

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: P533106

Luminaire Tested: **GLAN-SA8C-730-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533106
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-730-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44081 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 429
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



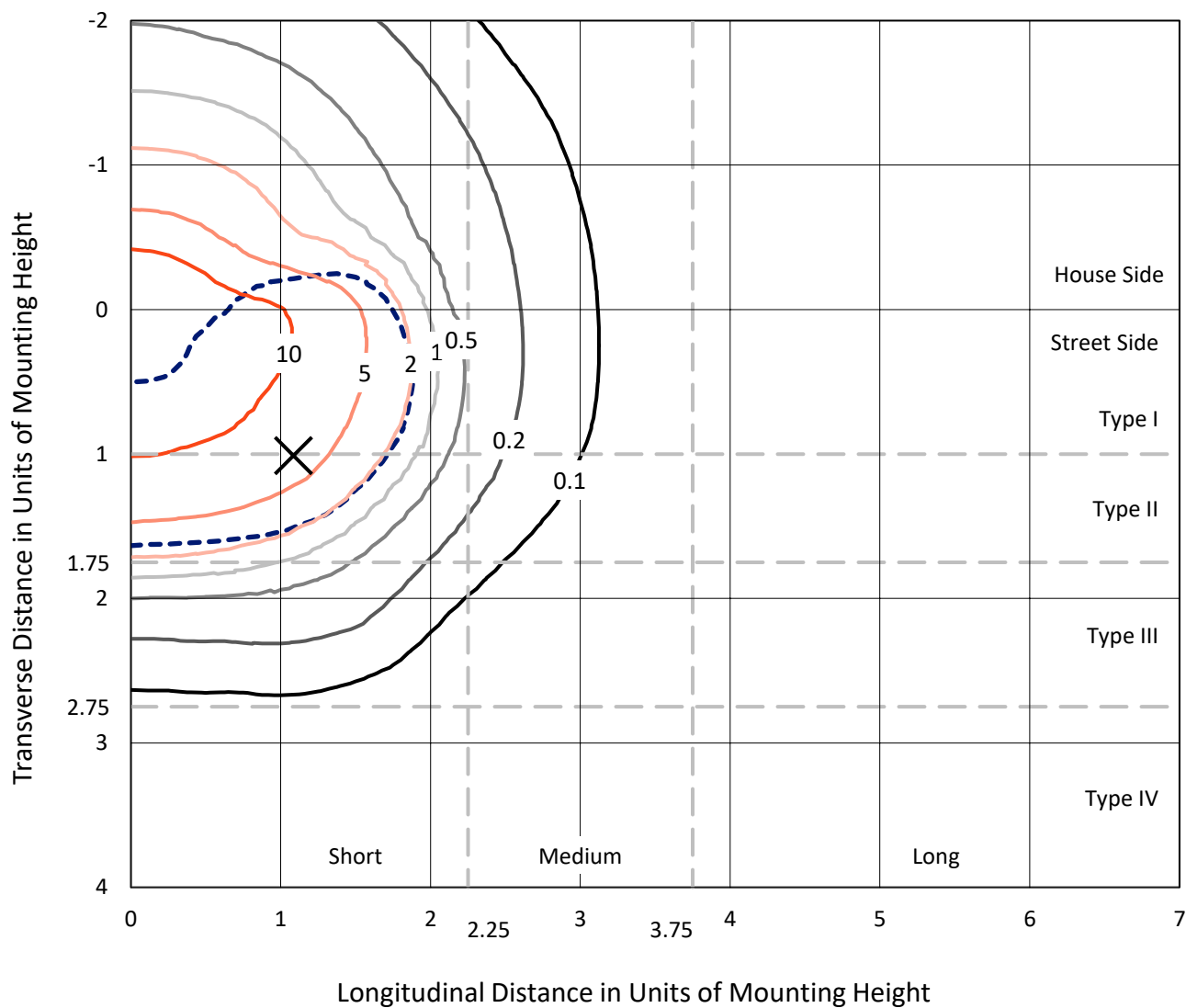
REPORT NUMBER: P533106

CATALOG NUMBER: GLAN-SA8C-730-U-T3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

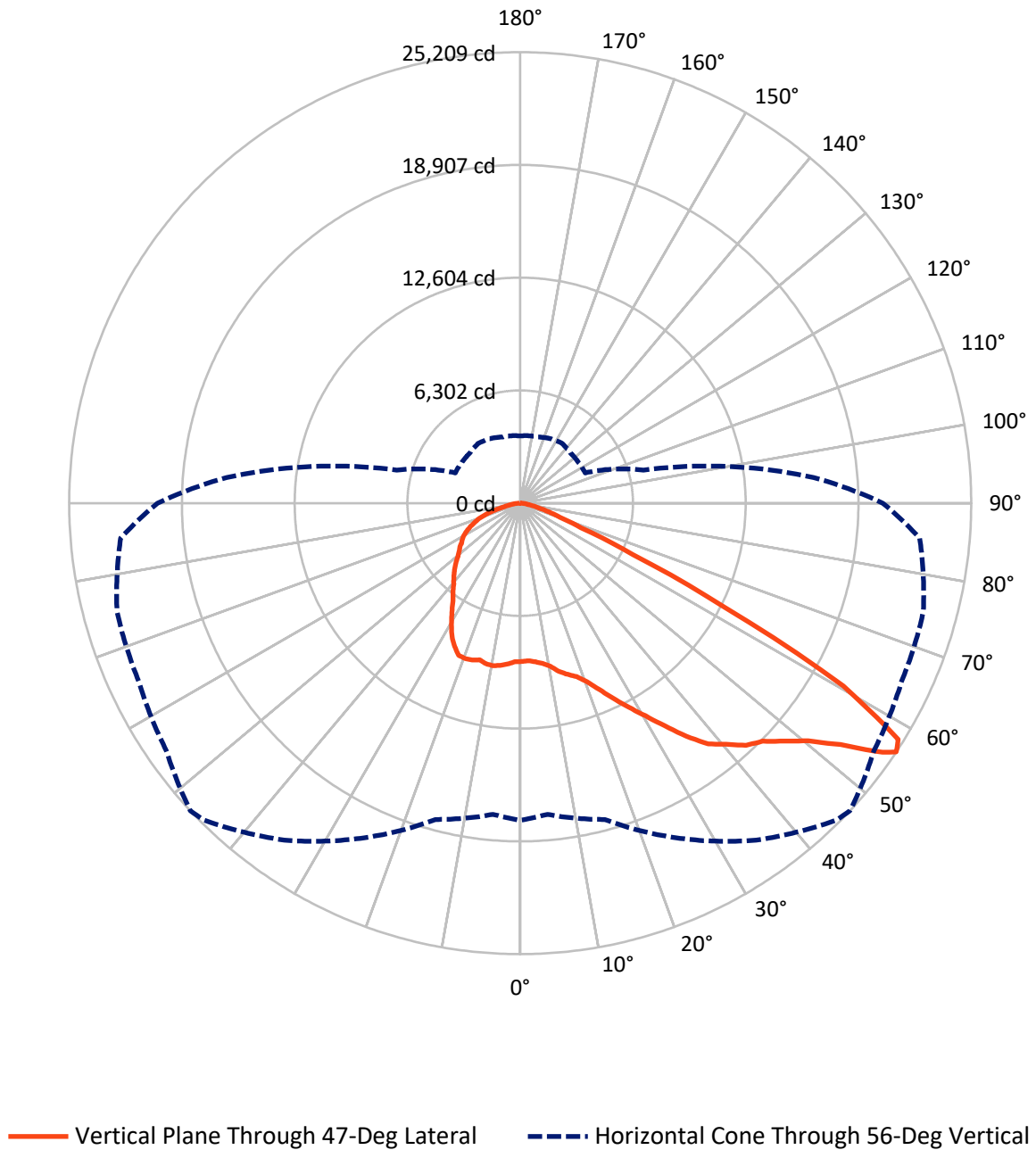
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.8 fc
 Type II - Short - N/A

REPORT NUMBER: P533106
CATALOG NUMBER: GLAN-SA8C-730-U-T3-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P533106

CATALOG NUMBER: GLAN-SA8C-730-U-T3-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13968.7	0.0	13968.7
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	30112.3	0.0	30112.3
	% Fixture	68.3	0.0	68.3
Total	Lumens	44081.0	0.0	44081.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	862.8	2.0
10°-20°	2721.6	6.2
20°-30°	4811.1	10.9
30°-40°	7226.0	16.4
40°-50°	9917.1	22.5
50°-60°	11814.8	26.8
60°-70°	5056.0	11.5
70°-80°	1430.8	3.2
80°-90°	240.8	0.5
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°	44081.0	100.0
0°-180°	44081.0	100.0

Coefficient of Utilization



REPORT NUMBER: P533106

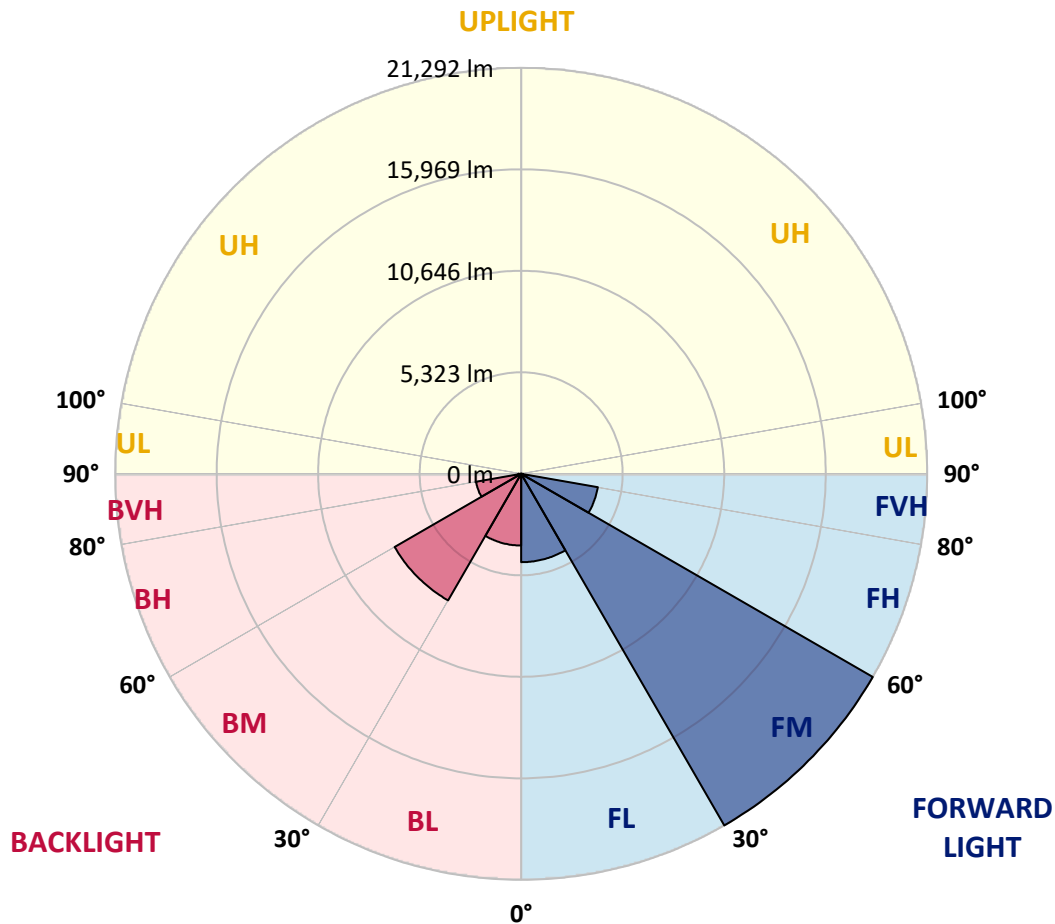
CATALOG NUMBER: GLAN-SA8C-730-U-T3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4634.4	10.5			
FM	(30°-60°)	21292.1	48.3			
FH	(60°-80°)	4083.5	9.3			G2/5000
FVH	(80°-90°)	102.2	0.2			G2/225
BL	(0°-30°)	3761.0	8.5	B4/5000		
BM	(30°-60°)	7665.8	17.4	B4/8500		
BH	(60°-80°)	2403.4	5.5	B3/2500		G3/2500
BVH	(80°-90°)	138.6	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short



REPORT NUMBER: P533106

CATALOG NUMBER: GLAN-SA8C-730-U-T3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	8854.5	8854.5	8854.5	8854.5	8854.5	8854.5	8854.5	8854.5	8854.5	8854.5	8854.5
2.5°	8820.8	8803.9	8792.7	8882.6	8848.9	8854.5	8820.8	8854.5	8877.0	8826.4	8899.5
5°	8803.9	8854.5	8809.6	8837.7	8910.8	8888.3	8910.8	8978.2	8961.4	8944.5	8922.0
7.5°	8961.4	8967.0	9000.7	9011.9	9034.4	9011.9	9045.7	9107.5	9090.7	8995.1	9006.3
10°	9186.2	9197.5	9203.1	9264.9	9304.3	9309.9	9270.6	9214.3	9208.7	9338.0	9248.1
12.5°	9444.8	9416.7	9484.2	9506.7	9551.7	9602.2	9652.8	9534.8	9607.9	9613.5	9506.7
15°	9821.5	9849.6	9770.9	9770.9	9787.8	9793.4	9933.9	9877.7	9866.5	9804.6	9849.6
17.5°	10383.7	10192.6	10186.9	10108.2	10097.0	10142.0	10192.6	10237.5	10389.3	10265.6	10023.9
20°	10794.1	10839.1	10676.0	10580.5	10597.3	10698.5	10647.9	10850.3	10957.1	10754.7	10518.6
22.5°	11519.3	11367.5	11406.9	11193.3	11210.1	11316.9	11311.3	11519.3	11581.2	11260.7	10917.8
25°	12008.4	11969.1	12002.8	11834.2	11856.6	11941.0	12075.9	12418.8	12317.6	11963.5	11170.8
27.5°	12722.4	12643.7	12615.6	12553.8	12531.3	12756.2	12913.6	13279.0	13205.9	12688.7	11620.5
30°	13453.3	13402.7	13430.8	13177.8	13267.7	13745.6	13790.6	14290.9	14257.2	13346.5	12120.9
32.5°	13959.2	13987.4	14037.9	13897.4	14296.6	14678.8	14830.6	15398.5	15426.6	14476.5	13087.8
35°	14774.4	14678.8	14707.0	14870.0	15055.5	15752.6	16000.0	16376.7	16612.8	15662.7	14015.5
37.5°	15286.0	15387.2	15269.2	15527.8	16011.2	16848.9	17073.8	17461.7	17709.1	16832.0	15280.4
40°	16084.3	15921.3	16005.6	16191.1	16685.9	17776.5	17714.7	18113.8	18192.6	17827.1	16461.0
42.5°	16944.5	16865.8	16747.7	17169.4	17585.4	18378.1	18501.8	18316.2	18715.4	18799.7	18147.6
45°	17973.3	18068.9	18085.7	18097.0	18462.4	19153.9	18985.2	18822.2	19283.2	19896.0	19193.3
47.5°	18929.0	18625.4	18844.7	19148.3	19665.5	19671.1	19867.9	19480.0	19969.1	20514.4	20137.7
50°	19249.5	19103.3	19395.6	19969.1	20767.4	20851.7	20874.2	20323.3	20576.2	21009.1	20463.8
52.5°	19125.8	19075.2	19822.9	20711.2	21880.5	22307.8	22420.2	21740.0	21880.5	21683.8	21183.4
55°	18535.5	18687.3	19440.6	21250.9	23044.3	24365.4	24579.1	23718.9	22825.0	22976.8	22425.9
56°	17725.9	17461.7	18305.0	20638.1	22993.7	25034.4	25208.7	24134.9	23527.8	23331.0	22414.6
57.5°	15038.7	14695.7	15803.2	18569.2	21717.5	24781.5	24910.8	24309.2	23409.7	23010.5	20778.6
60°	8803.9	8972.6	10378.1	12806.7	16753.3	20317.6	20750.5	21189.0	20587.5	18799.7	15465.9
62.5°	4250.2	4143.4	5149.7	7342.2	10209.4	12969.8	12840.5	14071.7	14746.3	13357.7	9765.3
65°	2226.3	2215.0	2811.0	4008.4	5610.7	6813.8	6931.8	7595.2	8522.8	6881.2	4958.5
67.5°	1636.0	1681.0	1978.9	2816.6	3609.3	3682.4	3665.5	3997.2	4087.1	3457.5	3047.1
70°	1281.8	1304.3	1523.5	2142.0	2687.3	2406.2	2355.6	2394.9	2659.2	2771.6	2636.7
72.5°	927.6	950.1	1135.6	1444.8	1681.0	1641.6	1675.3	1894.6	2220.7	2338.7	2198.2
75°	618.4	635.3	736.5	882.6	995.1	1073.8	1135.6	1388.6	1692.2	1759.7	1692.2
77.5°	427.3	444.1	511.6	624.0	635.3	685.9	708.4	826.4	1011.9	1096.3	1051.3
80°	241.7	241.7	275.5	320.4	393.5	461.0	472.2	567.8	652.1	708.4	719.6
82.5°	112.4	118.1	146.2	196.8	258.6	320.4	331.7	393.5	455.4	511.6	528.5
85°	56.2	61.8	84.3	118.1	157.4	191.1	185.5	191.1	202.4	191.1	196.8
87.5°	16.9	16.9	22.5	28.1	22.5	28.1	28.1	33.7	39.4	45.0	50.6
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: P533106

CATALOG NUMBER: GLAN-SA8C-730-U-T3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8854.5	8854.5	8854.5	8854.5	8854.5	8854.5	8854.5	8854.5	8854.5	8854.5	8854.5
2.5°	8905.1	8922.0	8809.6	8916.4	8877.0	8871.4	8950.1	8938.9	8967.0	8955.7	8888.3
5°	8910.8	8871.4	8989.5	8882.6	8933.2	9040.1	8967.0	9135.6	9051.3	9107.5	8983.8
7.5°	9085.0	9096.3	9073.8	9118.8	9096.3	9146.9	9107.5	9146.9	9079.4	9085.0	9197.5
10°	9236.8	9203.1	9242.4	9186.2	9225.6	9208.7	9118.8	9090.7	9113.1	9085.0	9158.1
12.5°	9517.9	9456.1	9428.0	9360.5	9315.5	9146.9	9006.3	8927.6	9034.4	9051.3	9017.6
15°	9804.6	9810.3	9681.0	9529.2	9248.1	8995.1	9028.8	9056.9	9056.9	9101.9	9017.6
17.5°	9984.5	9984.5	9866.5	9562.9	9276.2	9130.0	9096.3	9006.3	8927.6	8916.4	8910.8
20°	10299.4	10203.8	9933.9	9557.3	9264.9	9197.5	8944.5	8730.9	8567.8	8511.6	8506.0
22.5°	10659.2	10417.4	10040.8	9568.5	9248.1	9152.5	8680.3	8359.8	8067.5	7943.8	7960.6
25°	10990.9	10603.0	10102.6	9517.9	9186.2	8725.2	8196.8	7752.6	7449.1	7347.9	7297.3
27.5°	11221.4	10799.7	10102.6	9562.9	8955.7	8247.4	7707.7	7139.8	6875.6	6808.2	6819.4
30°	11530.6	11047.1	10276.9	9467.3	8494.7	7629.0	6982.4	6611.4	6454.0	6397.8	6437.1
32.5°	12255.8	11693.6	10518.6	9236.8	7949.4	7010.5	6487.7	6279.7	6049.2	5936.8	5897.4
35°	13042.9	12306.4	10754.7	8848.9	7336.6	6448.3	6122.3	5931.1	5655.7	5532.0	5554.5
37.5°	14156.0	13093.5	10771.6	8208.0	6673.2	6133.5	5835.6	5537.6	5312.7	5121.6	5065.4
40°	15657.1	14167.3	10732.3	7533.4	6139.1	5762.5	5543.2	5172.2	4919.2	4784.3	4812.4
42.5°	16978.2	15426.6	10569.2	6768.8	5655.7	5509.5	5262.1	4896.7	4649.3	4508.8	4497.5
45°	18091.4	16354.2	10260.0	6116.7	5250.9	5228.4	4941.7	4660.6	4463.8	4334.5	4390.7
47.5°	19120.2	17101.9	9793.4	5464.5	4879.8	4924.8	4649.3	4475.1	4351.4	4233.3	4227.7
50°	19491.2	17090.7	9383.0	4924.8	4581.9	4559.4	4548.1	4362.6	4233.3	4132.1	4177.1
52.5°	20109.6	17281.8	8938.9	4553.8	4312.0	4317.6	4357.0	4222.1	4075.9	4014.1	4070.3
55°	20997.9	17309.9	7960.6	4120.9	4087.1	4126.5	4126.5	4036.5	3912.9	3862.3	3834.2
56°	20272.7	16472.2	7139.8	4008.4	3974.7	3974.7	4081.5	3980.3	3828.5	3789.2	3755.4
57.5°	18698.5	14431.5	5976.1	3873.5	3822.9	3901.6	3957.8	3851.0	3710.5	3654.3	3688.0
60°	12896.7	9765.3	4491.9	3581.2	3581.2	3710.5	3755.4	3598.0	3536.2	3530.6	3485.6
62.5°	7527.8	5689.4	3513.7	3316.9	3328.2	3435.0	3468.7	3378.8	3300.1	3395.6	3440.6
65°	3991.6	3395.6	3013.4	3035.8	3041.5	3125.8	3272.0	3266.3	3260.7	3288.8	3294.4
67.5°	2889.7	2822.2	2737.9	2715.4	2726.6	2788.5	2934.6	3047.1	3041.5	2974.0	2923.4
70°	2574.8	2479.3	2428.7	2434.3	2389.3	2462.4	2580.5	2653.5	2524.2	2445.5	2411.8
72.5°	2142.0	2113.8	2080.1	2085.7	1995.8	1978.9	1844.0	1844.0	1810.3	1787.8	1827.1
75°	1636.0	1624.7	1641.6	1613.5	1517.9	1416.7	1338.0	1264.9	1152.5	1107.5	1085.0
77.5°	1034.4	1068.2	1107.5	1045.7	1006.3	933.2	854.5	781.4	691.5	640.9	640.9
80°	702.7	730.9	759.0	747.7	702.7	635.3	573.4	494.7	432.9	393.5	387.9
82.5°	534.1	556.6	595.9	550.9	506.0	449.8	399.2	342.9	286.7	241.7	241.7
85°	191.1	219.3	241.7	264.2	281.1	286.7	247.4	202.4	163.0	129.3	123.7
87.5°	50.6	56.2	61.8	56.2	56.2	56.2	61.8	56.2	50.6	39.4	39.4
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)