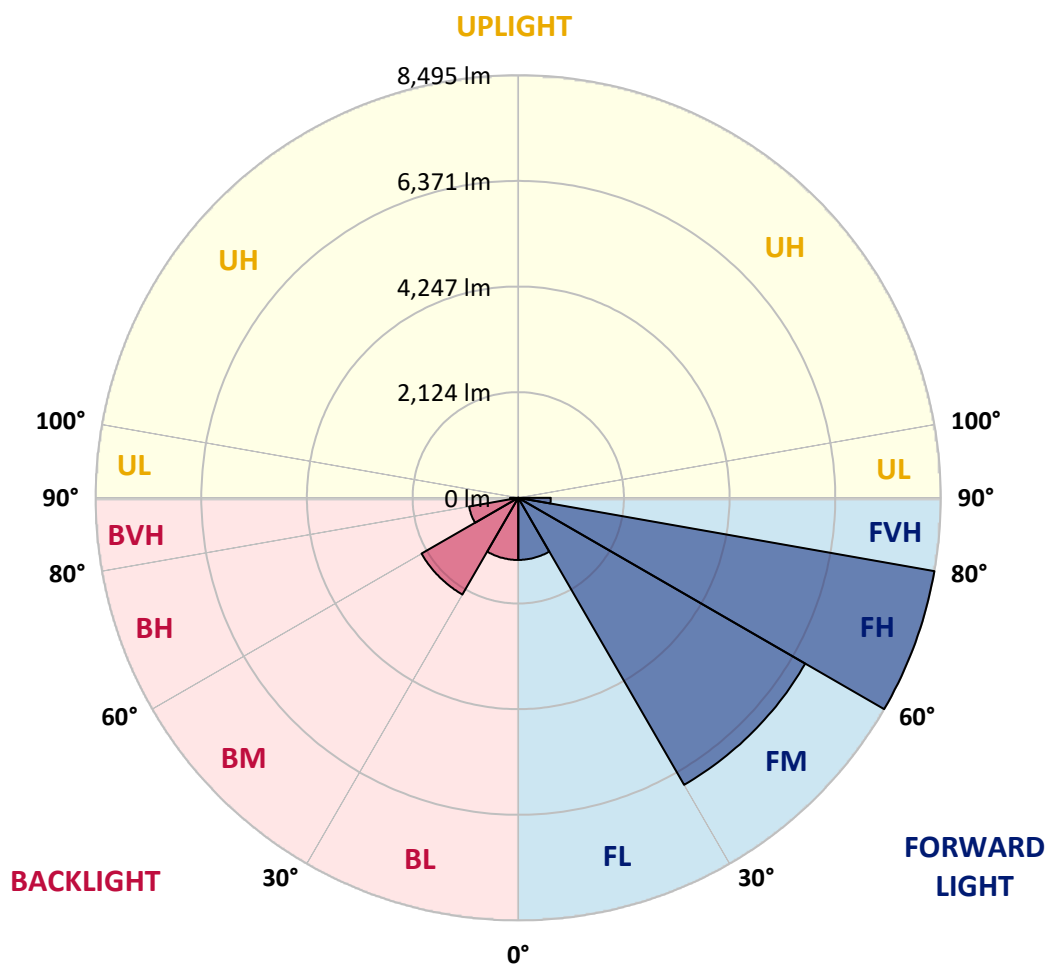
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1247.7	5.7			
FM	(30°-60°)	6662.3	30.7			
FH	(60°-80°)	8494.8	39.1			G4/12000
FVH	(80°-90°)	654.4	3.0			G4/750
BL	(0°-30°)	1249.4	5.8	B3/2500		
BM	(30°-60°)	2245.0	10.3	B2/2500		
BH	(60°-80°)	1003.0	4.6	B3/2500		G3/2500
BVH	(80°-90°)	167.3	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	3395.6	3395.6	3395.6	3395.6	3395.6	3395.6	3395.6	3395.6	3395.6	3395.6	3395.6
2.5°	3153.2	3141.2	3163.7	3166.7	3186.2	3193.7	3220.7	3262.8	3297.3	3337.1	3373.1
5°	2867.3	2859.0	2890.6	2913.1	2955.8	2973.9	3037.6	3126.9	3206.5	3296.5	3378.3
7.5°	2595.7	2591.1	2626.4	2677.4	2727.0	2751.7	2862.0	2991.9	3124.7	3270.3	3395.6
10°	2366.8	2365.3	2399.0	2449.3	2522.1	2549.9	2692.5	2863.5	3049.6	3250.0	3424.8
12.5°	2238.5	2243.7	2259.5	2301.5	2369.0	2396.8	2555.1	2756.2	2986.6	3243.3	3467.6
15°	2270.0	2278.2	2251.2	2249.7	2297.7	2319.5	2468.1	2679.7	2941.6	3254.5	3529.9
17.5°	2404.3	2405.8	2334.5	2289.5	2318.8	2330.0	2441.1	2636.2	2915.3	3280.0	3607.9
20°	2593.4	2589.6	2463.6	2388.5	2404.3	2407.3	2479.3	2636.9	2913.1	3324.3	3709.3
22.5°	2844.0	2816.3	2646.7	2544.6	2540.9	2536.4	2577.6	2692.5	2946.1	3396.3	3830.1
25°	3171.2	3144.9	2911.6	2772.0	2742.0	2730.7	2736.7	2811.0	3011.4	3473.6	3965.1
27.5°	3535.2	3489.4	3264.3	3066.9	3004.6	2988.9	2952.8	2978.4	3082.7	3547.9	4125.7
30°	3839.8	3815.1	3618.5	3384.3	3310.8	3288.3	3193.7	3166.0	3185.5	3649.2	4328.3
32.5°	4010.2	3993.7	3874.3	3685.2	3617.0	3585.4	3451.9	3396.3	3350.6	3809.1	4603.0
35°	4216.5	4206.0	4134.0	3996.7	3895.4	3862.3	3758.8	3701.0	3583.2	4028.9	4957.9
37.5°	4479.2	4467.9	4469.4	4358.4	4237.5	4206.8	4138.5	4077.7	3884.8	4317.8	5343.6
40°	4776.3	4754.6	4746.3	4741.1	4664.5	4647.3	4611.2	4528.7	4263.1	4663.0	5724.1
42.5°	5223.6	5146.3	4981.2	5043.5	5119.3	5110.3	5139.5	5021.0	4683.3	5071.2	6095.5
45°	5655.1	5528.2	5243.1	5256.6	5422.4	5472.7	5691.8	5607.8	5138.8	5518.5	6479.7
47.5°	5851.7	5755.6	5513.2	5514.0	5678.3	5782.6	6262.9	6202.8	5617.5	6026.5	6948.8
50°	6071.5	5975.5	5757.9	5839.7	5983.0	6094.0	6814.4	6783.7	6073.0	6582.6	7510.8
52.5°	6311.7	6148.8	6010.7	6157.1	6358.2	6487.3	7366.7	7282.7	6491.0	7142.4	8156.9
55°	6314.7	6270.4	6375.4	6482.7	6783.7	6942.0	7945.3	7723.2	6831.7	7692.4	8682.9
57.5°	6674.1	6602.1	6824.9	6874.5	7267.7	7446.3	8520.8	8106.6	7178.4	8114.1	8966.6
60°	7149.9	7088.3	7270.7	7401.2	7866.5	8105.1	9135.4	8500.6	7450.8	8432.3	8953.1
62.5°	7971.6	7901.8	7899.5	8082.6	8709.2	8986.9	9825.1	8887.0	7558.8	8495.3	8571.1
65°	9174.5	9063.4	8854.0	8941.1	9873.1	10150.0	10595.7	9166.9	7416.3	8157.7	7587.3
67.5°	10345.1	10341.3	10083.9	10262.5	11409.9	11632.0	11473.7	9194.7	6971.3	6981.8	5841.9
70°	11512.0	11527.0	11483.4	12104.8	13486.3	13717.4	12408.7	8821.8	5971.0	5042.0	3499.9
72.5°	12436.5	12432.7	12651.8	14253.9	16181.0	16129.2	13196.6	7691.7	4287.1	2721.7	1672.7
75°	11837.6	11707.1	12359.9	15318.0	17751.6	17498.7	12526.5	5365.4	2225.0	1238.9	900.5
77.5°	7720.9	7844.7	8803.0	12654.1	15527.4	15219.7	9190.2	2503.4	1048.3	812.7	652.9
80°	2796.0	2926.6	4122.0	7167.9	10697.8	10647.5	4525.7	1028.8	709.1	613.8	475.8
82.5°	962.0	1010.0	1626.1	3183.2	6040.0	6265.1	1702.7	584.6	515.5	435.2	325.7
85°	377.5	432.2	743.7	1531.6	3046.6	3069.2	689.6	349.7	358.7	285.2	178.6
87.5°	143.3	174.1	355.7	711.4	1391.3	1277.9	246.9	166.6	204.1	169.6	84.8
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°	3395.6	3395.6	3395.6	3395.6	3395.6	3395.6	3395.6	3395.6	3395.6	3395.6	3395.6
2.5°	3400.8	3416.6	3449.6	3472.1	3496.1	3502.9	3505.9	3511.9	3517.9	3515.6	3516.4
5°	3421.8	3452.6	3505.9	3528.4	3538.9	3526.9	3503.6	3484.9	3471.4	3463.9	3461.6
7.5°	3456.4	3499.9	3556.9	3553.2	3529.2	3475.9	3415.8	3370.8	3333.3	3319.8	3312.3
10°	3502.1	3553.2	3592.9	3550.2	3480.4	3388.1	3298.0	3228.2	3172.0	3150.2	3146.4
12.5°	3560.7	3612.5	3620.0	3529.2	3413.6	3287.5	3165.2	3072.9	2988.9	2961.8	2955.8
15°	3636.5	3685.2	3638.7	3492.4	3331.0	3161.5	3003.1	2877.8	2789.3	2756.2	2744.2
17.5°	3716.0	3762.5	3642.5	3431.6	3223.0	3012.1	2813.3	2684.9	2583.6	2545.4	2540.9
20°	3811.3	3832.3	3626.7	3344.6	3074.4	2818.5	2609.2	2488.3	2434.3	2407.3	2404.3
22.5°	3929.1	3906.6	3590.7	3226.7	2886.1	2594.9	2424.6	2368.3	2354.8	2348.8	2351.0
25°	4053.7	3984.7	3537.4	3072.9	2648.2	2371.3	2289.5	2305.2	2323.3	2321.0	2321.0
27.5°	4191.0	4064.2	3455.6	2868.8	2384.8	2188.2	2197.9	2255.7	2282.7	2282.0	2281.2
30°	4367.4	4154.2	3351.3	2623.4	2138.7	2059.1	2118.4	2188.9	2225.7	2224.2	2225.0
32.5°	4584.2	4253.3	3209.5	2349.5	1960.8	1963.8	2032.1	2101.9	2144.7	2140.9	2141.7
35°	4837.9	4364.4	3017.4	2079.4	1843.0	1888.0	1942.0	1990.8	2031.3	2026.1	2020.8
37.5°	5114.0	4473.2	2762.2	1837.7	1746.9	1817.5	1862.5	1870.8	1889.5	1876.0	1866.3
40°	5376.7	4556.5	2433.6	1639.6	1650.1	1757.4	1786.7	1753.7	1719.9	1715.4	1701.9
42.5°	5605.5	4584.2	2101.1	1481.3	1548.1	1694.4	1712.4	1643.4	1582.6	1554.1	1542.1
45°	5847.2	4594.0	1791.2	1348.5	1449.8	1638.1	1657.6	1565.3	1479.8	1418.3	1398.0
47.5°	6163.1	4664.5	1550.3	1250.2	1374.7	1600.6	1628.4	1503.1	1392.0	1304.2	1285.4
50°	6576.6	4804.1	1354.5	1175.1	1326.0	1575.9	1607.4	1442.3	1320.0	1214.2	1195.4
52.5°	7035.8	4932.4	1196.1	1114.4	1278.7	1532.3	1580.4	1398.8	1252.4	1130.9	1110.6
55°	7357.0	4834.1	1068.6	1051.3	1217.2	1470.0	1542.8	1362.0	1155.6	1049.8	1031.8
57.5°	7418.5	4497.9	971.8	986.0	1142.9	1392.0	1485.1	1280.2	1103.1	1014.5	995.8
60°	7250.4	4029.7	899.7	926.0	1063.3	1293.7	1377.0	1222.4	1052.8	977.0	961.3
62.5°	6827.9	3550.2	846.5	872.0	989.0	1193.9	1309.5	1161.6	1001.8	934.3	918.5
65°	5974.7	2980.6	795.4	823.9	920.0	1107.6	1248.7	1105.3	951.5	899.7	884.7
67.5°	4509.9	2232.5	747.4	772.9	858.5	1032.6	1182.6	1049.8	902.7	869.7	851.7
70°	2655.7	1398.0	692.6	719.6	793.9	954.5	1112.1	989.0	842.0	826.9	803.7
72.5°	1235.9	841.2	630.3	656.6	712.9	850.2	1021.3	909.5	769.9	736.9	705.4
75°	737.6	615.3	556.8	580.1	619.8	739.1	907.2	828.4	701.6	658.1	625.1
77.5°	551.5	470.5	475.8	500.5	532.8	646.8	803.7	764.7	649.1	615.3	592.8
80°	397.0	357.2	388.0	415.0	448.7	588.3	769.9	706.9	586.8	541.8	520.8
82.5°	264.9	256.6	291.9	319.7	352.7	514.8	723.4	619.1	501.3	444.2	397.7
85°	146.3	154.6	196.6	208.6	237.1	362.4	592.8	497.5	377.5	303.9	290.4
87.5°	60.8	71.3	105.8	102.1	126.1	216.1	390.2	300.2	240.1	179.3	139.6
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)