

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: P318324

Luminaire Tested: **GAN-SA0B-727-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0B-727-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47313 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

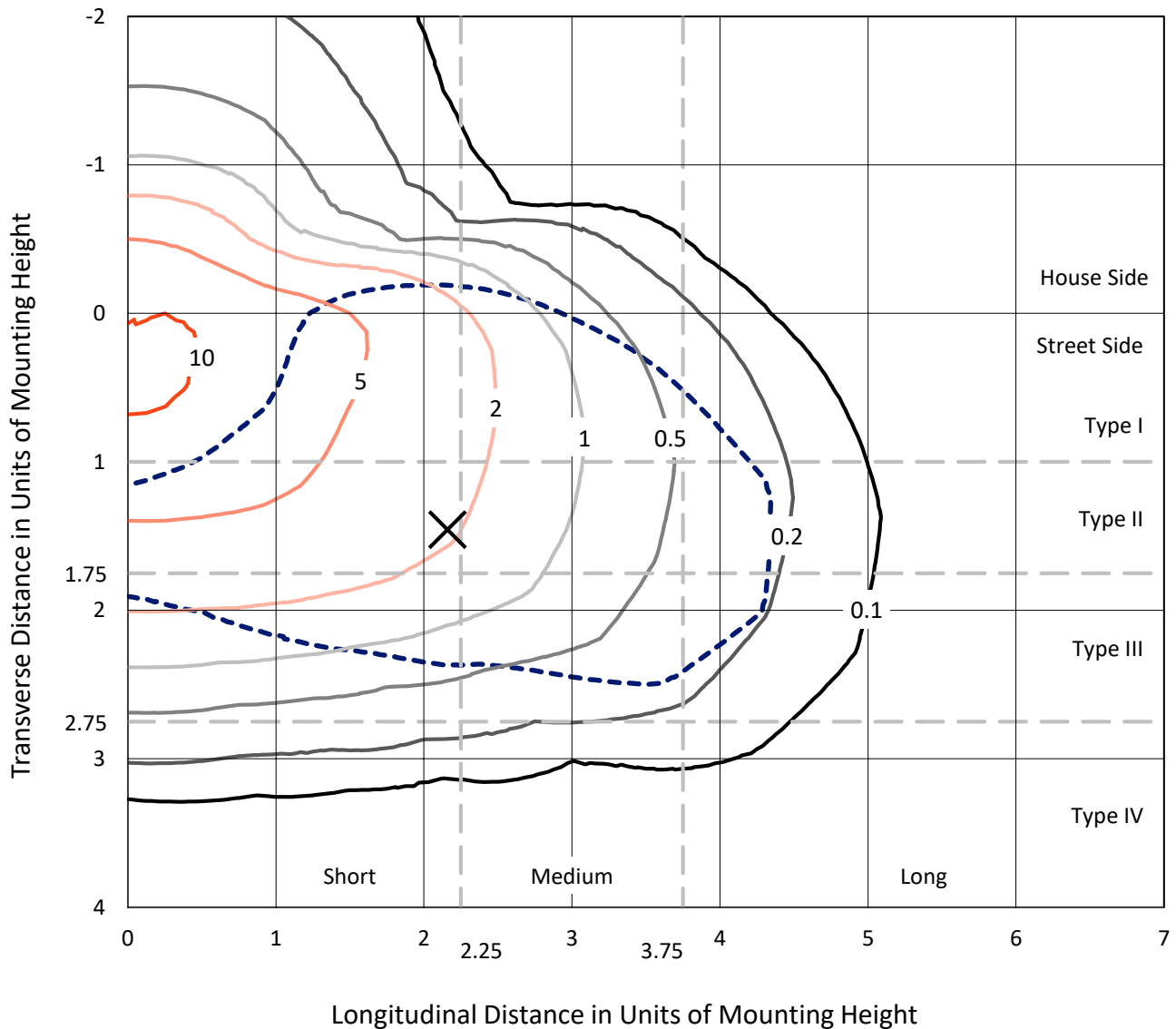
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P318324
 CATALOG NUMBER: GAN-SA0B-727-U-T3

Iso-Footcandle Lines of Horizontal Illumination

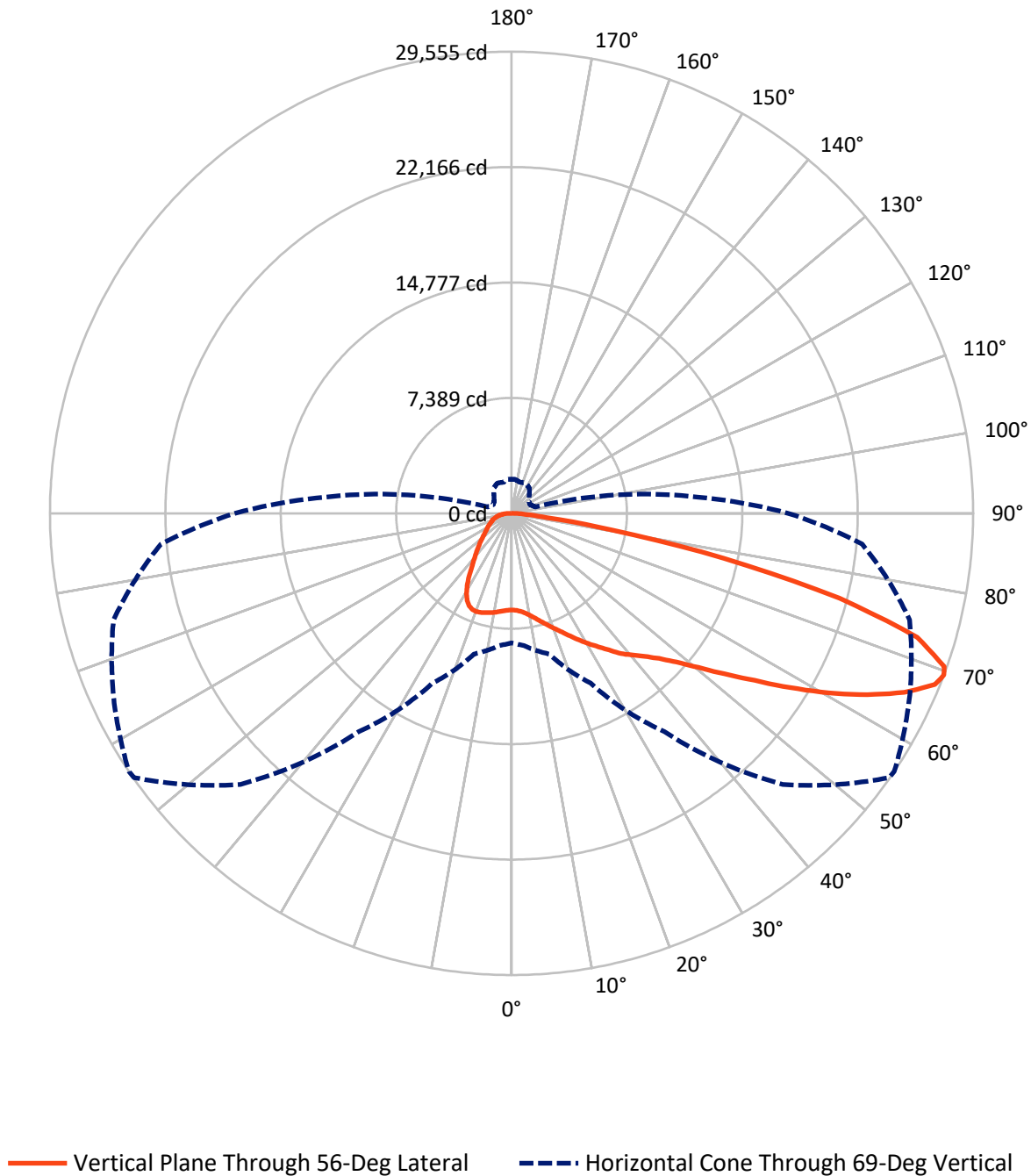
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 fc
 Type III - Short - N/A

REPORT NUMBER: P318324
CATALOG NUMBER: GAN-SA0B-727-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P318324

CATALOG NUMBER: GAN-SA0B-727-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10536.5	0.0	10536.5
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	36776.5	0.0	36776.5
	% Fixture	77.7	0.0	77.7
Total	Lumens	47313.0	0.0	47313.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.5	1.3
10°-20°	1953.5	4.1
20°-30°	3410.1	7.2
30°-40°	4898.5	10.4
40°-50°	6779.2	14.3
50°-60°	9932.5	21.0
60°-70°	12109.6	25.6
70°-80°	6695.0	14.2
80°-90°	927.3	2.0
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°	47313.0	100.0
0°-180°	47313.0	100.0

Coefficient of Utilization



REPORT NUMBER: P318324

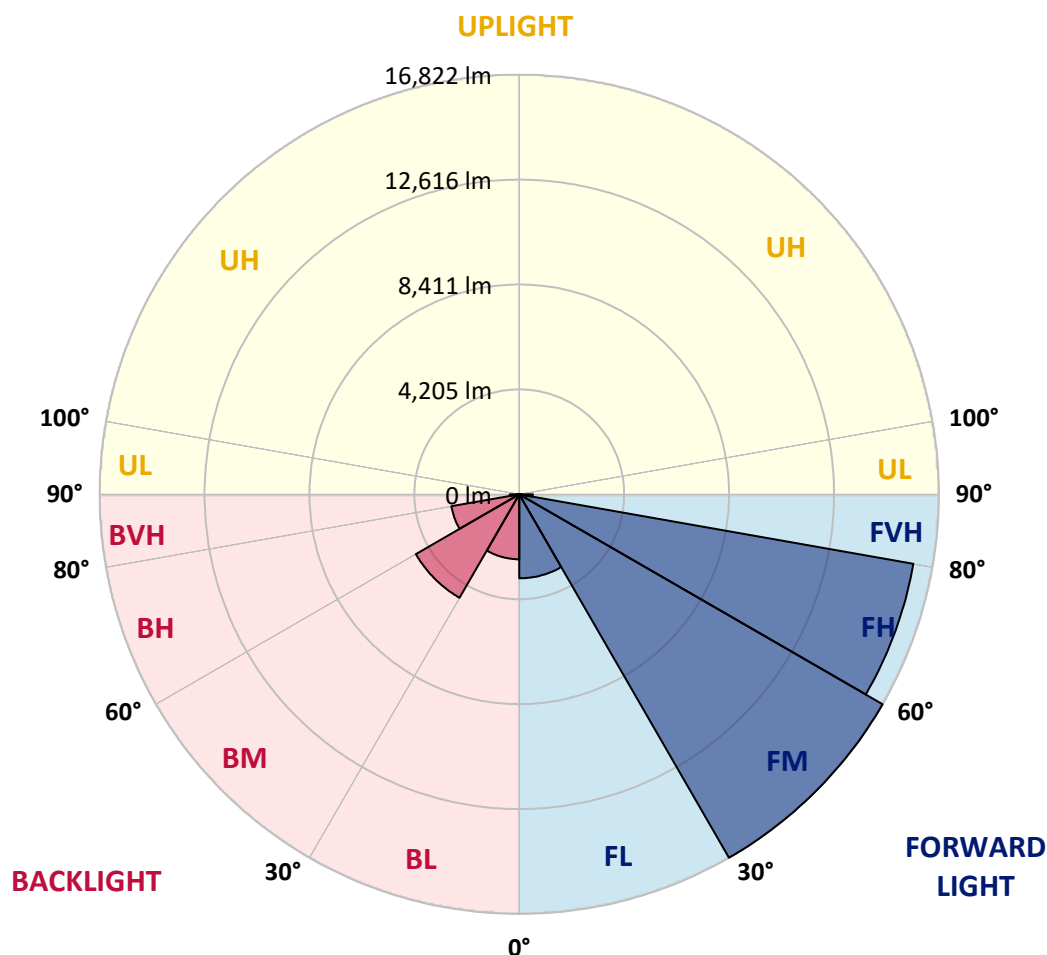
CATALOG NUMBER: GAN-SA0B-727-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3367.3	7.1			
FM	(30°-60°)	16821.5	35.6			
FH	(60°-80°)	16041.5	33.9			G5
FVH	(80°-90°)	546.2	1.2			G4/750
BL	(0°-30°)	2603.8	5.5	B4/5000		
BM	(30°-60°)	4788.6	10.1	B3/5000		
BH	(60°-80°)	2763.0	5.8	B4/5000		G4/5000
BVH	(80°-90°)	381.1	0.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Short





REPORT NUMBER: P318324

CATALOG NUMBER: GAN-SA0B-727-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	6185.5	6185.5	6185.5	6185.5	6185.5	6185.5	6185.5	6185.5	6185.5	6185.5	6185.5
2.5°	6224.6	6231.1	6226.2	6239.2	6224.6	6234.4	6226.2	6226.2	6221.3	6206.7	6190.4
5°	6322.4	6335.4	6327.3	6340.3	6322.4	6325.6	6311.0	6311.0	6296.3	6265.3	6232.7
7.5°	6475.6	6490.3	6483.7	6496.8	6472.3	6472.3	6452.8	6451.1	6421.8	6371.3	6333.8
10°	6658.1	6677.7	6671.2	6690.7	6671.2	6677.7	6658.1	6658.1	6619.0	6547.3	6500.0
12.5°	6923.8	6948.3	6930.3	6928.7	6920.5	6933.6	6917.3	6914.0	6878.2	6780.4	6715.2
15°	7279.1	7305.2	7267.7	7264.5	7218.8	7213.9	7213.9	7209.0	7186.2	7068.9	6961.3
17.5°	7688.2	7696.4	7663.8	7611.6	7552.9	7515.5	7510.6	7523.6	7523.6	7386.7	7215.6
20°	8089.2	8103.9	8077.8	8019.1	7944.1	7888.7	7849.6	7875.7	7874.0	7711.0	7468.2
22.5°	8526.0	8560.2	8521.1	8446.1	8358.1	8296.2	8227.7	8250.5	8252.2	8051.7	7715.9
25°	9091.6	9060.6	9036.2	8930.2	8804.7	8741.1	8677.6	8700.4	8693.9	8418.4	7971.8
27.5°	9591.9	9598.5	9565.9	9453.4	9308.3	9168.2	9164.9	9179.6	9155.1	8799.8	8213.1
30°	10173.8	10177.1	10131.4	10030.4	9872.3	9691.4	9649.0	9673.4	9621.3	9161.7	8467.3
32.5°	10752.4	10768.7	10718.2	10596.0	10468.8	10248.8	10164.0	10180.3	10050.0	9531.6	8729.7
35°	11259.3	11282.2	11265.9	11184.4	11045.8	10856.7	10755.7	10745.9	10584.6	9984.8	9076.9
37.5°	11776.0	11797.2	11779.3	11710.8	11655.4	11454.9	11401.1	11401.1	11120.8	10447.6	9518.6
40°	12307.4	12340.0	12318.8	12224.2	12177.0	12085.7	11956.9	11926.0	11622.8	11003.4	10239.0
42.5°	12801.2	12843.6	12928.4	12872.9	12776.8	12789.8	12530.7	12514.4	12292.7	11824.9	11143.6
45°	13502.1	13564.0	13707.4	13665.1	13645.5	13573.8	13265.7	13251.1	13166.3	12930.0	12266.6
47.5°	14266.5	14351.3	14610.4	14618.6	14828.8	14693.5	14274.6	14224.1	14243.7	14253.5	13637.4
50°	14970.6	15063.5	15488.9	15689.4	16184.9	16214.2	15544.3	15498.7	15575.3	15800.2	15234.7
52.5°	15532.9	15650.3	16181.6	16801.0	17650.2	17891.4	17107.4	17073.2	17130.2	17518.1	17040.6
55°	15945.3	16072.4	16651.0	17778.9	19135.0	19560.4	18906.8	18874.2	18910.1	19403.9	19004.6
57.5°	16041.5	16072.4	16911.8	18437.4	20388.4	21410.3	21108.8	21043.6	20867.6	21297.9	21172.4
60°	15590.0	15713.8	16696.7	18668.9	21358.2	23234.2	23410.2	23328.7	22834.9	23186.9	23085.9
62.5°	14674.0	14895.6	15893.1	18316.8	21737.9	24723.9	25667.6	25569.8	24719.0	24947.2	24461.5
65°	13177.7	13272.3	14320.3	17102.5	21255.5	25677.4	27680.6	27631.7	26560.8	26203.9	24715.8
67.5°	10501.4	10679.1	11569.0	14564.8	19281.7	25564.9	29237.1	29232.2	27763.7	26670.0	23814.4
69°	8296.2	8480.4	9327.9	11997.7	17061.8	24536.5	29497.9	29554.9	28102.7	26386.4	22526.8
70°	6614.1	6827.6	7409.5	10105.4	15091.2	23180.4	29281.1	29383.8	28037.5	25918.6	21338.6
72.5°	2814.8	2987.6	3401.6	5209.2	9197.5	17309.5	26772.7	27160.6	26526.6	23721.5	17635.5
75°	1228.9	1282.7	1470.2	2123.8	4082.9	9420.8	20973.5	21690.7	22681.7	20051.0	13137.0
77.5°	899.7	922.5	1025.2	1246.9	1832.0	3558.1	13487.4	13904.7	16357.7	14590.8	8058.2
80°	696.0	712.3	792.1	916.0	1196.3	1439.2	6151.2	6509.8	9197.5	7494.3	3356.0
82.5°	554.2	565.6	621.0	674.8	826.4	872.0	2042.3	2265.6	3395.1	2070.0	888.3
85°	515.0	528.1	547.6	492.2	529.7	511.8	883.4	924.2	1025.2	813.3	371.6
87.5°	233.1	275.5	542.8	383.0	282.0	224.9	361.8	378.1	425.4	427.0	164.6
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: P318324

CATALOG NUMBER: GAN-SA0B-727-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6185.5	6185.5	6185.5	6185.5	6185.5	6185.5	6185.5	6185.5	6185.5	6185.5	6185.5
2.5°	6200.1	6195.2	6203.4	6183.8	6208.3	6206.7	6198.5	6201.8	6218.1	6216.4	6218.1
5°	6237.6	6234.4	6244.1	6229.5	6258.8	6268.6	6270.2	6284.9	6302.8	6307.7	6307.7
7.5°	6332.2	6332.2	6337.0	6317.5	6337.0	6335.4	6327.3	6341.9	6359.9	6361.5	6359.9
10°	6495.1	6496.8	6488.6	6438.1	6421.8	6377.8	6337.0	6338.7	6361.5	6379.4	6384.3
12.5°	6700.5	6694.0	6658.1	6565.2	6496.8	6407.1	6364.8	6363.1	6385.9	6400.6	6405.5
15°	6935.2	6917.3	6824.4	6672.8	6552.2	6464.2	6395.7	6379.4	6366.4	6350.1	6351.7
17.5°	7156.9	7116.1	6961.3	6751.0	6623.9	6506.6	6374.5	6268.6	6195.2	6152.9	6139.8
20°	7381.8	7301.9	7078.6	6824.4	6663.0	6449.5	6195.2	5980.1	5846.4	5784.5	5773.1
22.5°	7587.2	7458.4	7187.8	6901.0	6632.1	6257.2	5857.9	5544.9	5359.1	5276.0	5282.5
25°	7787.7	7608.4	7301.9	6954.8	6475.6	5918.2	5388.4	5003.8	4788.6	4695.7	4692.5
27.5°	7963.7	7759.9	7425.8	6910.8	6183.8	5435.7	4832.6	4457.8	4278.5	4198.6	4185.6
30°	8165.8	7950.6	7590.4	6742.9	5756.8	4878.3	4289.9	4025.8	3898.7	3818.9	3804.2
32.5°	8411.9	8209.8	7725.7	6438.1	5210.8	4296.4	3866.1	3681.9	3566.2	3476.6	3460.3
35°	8770.5	8552.1	7759.9	6001.3	4611.0	3836.8	3554.8	3365.7	3209.3	3093.5	3082.1
37.5°	9220.3	8980.7	7681.7	5435.7	4029.1	3538.5	3295.7	3062.6	2858.8	2695.9	2669.8
40°	9869.0	9507.2	7464.9	4783.8	3600.4	3308.7	3043.0	2777.3	2524.7	2334.0	2296.5
42.5°	10648.1	10124.9	7132.4	4135.1	3285.9	3075.6	2792.0	2462.8	2221.6	2086.3	2066.7
45°	11639.1	10767.1	6671.2	3567.8	2976.2	2842.5	2521.5	2218.3	2068.3	1968.9	1952.6
47.5°	12770.3	11487.5	6187.1	3106.6	2713.8	2624.1	2304.7	2109.1	1990.1	1911.9	1897.2
50°	14160.6	12300.8	5673.7	2728.4	2449.7	2361.7	2202.0	2048.8	1954.2	1893.9	1879.3
52.5°	15728.5	13218.5	5303.7	2430.2	2231.3	2167.8	2148.2	2016.2	1939.6	1893.9	1879.3
55°	17417.1	14152.4	4904.4	2179.2	2042.3	2060.2	2112.3	2019.4	1967.3	1911.9	1890.7
57.5°	19107.3	15117.3	4459.4	1967.3	1892.3	1980.3	2087.9	2026.0	1982.0	1928.2	1908.6
60°	20443.8	15728.5	3770.0	1789.6	1773.3	1892.3	2029.2	1977.1	1920.0	1921.6	1918.4
62.5°	21068.1	15695.9	3008.8	1631.5	1654.3	1773.3	1934.7	1900.5	1853.2	1916.8	1921.6
65°	20717.6	14913.6	2342.2	1488.1	1527.2	1649.5	1836.9	1863.0	1879.3	2001.5	2017.8
67.5°	19247.5	13391.2	1814.1	1362.6	1411.5	1564.7	1846.7	2029.2	2050.4	2179.2	2177.5
69°	17726.8	11963.5	1576.1	1297.4	1354.4	1585.9	1973.8	2135.2	2055.3	2192.2	2172.7
70°	16452.2	10833.9	1449.0	1253.4	1328.4	1623.4	2058.6	2133.5	2030.9	2148.2	2115.6
72.5°	12670.8	7794.2	1228.9	1171.9	1240.4	1553.3	2083.0	2086.3	1973.8	1996.6	1941.2
75°	8690.6	4925.6	1072.5	1061.1	1106.7	1400.1	2004.8	1993.4	1825.5	1792.9	1747.3
77.5°	4791.9	2501.9	911.1	955.1	986.1	1240.4	1822.2	1805.9	1667.4	1598.9	1582.6
80°	1848.3	1095.3	769.3	849.2	868.7	1074.1	1597.3	1582.6	1466.9	1378.9	1354.4
82.5°	697.6	573.7	635.7	735.1	728.6	886.7	1352.8	1344.7	1232.2	1103.4	1064.3
85°	322.7	343.9	503.6	606.3	559.1	656.8	1082.3	1096.9	960.0	806.8	806.8
87.5°	136.9	192.3	356.9	458.0	376.5	443.3	793.8	757.9	696.0	482.4	453.1
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)