

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: P531685

Luminaire Tested: **GLAN-SA7A-730-U-AFL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-27)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7A-730-U-AFL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21640 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 215
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



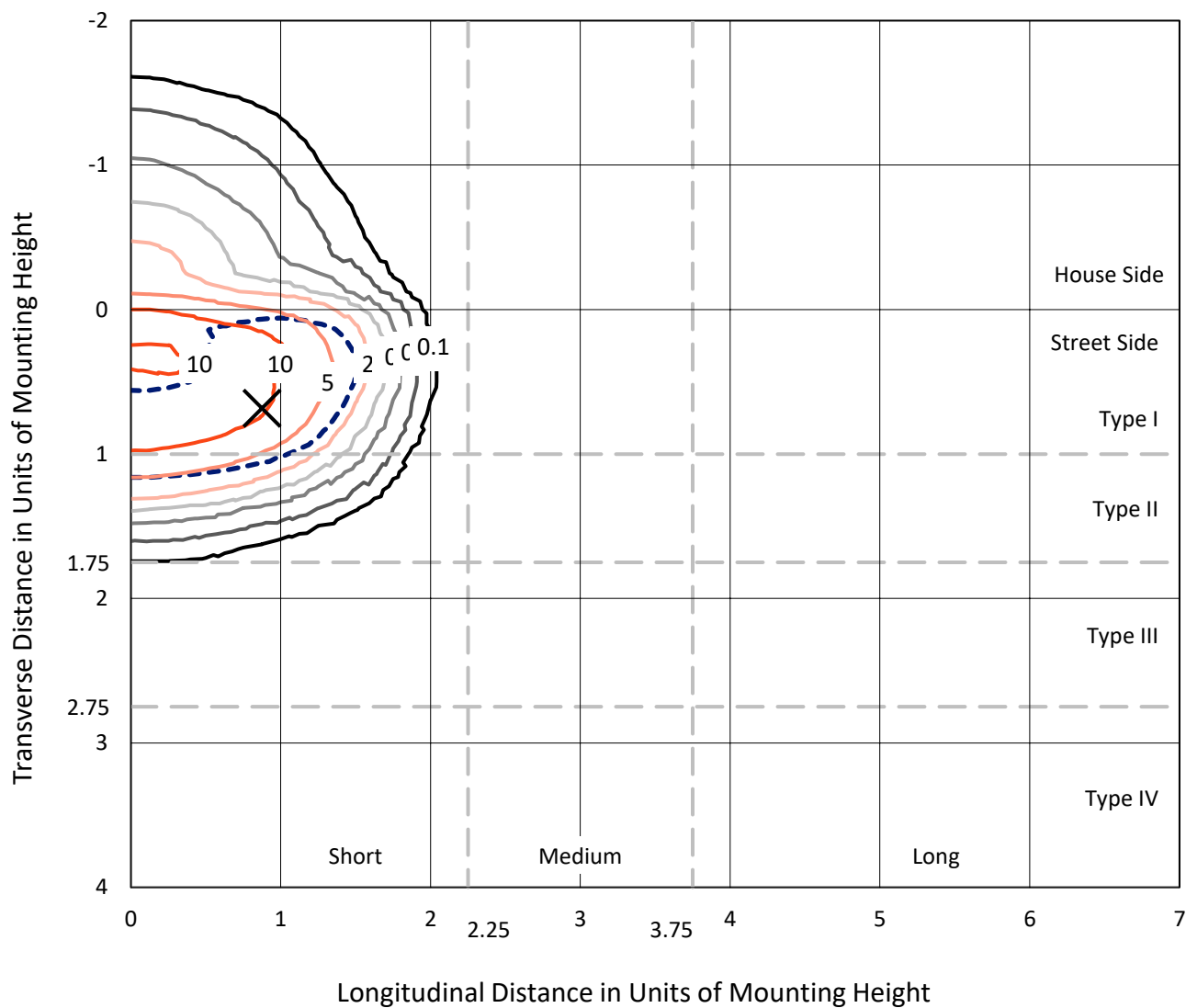
REPORT NUMBER: P531685

CATALOG NUMBER: GLAN-SA7A-730-U-AFL-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



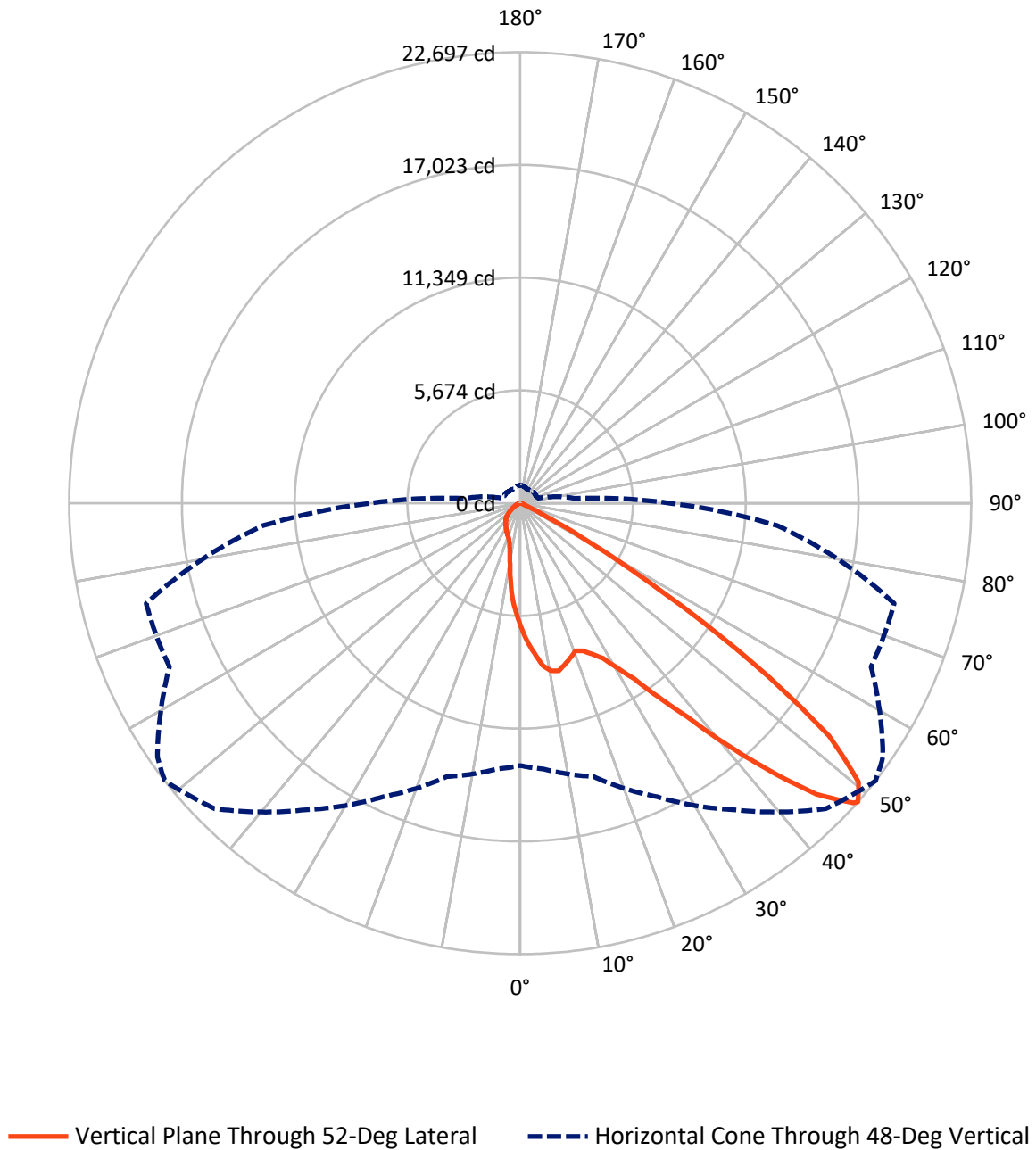
Based on 25 foot mounting height. Maximum calculated value = 14 fc

Type II - Short - N/A

REPORT NUMBER: P531685

CATALOG NUMBER: GLAN-SA7A-730-U-AFL-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P531685

CATALOG NUMBER: GLAN-SA7A-730-U-AFL-GRSBK

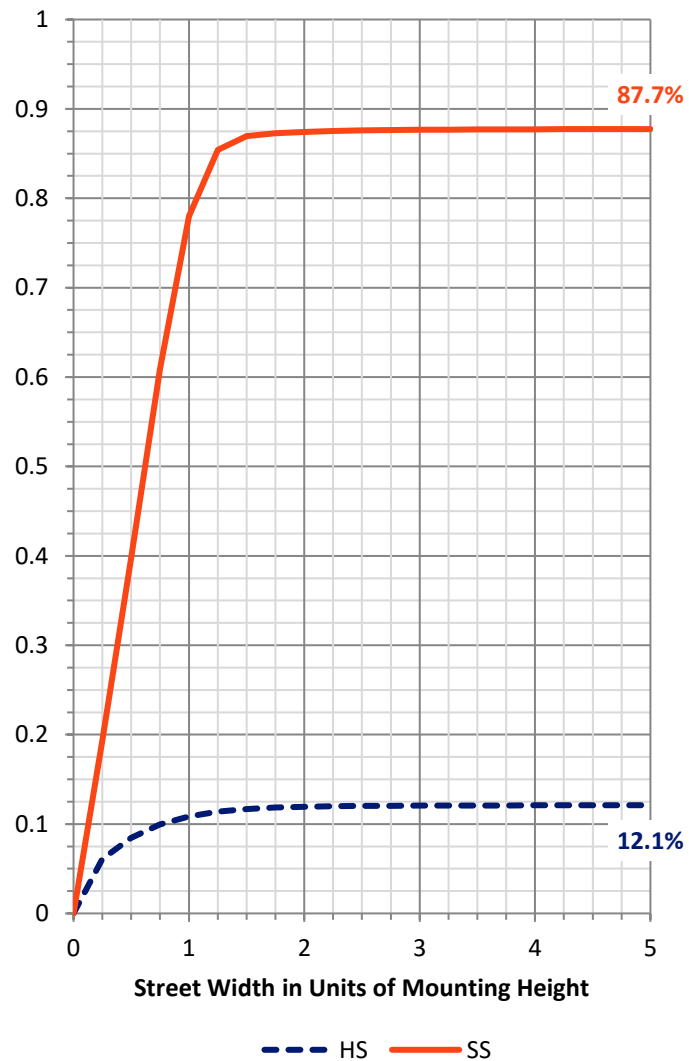
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2634.8	0.0	2634.8
	% Fixture	12.2	0.0	12.2
Street Side	Lumens	19005.2	0.0	19005.2
	% Fixture	87.8	0.0	87.8
Total	Lumens	21640.0	0.0	21640.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.0	2.6
10°-20°	1494.8	6.9
20°-30°	2552.2	11.8
30°-40°	4700.0	21.7
40°-50°	7299.0	33.7
50°-60°	4392.8	20.3
60°-70°	508.1	2.3
70°-80°	98.3	0.5
80°-90°	22.8	0.1
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°	21640.0	100.0
0°-180°	21640.0	100.0

Coefficient of Utilization



REPORT NUMBER: P531685

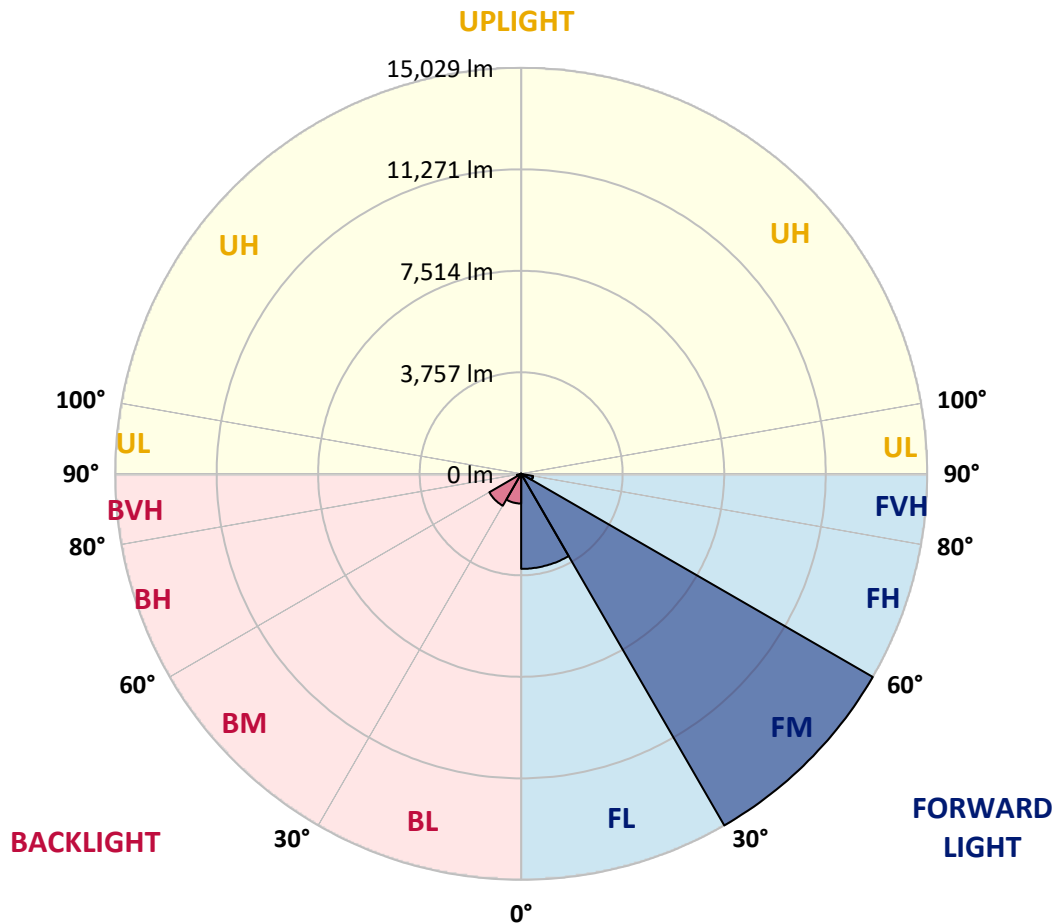
CATALOG NUMBER: GLAN-SA7A-730-U-AFL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3518.4	16.3			
FM	(30°-60°)	15028.6	69.4			
FH	(60°-80°)	447.4	2.1			G0/660
FVH	(80°-90°)	10.8	0.1			G1/100
BL	(0°-30°)	1100.7	5.1	B3/2500		
BM	(30°-60°)	1363.2	6.3	B2/2500		
BH	(60°-80°)	159.0	0.7	B1/500		G1/500
BVH	(80°-90°)	11.9	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type II Short



REPORT NUMBER: P531685

CATALOG NUMBER: GLAN-SA7A-730-U-AFL-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	52°	55°	65°	75°	85°
0°	6249.3	6249.3	6249.3	6249.3	6249.3	6249.3	6249.3	6249.3	6249.3	6249.3	6249.3
2.5°	7574.2	7400.7	7416.5	7302.9	7236.7	7129.4	6984.3	6955.9	6798.2	6583.7	6366.0
5°	8255.6	8214.6	8268.2	8104.2	8110.5	7933.8	7593.1	7599.4	7236.7	6886.5	6549.0
7.5°	8299.8	8205.1	8258.8	8403.9	8489.0	8457.5	8265.1	8097.9	7754.0	7239.8	6747.7
10°	7432.2	7612.1	7668.8	7908.6	8249.3	8608.9	8586.8	8596.3	8309.2	7637.3	6918.0
12.5°	6911.7	6791.9	6984.3	7129.4	7643.6	8340.8	8659.4	8728.8	8750.9	8022.2	7088.4
15°	6675.1	6675.1	6706.7	6747.7	7119.9	7763.5	8413.3	8615.2	9091.6	8526.9	7356.5
17.5°	6823.4	6817.1	6861.3	6776.1	6914.9	7410.2	8186.2	8416.5	9473.3	9022.2	7567.9
20°	7274.5	7296.6	7268.2	7022.2	7031.6	7403.9	7933.8	8296.6	9732.0	9451.2	7848.7
22.5°	7902.3	7914.9	7754.0	7485.9	7407.0	7590.0	8078.9	8356.5	9940.2	9965.4	7933.8
25°	8627.8	8577.4	8545.8	8167.3	7927.5	8085.3	8407.0	8567.9	10069.5	10407.0	8176.7
27.5°	9634.2	9533.2	9340.8	9003.2	8826.6	8602.6	8832.9	9097.9	10438.6	11025.3	8441.7
30°	11120.0	11031.7	10656.3	10220.9	9757.2	9536.4	9608.9	9754.0	11104.2	11741.4	8791.9
32.5°	13356.6	13170.5	12627.9	11798.2	11167.3	10558.5	10539.5	10694.1	11700.4	12732.0	9208.3
35°	15820.3	15763.6	14965.4	14110.5	12889.7	11949.6	11965.4	12047.4	12842.4	14031.7	9754.0
37.5°	17457.6	17769.9	17262.0	16344.0	15318.8	13974.9	13634.2	13662.6	14410.2	15571.1	10738.3
40°	18722.6	18457.6	18517.5	18303.0	17602.7	16687.9	15933.9	15785.6	16224.1	17274.6	11716.2
42.5°	18170.5	18183.1	18552.2	19060.1	19233.6	19167.4	18397.7	18116.9	17776.2	18669.0	12646.8
45°	16612.2	16937.1	17416.6	18760.4	19940.3	21047.5	20896.1	20429.2	18848.8	19773.1	13183.1
47.5°	14126.3	14113.7	14899.2	16646.9	19268.3	21861.4	22549.1	22221.0	19609.0	19650.0	13072.7
48°	13208.3	13435.5	14246.2	16303.0	18842.5	21741.5	22697.4	22284.1	19479.7	19486.0	12978.0
50°	9763.5	9722.5	10732.0	13255.7	16829.8	20429.2	22072.8	22394.5	19476.5	18656.3	12315.6
52.5°	5157.8	5334.4	6069.5	8334.5	11899.2	16719.4	19470.2	19971.8	18788.8	17299.9	11362.9
55°	2192.5	1981.1	2545.8	3763.4	6694.1	11170.5	14284.1	15400.8	15886.6	15309.3	9940.2
57.5°	782.3	854.9	984.2	1416.4	2813.9	6113.6	8517.4	9384.9	11006.4	11233.5	6772.9
60°	501.6	511.0	552.1	649.8	1056.8	2356.5	4041.0	4731.9	5466.9	5643.6	3160.9
62.5°	388.0	391.2	410.1	425.9	501.6	914.8	1517.4	1798.1	1867.5	1605.7	829.7
65°	324.9	328.1	334.4	334.4	356.5	429.0	530.0	583.6	567.8	561.5	470.0
67.5°	249.2	255.5	268.1	268.1	280.8	261.8	293.4	312.3	353.3	429.0	400.6
70°	195.6	198.7	208.2	214.5	214.5	189.3	211.4	230.3	258.7	318.6	315.5
72.5°	151.4	157.7	164.0	164.0	154.6	129.3	151.4	167.2	186.1	220.8	214.5
75°	116.7	116.7	119.9	97.8	75.7	66.2	91.5	110.4	138.8	145.1	119.9
77.5°	31.5	34.7	31.5	28.4	31.5	47.3	59.9	69.4	88.3	88.3	78.9
80°	0.0	3.2	9.5	18.9	31.5	44.2	53.6	59.9	69.4	75.7	72.6
82.5°	0.0	3.2	9.5	18.9	28.4	34.7	47.3	50.5	56.8	66.2	66.2
85°	0.0	3.2	6.3	12.6	18.9	22.1	22.1	18.9	18.9	15.8	12.6
87.5°	0.0	0.0	3.2	6.3	6.3	9.5	9.5	9.5	9.5	9.5	9.5
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: P531685

CATALOG NUMBER: GLAN-SA7A-730-U-AFL-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6249.3	6249.3	6249.3	6249.3	6249.3	6249.3	6249.3	6249.3	6249.3	6249.3	6249.3
2.5°	6280.8	6183.0	6034.8	5801.3	5577.3	5432.2	5293.4	5138.9	5053.7	5047.4	5000.0
5°	6356.5	6135.7	5782.4	5381.8	4952.7	4583.6	4211.4	3968.5	3750.8	3631.0	3608.9
7.5°	6397.5	6110.5	5539.5	4867.6	4135.7	3533.2	3116.7	2810.8	2690.9	2602.5	2599.4
10°	6482.7	6066.3	5176.7	4186.2	3280.8	2672.0	2384.9	2246.1	2179.8	2154.6	2116.7
12.5°	6545.8	5984.3	4804.5	3485.8	2593.1	2214.5	2088.3	2056.8	2060.0	2072.6	2056.8
15°	6634.1	5911.7	4302.9	2861.2	2176.7	1993.7	1993.7	2000.0	2044.2	2050.5	2047.3
17.5°	6627.8	5769.8	3785.5	2356.5	1924.3	1899.1	1908.5	1968.5	1996.9	2006.3	1984.2
20°	6703.5	5637.3	3252.4	2012.6	1782.4	1820.2	1883.3	1899.1	1933.8	1940.1	1914.8
22.5°	6681.5	5306.0	2757.1	1741.3	1675.1	1747.7	1810.7	1829.7	1820.2	1801.3	1798.1
25°	6640.4	5022.1	2302.9	1561.5	1596.2	1675.1	1735.0	1700.3	1681.4	1684.6	1687.7
27.5°	6567.9	4662.5	1927.5	1435.3	1489.0	1605.7	1602.5	1589.9	1608.8	1593.1	1608.8
30°	6555.3	4302.9	1618.3	1321.8	1410.1	1495.3	1501.6	1523.7	1545.8	1517.4	1545.8
32.5°	6574.2	3908.6	1397.5	1252.4	1362.8	1365.9	1435.3	1457.4	1441.7	1378.6	1384.9
35°	6719.3	3605.7	1236.6	1214.5	1287.1	1290.2	1356.5	1328.1	1258.7	1220.8	1242.9
37.5°	7025.3	3353.3	1160.9	1179.8	1186.1	1227.1	1230.3	1173.5	1179.8	1176.7	1189.3
40°	7416.5	3160.9	1107.3	1148.3	1142.0	1170.4	1056.8	1088.3	1116.7	1126.2	1132.5
42.5°	7684.6	3022.1	1072.6	1097.8	1085.2	1034.7	971.6	1003.2	1025.2	1059.9	1066.3
45°	7804.5	2911.7	1031.6	1009.5	1009.5	918.0	892.8	899.1	949.5	987.4	981.1
47.5°	7608.9	2804.4	959.0	892.8	914.8	839.1	810.7	810.7	864.4	911.7	902.2
48°	7533.2	2760.3	962.2	867.5	883.3	826.5	798.1	791.8	851.7	895.9	895.9
50°	7157.8	2596.2	880.1	798.1	766.6	760.3	741.3	747.6	785.5	826.5	826.5
52.5°	6425.9	2242.9	744.5	684.5	627.8	665.6	675.1	662.5	681.4	719.2	716.1
55°	5362.8	1722.4	596.2	567.8	523.7	564.7	583.6	567.8	548.9	577.3	577.3
57.5°	3435.4	927.5	476.3	482.7	438.5	479.5	495.3	457.4	422.7	444.8	441.6
60°	1548.9	555.2	391.2	381.7	353.3	400.6	425.9	381.7	334.4	350.2	365.9
62.5°	580.4	394.3	296.5	290.2	283.9	328.1	340.7	306.0	258.7	268.1	271.3
65°	425.9	347.0	236.6	214.5	227.1	258.7	252.4	217.7	186.1	186.1	192.4
67.5°	362.8	302.8	192.4	167.2	167.2	170.3	157.7	138.8	129.3	135.6	142.0
70°	283.9	239.7	151.4	129.3	116.7	104.1	91.5	88.3	78.9	88.3	85.2
72.5°	183.0	160.9	116.7	97.8	88.3	72.6	59.9	56.8	47.3	44.2	44.2
75°	97.8	97.8	91.5	78.9	69.4	56.8	47.3	37.9	25.2	18.9	18.9
77.5°	69.4	75.7	82.0	75.7	63.1	47.3	37.9	25.2	12.6	6.3	6.3
80°	66.2	75.7	82.0	72.6	63.1	47.3	34.7	18.9	9.5	3.2	3.2
82.5°	59.9	69.4	75.7	66.2	56.8	41.0	31.5	18.9	9.5	3.2	3.2
85°	12.6	15.8	18.9	18.9	22.1	28.4	22.1	15.8	6.3	3.2	3.2
87.5°	9.5	9.5	9.5	9.5	9.5	9.5	6.3	6.3	3.2	3.2	3.2
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)