

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: P320091

Luminaire Tested: **GAN-SA7C-760-U-SL4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7C-760-U-SL4
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47537 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 391
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

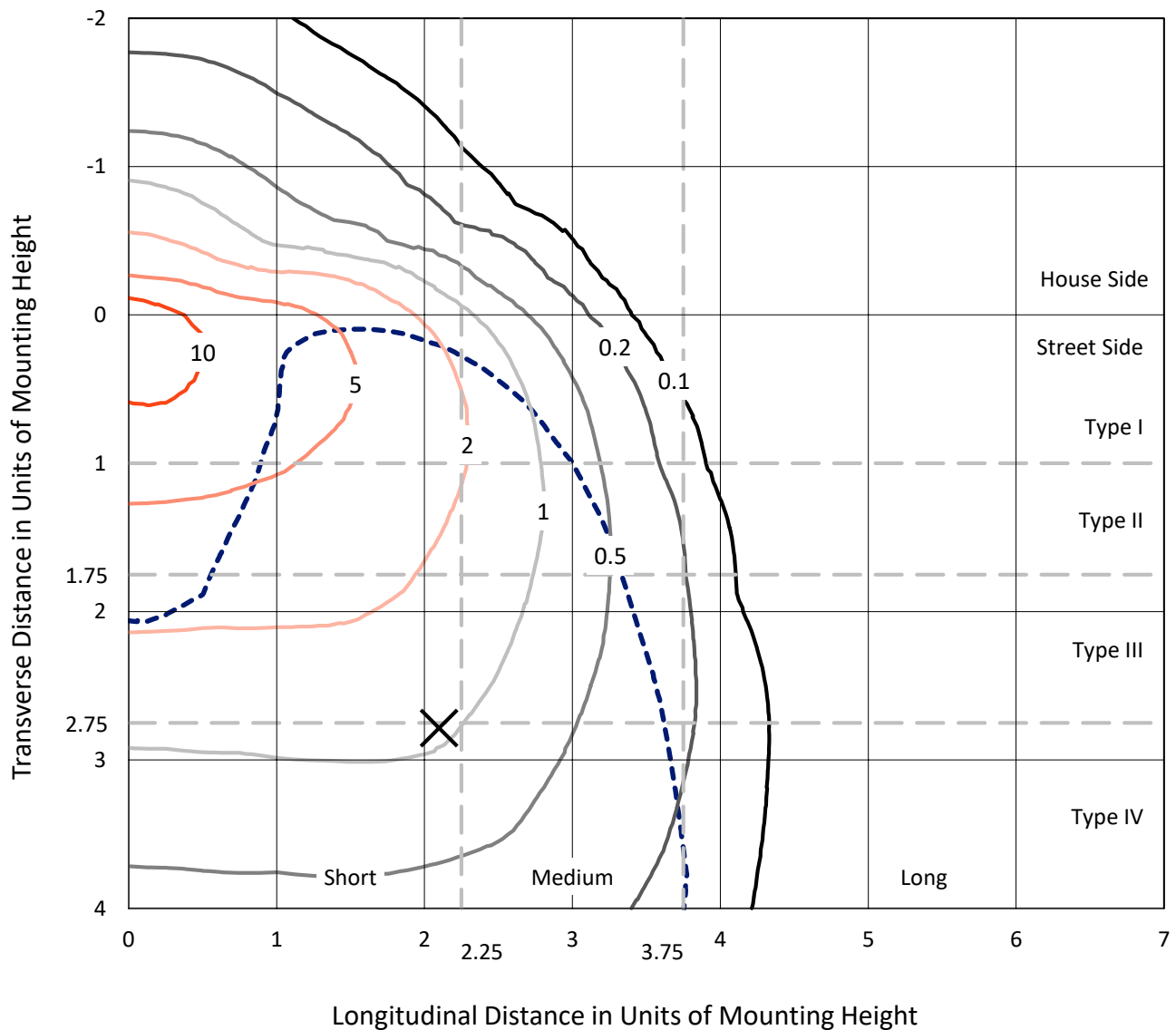


REPORT NUMBER: P320091

CATALOG NUMBER: GAN-SA7C-760-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

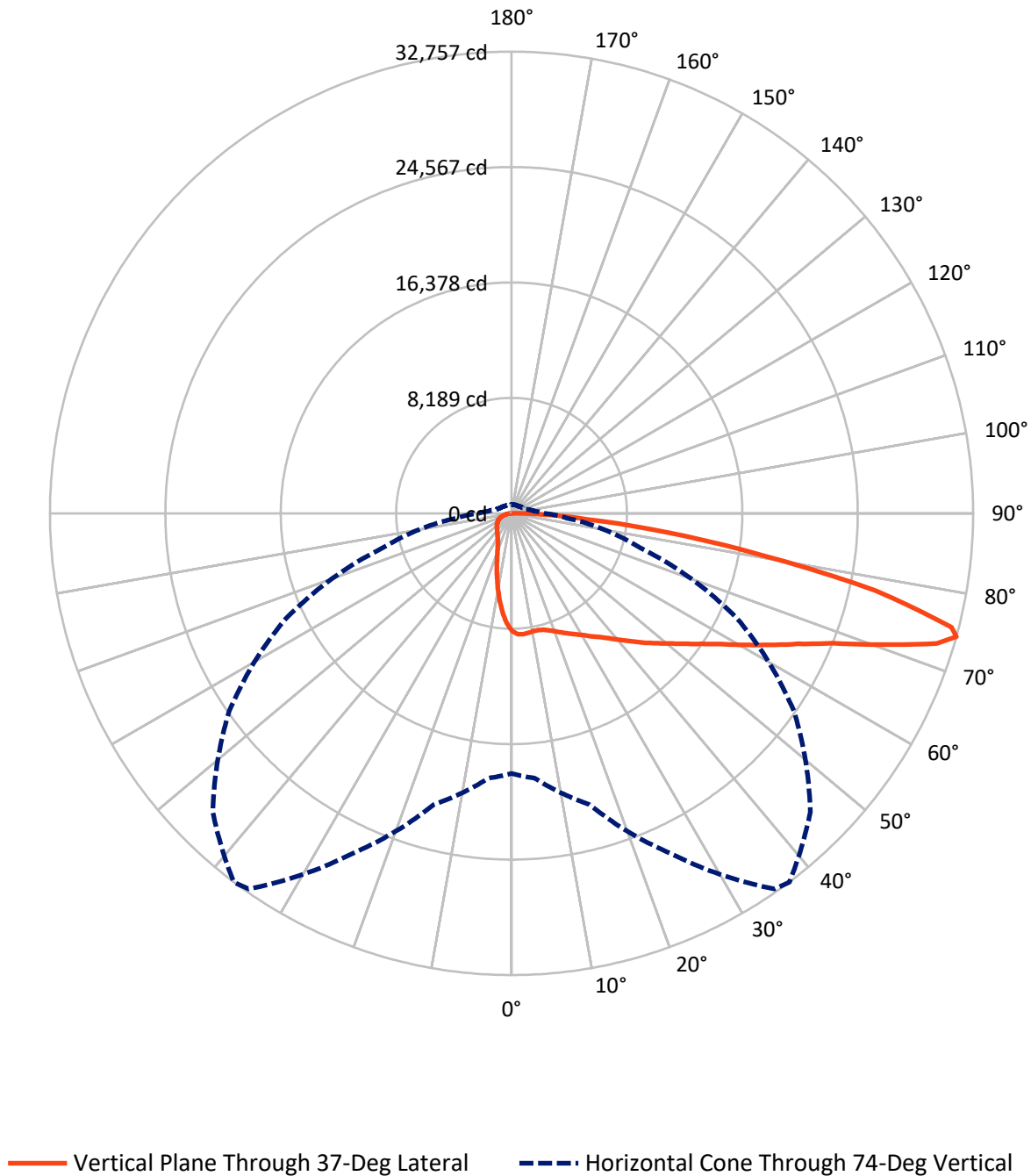
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P320091
CATALOG NUMBER: GAN-SA7C-760-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P320091

CATALOG NUMBER: GAN-SA7C-760-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6540.8	0.0	6540.8
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	40996.3	0.0	40996.3
	% Fixture	86.2	0.0	86.2
Total	Lumens	47537.0	0.0	47537.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	737.6	1.6
10°-20°	1890.6	4.0
20°-30°	2913.1	6.1
30°-40°	4236.1	8.9
40°-50°	6234.8	13.1
50°-60°	8755.6	18.4
60°-70°	11081.9	23.3
70°-80°	9758.0	20.5
80°-90°	1929.4	4.1
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°	47537.0	100.0
0°-180°	47537.0	100.0

Coefficient of Utilization



REPORT NUMBER: P320091

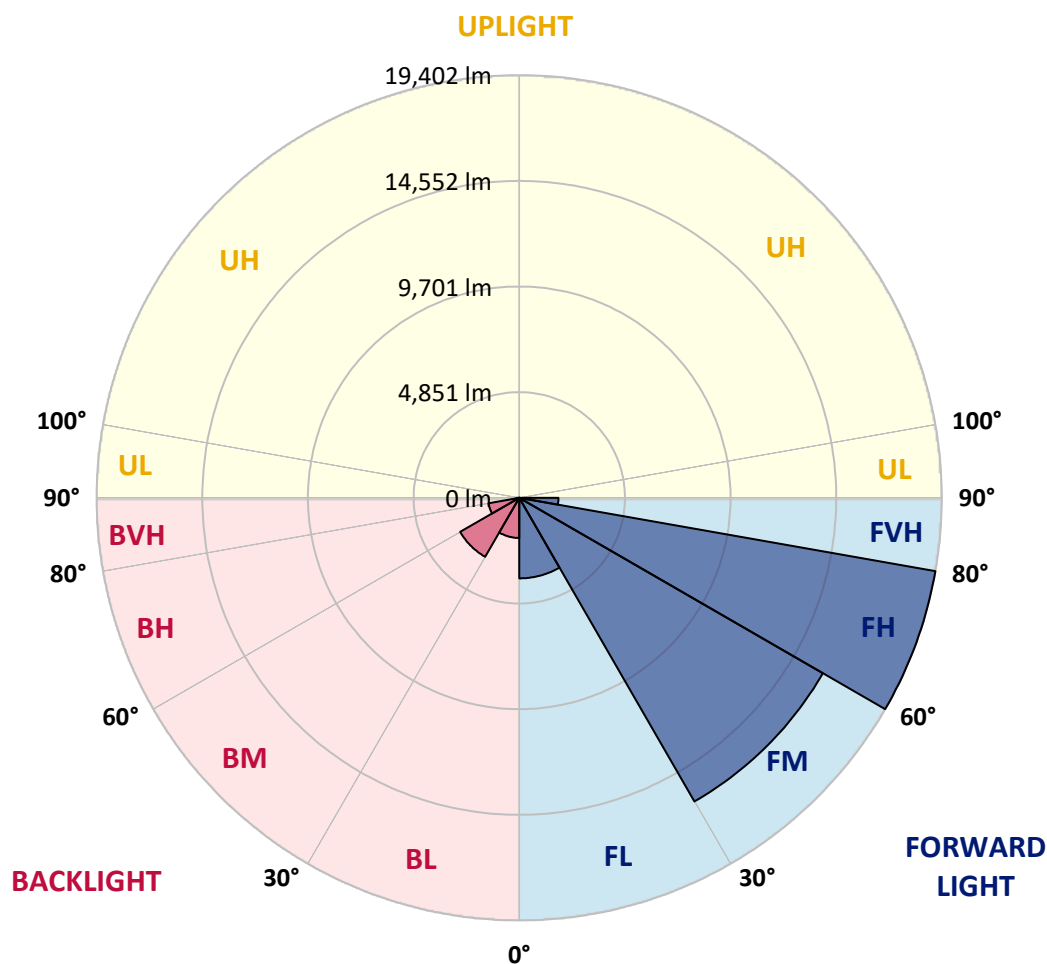
CATALOG NUMBER: GAN-SA7C-760-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3698.9	7.8			
FM	(30°-60°)	16096.4	33.9			
FH	(60°-80°)	19402.2	40.8			G5
FVH	(80°-90°)	1798.7	3.8			G5
BL	(0°-30°)	1842.4	3.9	B3/2500		
BM	(30°-60°)	3130.0	6.6	B3/5000		
BH	(60°-80°)	1437.7	3.0	B3/2500		G3/2500
BVH	(80°-90°)	130.6	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





REPORT NUMBER: P320091

CATALOG NUMBER: GAN-SA7C-760-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	8375.8	8375.8	8375.8	8375.8	8375.8	8375.8	8375.8	8375.8	8375.8	8375.8	8375.8
2.5°	8662.2	8663.8	8662.2	8648.8	8617.0	8590.2	8568.4	8536.6	8466.3	8412.7	8332.3
5°	8744.2	8734.2	8727.5	8702.4	8652.1	8622.0	8580.1	8519.8	8404.3	8297.1	8166.5
7.5°	8705.7	8694.0	8678.9	8648.8	8591.8	8566.7	8508.1	8429.4	8290.4	8149.8	7962.2
10°	8586.8	8583.5	8576.8	8570.1	8521.5	8501.4	8447.8	8364.1	8226.8	8056.0	7836.6
12.5°	8454.5	8462.9	8489.7	8524.9	8503.1	8493.0	8459.6	8402.6	8262.0	8077.8	7813.2
15°	8370.8	8394.3	8466.3	8558.4	8576.8	8573.4	8565.1	8528.2	8379.2	8174.9	7866.8
17.5°	8342.3	8380.9	8518.2	8670.5	8724.1	8735.9	8739.2	8675.6	8509.8	8293.8	7922.0
20°	8394.3	8442.8	8643.8	8853.1	8938.5	8945.2	8930.1	8819.6	8633.7	8395.9	7952.2
22.5°	8551.7	8595.2	8846.4	9082.5	9179.6	9189.6	9144.4	8977.0	8764.3	8516.5	7994.0
25°	8854.7	8908.3	9159.5	9395.6	9445.8	9447.5	9382.2	9174.6	8935.1	8685.6	8084.5
27.5°	9249.9	9303.5	9529.6	9760.6	9733.9	9718.8	9630.0	9422.4	9157.8	8918.4	8245.2
30°	9690.3	9748.9	9963.3	10127.4	10063.7	10033.6	9961.6	9693.7	9467.6	9236.5	8491.4
32.5°	10145.8	10199.4	10386.9	10499.1	10418.7	10405.3	10296.5	10052.0	9871.2	9722.1	8889.9
35°	10613.0	10651.5	10835.7	10899.3	10792.1	10788.8	10758.6	10534.3	10420.4	10490.7	9469.3
37.5°	11090.2	11100.2	11257.6	11261.0	11229.2	11242.6	11274.4	11133.7	11165.5	11384.9	10222.8
40°	11515.5	11542.3	11656.2	11691.3	11746.6	11793.5	11952.6	11860.5	12106.6	12495.1	11160.5
42.5°	11830.3	11882.2	12064.8	12155.2	12334.3	12408.0	12632.4	12717.8	13213.5	13796.2	12275.7
45°	12096.6	12176.9	12470.0	12655.9	12958.9	13087.9	13409.4	13695.7	14464.3	15207.8	13449.6
47.5°	12384.6	12486.7	12853.4	13208.4	13620.4	13766.0	14350.4	14779.1	15798.9	16627.8	14556.4
50°	12808.2	12886.9	13245.3	13802.9	14317.0	14504.5	15313.3	15927.8	17155.2	17980.8	15515.9
52.5°	13399.3	13369.2	13672.3	14454.3	15144.2	15375.2	16341.4	17150.2	18530.0	19204.8	16326.3
55°	13993.8	13943.5	14156.2	15135.8	16108.7	16351.5	17473.4	18377.6	19837.8	20306.6	16947.6
57.5°	14655.2	14559.8	14738.9	15904.4	17207.1	17496.8	18741.0	19682.0	21123.8	21197.5	17342.8
60°	15336.7	15207.8	15408.7	16857.2	18602.0	18943.6	20224.6	20954.7	22336.1	21910.8	17470.0
62.5°	15932.8	15842.4	16152.2	17920.5	20174.3	20549.4	21681.4	22307.7	23531.7	22207.2	17011.2
65°	16453.6	16468.7	17004.5	19116.1	21927.5	22327.7	23352.5	23975.5	24472.8	22031.4	15937.9
67.5°	17074.8	17160.2	18074.5	20690.1	24134.5	24573.2	25783.9	25794.0	24998.6	20999.9	13824.6
70°	17980.8	18156.6	19546.4	22873.6	27272.5	27875.4	28809.7	26862.3	24260.1	18203.5	10877.5
72.5°	18784.5	19112.7	21112.1	25372.0	31097.1	31554.2	30579.7	26246.1	21174.0	13642.1	6776.7
74°	18458.0	18864.9	21396.7	26602.7	32537.2	32756.5	29981.9	24447.7	17654.2	9447.5	3938.4
75°	17754.7	18196.8	20981.5	26591.0	32354.6	32232.4	28538.5	22393.1	14539.7	6443.5	2620.6
77.5°	14328.7	14795.9	17679.3	22789.9	26529.1	26413.5	21922.5	15021.9	6368.1	2113.2	1331.2
80°	8330.6	8687.3	10974.7	14472.7	17888.7	18098.0	14417.4	7433.1	2505.0	1187.2	902.6
82.5°	3700.6	3946.8	5301.5	7387.9	10795.5	11065.1	7550.3	3894.9	1547.2	721.7	542.5
85°	2428.0	2610.5	3218.4	3518.1	5140.7	5324.9	3695.6	3032.5	1021.4	396.9	398.5
87.5°	1746.5	1922.3	2391.2	2088.1	2359.4	2233.8	2011.1	2806.5	410.3	226.1	134.0
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: P320091

CATALOG NUMBER: GAN-SA7C-760-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8375.8	8375.8	8375.8	8375.8	8375.8	8375.8	8375.8	8375.8	8375.8	8375.8	8375.8
2.5°	8297.1	8270.3	8210.1	8096.2	8032.6	7979.0	7890.2	7838.3	7814.9	7813.2	7823.3
5°	8091.2	8029.2	7873.5	7682.6	7530.2	7391.2	7218.8	7114.9	7041.3	6997.7	7009.4
7.5°	7851.7	7754.6	7510.1	7205.4	6960.9	6691.3	6425.0	6266.0	6142.1	6050.0	6066.7
10°	7687.6	7553.7	7197.0	6758.3	6351.4	5959.5	5592.8	5373.5	5199.3	5065.4	5075.4
12.5°	7632.4	7451.5	6957.5	6371.5	5800.5	5264.6	4785.7	4449.1	4270.0	4117.6	4129.3
15°	7640.7	7397.9	6756.6	6023.2	5304.8	4630.0	4048.9	3655.4	3412.6	3307.1	3308.8
17.5°	7647.4	7336.0	6545.6	5649.8	4814.2	4037.2	3405.9	3007.4	2778.0	2680.9	2682.5
20°	7625.7	7235.5	6284.4	5221.1	4301.8	3493.0	2881.8	2543.6	2369.4	2294.1	2294.1
22.5°	7597.2	7116.6	5989.7	4790.7	3796.1	3020.8	2506.7	2248.8	2148.4	2098.1	2096.5
25°	7610.6	7027.9	5688.3	4348.7	3330.6	2644.0	2257.2	2086.4	2019.4	1987.6	1986.0
27.5°	7682.6	6986.0	5410.3	3908.3	2923.7	2361.0	2089.8	1969.2	1925.7	1905.6	1905.6
30°	7813.2	6986.0	5120.6	3533.2	2585.4	2151.7	1960.8	1878.8	1848.6	1835.2	1835.2
32.5°	8040.9	7024.5	4841.0	3161.5	2315.8	1987.6	1853.7	1798.4	1775.0	1768.3	1768.3
35°	8432.8	7155.1	4568.0	2809.8	2098.1	1853.7	1751.5	1719.7	1703.0	1701.3	1706.3
37.5°	8983.7	7421.4	4311.8	2550.3	1944.1	1744.8	1666.1	1641.0	1631.0	1639.3	1646.0
40°	9676.9	7783.1	4079.1	2315.8	1826.9	1657.8	1587.4	1570.7	1565.7	1577.4	1587.4
42.5°	10514.2	8272.0	3888.2	2146.7	1736.5	1584.1	1520.4	1500.3	1495.3	1508.7	1522.1
45°	11420.1	8797.8	3754.2	2021.1	1666.1	1528.8	1461.8	1440.1	1430.0	1436.7	1451.8
47.5°	12243.9	9295.1	3700.6	1932.4	1599.1	1481.9	1409.9	1383.1	1366.4	1363.0	1374.8
50°	12938.8	9665.2	3725.8	1878.8	1545.6	1430.0	1359.7	1329.6	1304.4	1289.4	1297.7
52.5°	13444.5	9898.0	3749.2	1855.3	1503.7	1373.1	1304.4	1276.0	1242.5	1217.4	1217.4
55°	13811.3	9951.5	3697.3	1836.9	1471.9	1311.1	1242.5	1215.7	1182.2	1153.7	1150.4
57.5°	13955.3	9800.8	3504.7	1810.1	1450.1	1252.5	1177.2	1157.1	1128.6	1095.1	1093.4
60°	13761.0	9335.3	3133.0	1753.2	1421.6	1204.0	1111.9	1098.5	1085.1	1053.3	1051.6
62.5°	12980.7	8313.9	2652.4	1637.7	1364.7	1152.1	1051.6	1058.3	1060.0	1038.2	1034.8
65°	11565.8	6910.7	2183.5	1487.0	1279.3	1090.1	989.6	1021.4	1039.9	1036.5	1031.5
67.5°	9509.5	5378.5	1850.3	1327.9	1167.1	1004.7	922.6	959.5	974.6	986.3	982.9
70°	7058.0	3792.7	1530.5	1160.4	1031.5	904.2	835.6	854.0	843.9	857.3	862.4
72.5°	3935.1	2275.6	1247.5	993.0	890.8	787.0	738.5	735.1	713.3	713.3	713.3
74°	2361.0	1669.5	1096.8	889.2	805.4	710.0	668.1	653.1	633.0	634.6	633.0
75°	1898.9	1435.0	1006.4	820.5	745.2	664.8	622.9	602.8	587.7	587.7	586.1
77.5°	1198.9	1090.1	810.5	653.1	596.1	547.6	519.1	492.3	492.3	490.6	489.0
80°	905.9	867.4	631.3	494.0	457.1	420.3	401.9	390.2	390.2	395.2	393.5
82.5°	621.2	653.1	443.7	344.9	326.5	299.7	296.4	298.1	293.0	286.3	284.7
85°	453.8	490.6	299.7	217.7	199.3	182.5	195.9	202.6	194.2	179.2	172.5
87.5°	174.1	321.5	160.8	90.4	83.7	72.0	83.7	87.1	93.8	73.7	75.4
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)