

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: P318727

Luminaire Tested: **GAN-SA3C-740-U-T4FT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318727
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-740-U-T4FT
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 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: 21725 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

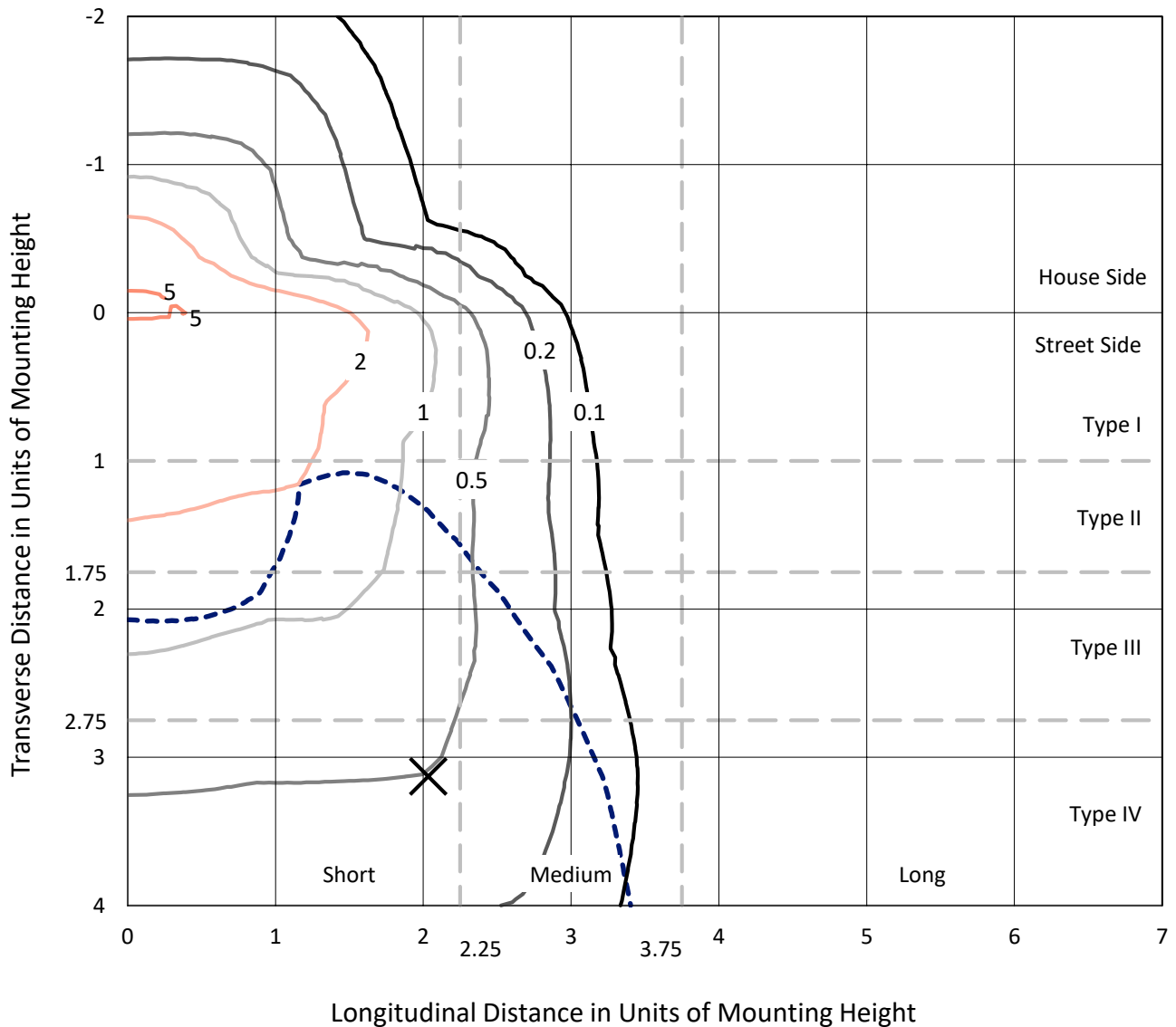
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P318727
 CATALOG NUMBER: GAN-SA3C-740-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

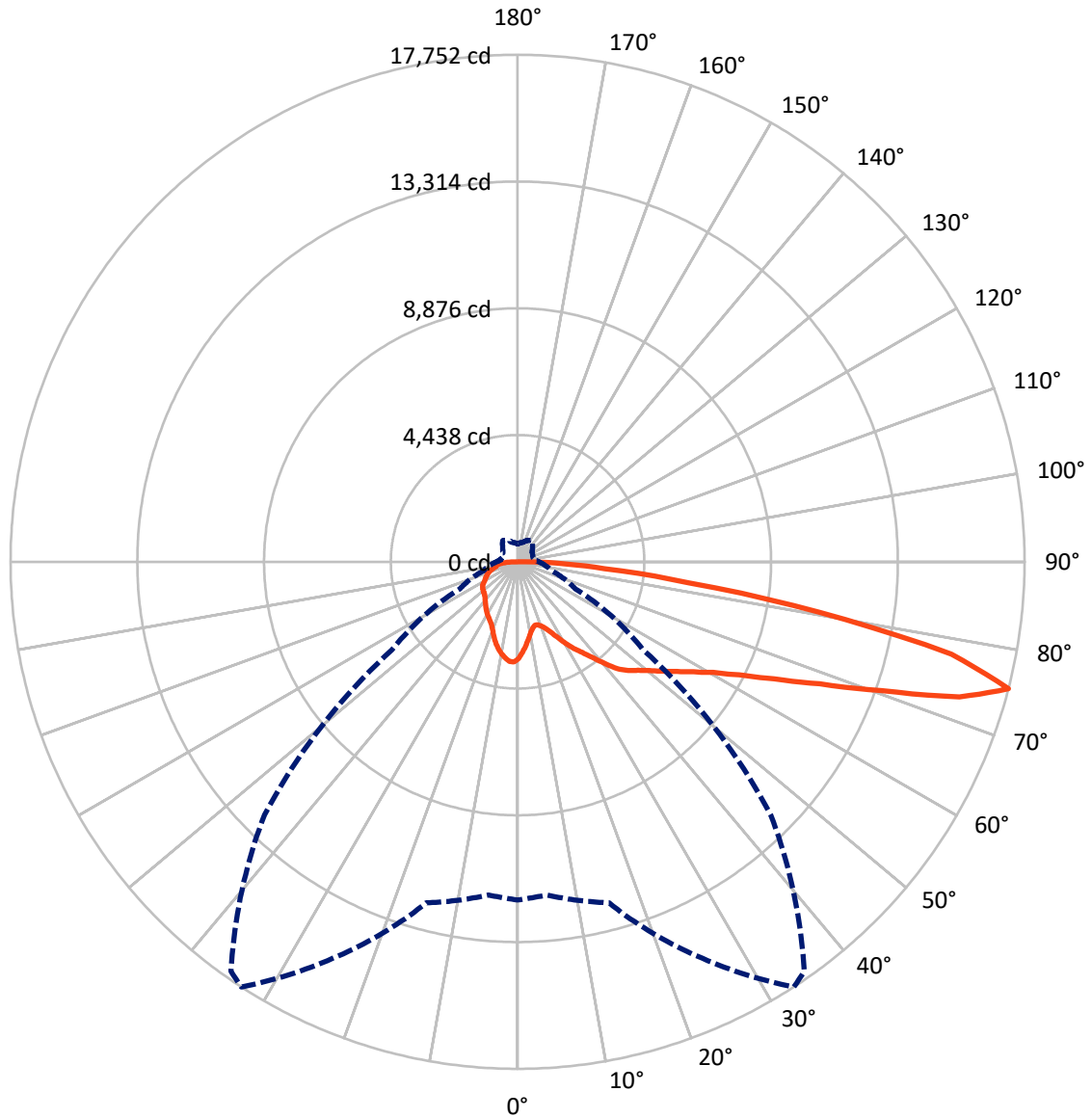
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P318727
CATALOG NUMBER: GAN-SA3C-740-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P318727
 CATALOG NUMBER: GAN-SA3C-740-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4664.9	0.0	4664.9
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	17060.1	0.0	17060.1
	% Fixture	78.5	0.0	78.5
Total	Lumens	21725.0	0.0	21725.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.1	1.4
10°-20°	831.8	3.8
20°-30°	1358.4	6.3
30°-40°	2023.0	9.3
40°-50°	2901.5	13.4
50°-60°	3983.3	18.3
60°-70°	4986.9	23.0
70°-80°	4511.4	20.8
80°-90°	821.8	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°	21725.0	100.0
0°-180°	21725.0	100.0

Coefficient of Utilization



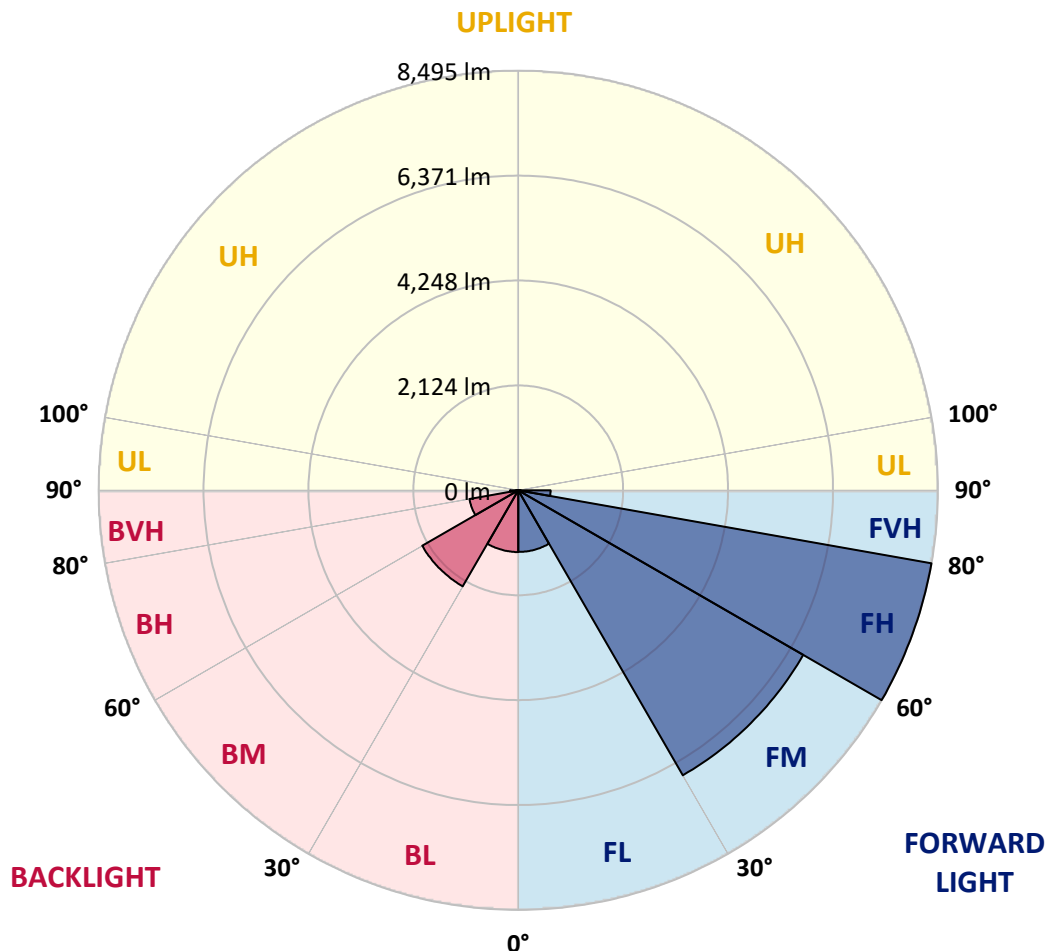
REPORT NUMBER: P318727
 CATALOG NUMBER: GAN-SA3C-740-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1247.8	5.7			
FM (30°-60°)	6662.6	30.7			
FH (60°-80°)	8495.2	39.1			G4/12000
FVH (80°-90°)	654.5	3.0			G4/750
BL (0°-30°)	1249.5	5.8	B3/2500		
BM (30°-60°)	2245.1	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





REPORT NUMBER: P318727

CATALOG NUMBER: GAN-SA3C-740-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	3395.7	3395.7	3395.7	3395.7	3395.7	3395.7	3395.7	3395.7	3395.7	3395.7	3395.7
2.5°	3153.3	3141.3	3163.9	3166.9	3186.4	3193.9	3220.9	3262.9	3297.4	3337.2	3373.2
5°	2867.4	2859.2	2890.7	2913.2	2956.0	2974.0	3037.8	3127.1	3206.6	3296.7	3378.5
7.5°	2595.8	2591.3	2626.5	2677.6	2727.1	2751.9	2862.2	2992.0	3124.8	3270.4	3395.7
10°	2366.9	2365.4	2399.2	2449.4	2522.2	2550.0	2692.6	2863.7	3049.8	3250.2	3425.0
12.5°	2238.6	2243.8	2259.6	2301.6	2369.1	2396.9	2555.2	2756.4	2986.7	3243.4	3467.8
15°	2270.1	2278.3	2251.3	2249.8	2297.8	2319.6	2468.2	2679.8	2941.7	3254.7	3530.1
17.5°	2404.4	2405.9	2334.6	2289.6	2318.9	2330.1	2441.2	2636.3	2915.5	3280.2	3608.1
20°	2593.5	2589.8	2463.7	2388.6	2404.4	2407.4	2479.5	2637.0	2913.2	3324.4	3709.4
22.5°	2844.2	2816.4	2646.8	2544.7	2541.0	2536.5	2577.8	2692.6	2946.2	3396.5	3830.2
25°	3171.4	3145.1	2911.7	2772.1	2742.1	2730.8	2736.9	2811.1	3011.5	3473.8	3965.3
27.5°	3535.3	3489.5	3264.4	3067.0	3004.8	2989.0	2953.0	2978.5	3082.8	3548.1	4125.9
30°	3840.0	3815.2	3618.6	3384.5	3310.9	3288.4	3193.9	3166.1	3185.6	3649.4	4328.5
32.5°	4010.3	3993.8	3874.5	3685.4	3617.1	3585.6	3452.0	3396.5	3350.7	3809.2	4603.2
35°	4216.7	4206.2	4134.2	3996.8	3895.5	3862.5	3759.0	3701.2	3583.3	4029.1	4958.2
37.5°	4479.4	4468.1	4469.6	4358.6	4237.7	4207.0	4138.7	4077.9	3885.0	4318.0	5343.9
40°	4776.5	4754.8	4746.5	4741.3	4664.7	4647.5	4611.5	4528.9	4263.2	4663.2	5724.4
42.5°	5223.8	5146.5	4981.4	5043.7	5119.5	5110.5	5139.8	5021.2	4683.5	5071.5	6095.8
45°	5655.3	5528.5	5243.3	5256.8	5422.7	5473.0	5692.1	5608.0	5139.0	5518.7	6480.0
47.5°	5851.9	5755.9	5513.5	5514.2	5678.6	5782.9	6263.2	6203.1	5617.8	6026.8	6949.1
50°	6071.8	5975.8	5758.1	5839.9	5983.3	6094.3	6814.7	6784.0	6073.3	6582.9	7511.2
52.5°	6311.9	6149.1	6011.0	6157.4	6358.5	6487.6	7367.1	7283.0	6491.3	7142.7	8157.3
55°	6314.9	6270.7	6375.7	6483.0	6784.0	6942.3	7945.7	7723.5	6832.0	7692.8	8683.3
57.5°	6674.4	6602.4	6825.2	6874.8	7268.0	7446.6	8521.2	8107.0	7178.7	8114.5	8967.0
60°	7150.2	7088.7	7271.0	7401.6	7866.9	8105.5	9135.9	8501.0	7451.1	8432.7	8953.5
62.5°	7971.9	7902.1	7899.9	8083.0	8709.6	8987.3	9825.5	8887.5	7559.2	8495.7	8571.5
65°	9174.9	9063.8	8854.4	8941.5	9873.5	10150.4	10596.2	9167.4	7416.6	8158.0	7587.7
67.5°	10345.6	10341.8	10084.4	10263.0	11410.4	11632.6	11474.2	9195.1	6971.6	6982.1	5842.2
70°	11512.5	11527.5	11484.0	12105.3	13486.9	13718.0	12409.3	8822.2	5971.2	5042.2	3500.1
72.5°	12437.0	12433.3	12652.4	14254.6	16181.7	16129.9	13197.2	7692.0	4287.3	2721.8	1672.7
75°	11838.2	11707.6	12360.5	15318.7	17752.4	17499.5	12527.1	5365.6	2225.1	1239.0	900.5
77.5°	7721.3	7845.1	8803.4	12654.7	15528.1	15220.4	9190.6	2503.5	1048.4	812.7	652.9
80°	2796.1	2926.7	4122.2	7168.2	10698.3	10648.0	4525.9	1028.9	709.2	613.9	475.8
82.5°	962.1	1010.1	1626.2	3183.4	6040.3	6265.4	1702.7	584.6	515.6	435.3	325.7
85°	377.5	432.3	743.7	1531.6	3046.8	3069.3	689.7	349.7	358.7	285.2	178.6
87.5°	143.3	174.1	355.7	711.4	1391.3	1278.0	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



REPORT NUMBER: P318727

CATALOG NUMBER: GAN-SA3C-740-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3395.7	3395.7	3395.7	3395.7	3395.7	3395.7	3395.7	3395.7	3395.7	3395.7	3395.7
2.5°	3401.0	3416.8	3449.8	3472.3	3496.3	3503.1	3506.1	3512.1	3518.1	3515.8	3516.6
5°	3422.0	3452.8	3506.1	3528.6	3539.1	3527.1	3503.8	3485.0	3471.5	3464.0	3461.8
7.5°	3456.5	3500.1	3557.1	3553.3	3529.3	3476.0	3416.0	3371.0	3333.5	3319.9	3312.4
10°	3502.3	3553.3	3593.1	3550.3	3480.5	3388.2	3298.2	3228.4	3172.1	3150.3	3146.6
12.5°	3560.8	3612.6	3620.1	3529.3	3413.7	3287.7	3165.4	3073.1	2989.0	2962.0	2956.0
15°	3636.6	3685.4	3638.9	3492.5	3331.2	3161.6	3003.3	2877.9	2789.4	2756.4	2744.4
17.5°	3716.2	3762.7	3642.6	3431.8	3223.1	3012.3	2813.4	2685.1	2583.8	2545.5	2541.0
20°	3811.5	3832.5	3626.9	3344.7	3074.6	2818.7	2609.3	2488.5	2434.4	2407.4	2404.4
22.5°	3929.3	3906.8	3590.9	3226.9	2886.2	2595.0	2424.7	2368.4	2354.9	2348.9	2351.1
25°	4053.9	3984.8	3537.6	3073.1	2648.3	2371.4	2289.6	2305.4	2323.4	2321.1	2321.1
27.5°	4191.2	4064.4	3455.8	2868.9	2384.9	2188.3	2198.0	2255.8	2282.8	2282.1	2281.3
30°	4367.6	4154.4	3351.5	2623.5	2138.8	2059.2	2118.5	2189.0	2225.8	2224.3	2225.1
32.5°	4584.4	4253.5	3209.6	2349.6	1960.9	1963.9	2032.2	2102.0	2144.8	2141.0	2141.8
35°	4838.1	4364.6	3017.5	2079.5	1843.1	1888.1	1942.1	1990.9	2031.4	2026.2	2020.9
37.5°	5114.2	4473.4	2762.4	1837.8	1747.0	1817.6	1862.6	1870.8	1889.6	1876.1	1866.3
40°	5376.9	4556.7	2433.7	1639.7	1650.2	1757.5	1786.8	1753.8	1720.0	1715.5	1702.0
42.5°	5605.8	4584.4	2101.2	1481.4	1548.2	1694.5	1712.5	1643.5	1582.7	1554.2	1542.2
45°	5847.4	4594.2	1791.3	1348.5	1449.8	1638.2	1657.7	1565.4	1479.9	1418.3	1398.1
47.5°	6163.4	4664.7	1550.4	1250.2	1374.8	1600.7	1628.5	1503.1	1392.1	1304.3	1285.5
50°	6576.9	4804.3	1354.5	1175.2	1326.0	1575.9	1607.4	1442.3	1320.0	1214.2	1195.5
52.5°	7036.1	4932.6	1196.2	1114.4	1278.7	1532.4	1580.4	1398.8	1252.5	1130.9	1110.7
55°	7357.3	4834.3	1068.6	1051.4	1217.2	1470.1	1542.9	1362.0	1155.7	1049.9	1031.9
57.5°	7418.8	4498.1	971.8	986.1	1142.9	1392.1	1485.1	1280.2	1103.1	1014.6	995.8
60°	7250.7	4029.9	899.8	926.0	1063.4	1293.8	1377.1	1222.5	1052.9	977.1	961.3
62.5°	6828.3	3550.3	846.5	872.0	989.1	1193.9	1309.5	1161.7	1001.8	934.3	918.5
65°	5975.0	2980.7	795.5	824.0	920.0	1107.6	1248.7	1105.4	951.6	899.8	884.8
67.5°	4510.1	2232.6	747.4	773.0	858.5	1032.6	1182.7	1049.9	902.8	869.8	851.7
70°	2655.8	1398.1	692.7	719.7	794.0	954.6	1112.2	989.1	842.0	827.0	803.7
72.5°	1236.0	841.2	630.4	656.6	712.9	850.2	1021.3	909.5	770.0	736.9	705.4
75°	737.7	615.4	556.8	580.1	619.9	739.2	907.3	828.5	701.7	658.1	625.1
77.5°	551.6	470.5	475.8	500.5	532.8	646.9	803.7	764.7	649.1	615.4	592.8
80°	397.0	357.2	388.0	415.0	448.8	588.3	770.0	706.9	586.8	541.8	520.8
82.5°	264.9	256.7	291.9	319.7	352.7	514.8	723.4	619.1	501.3	444.3	397.7
85°	146.3	154.6	196.6	208.6	237.1	362.5	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	179.4	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)