

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: P323521

Luminaire Tested: **GAN-SA7B-740-U-SL3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323521  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA7B-740-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34532 lumens  
Efficiency: N/A  
Efficacy: 117.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

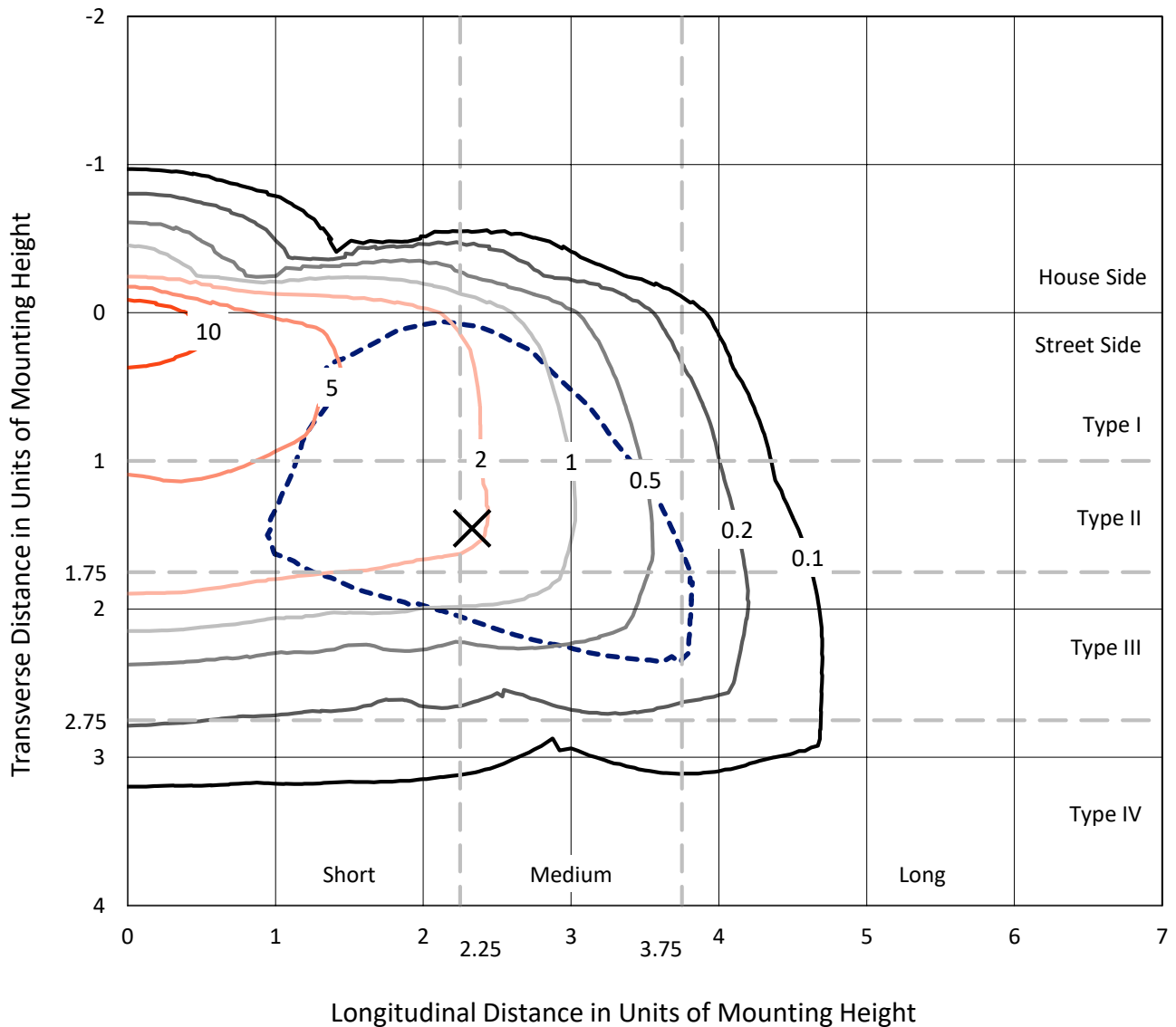
Input Watts (W): 295  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

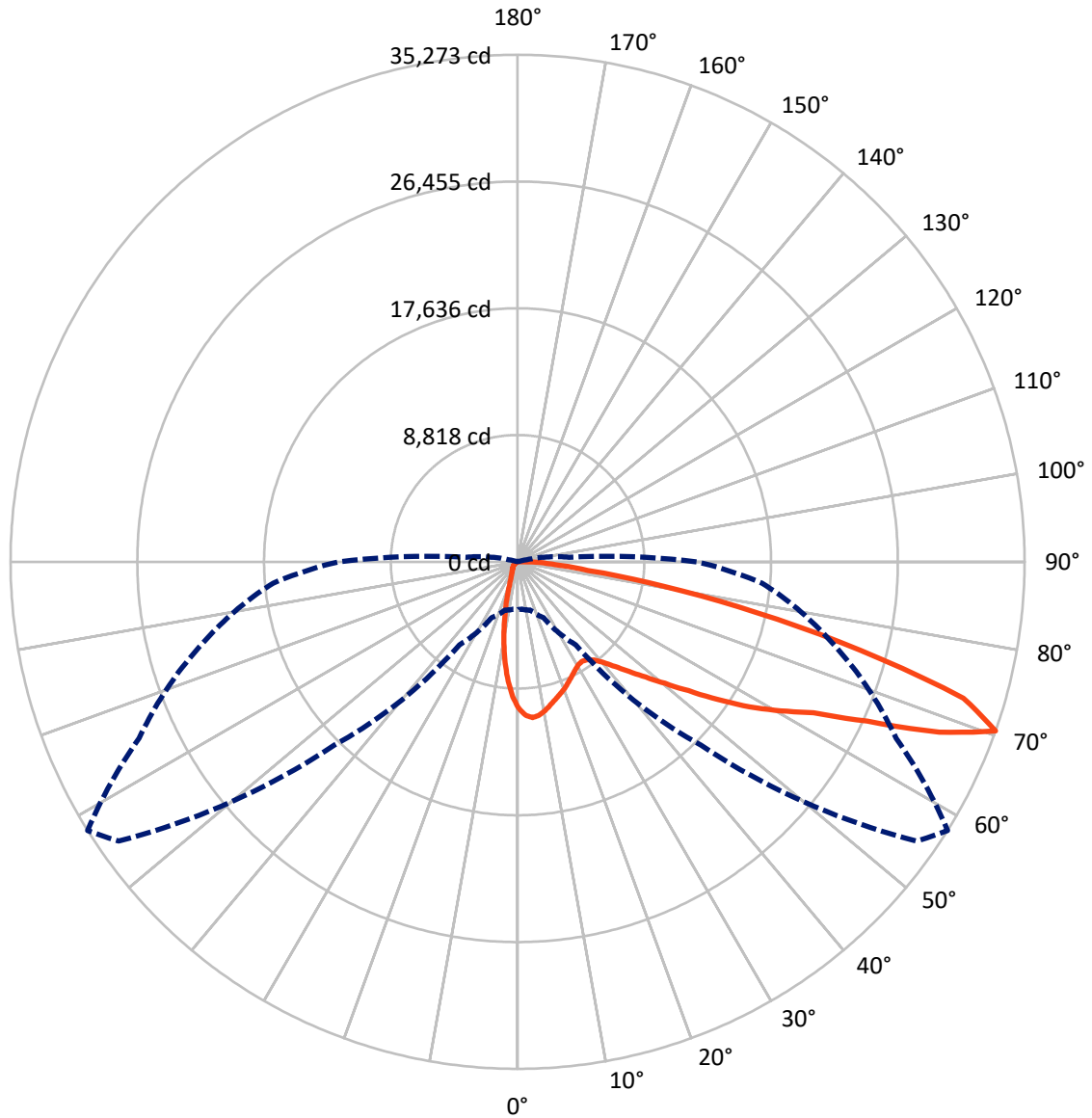
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.6 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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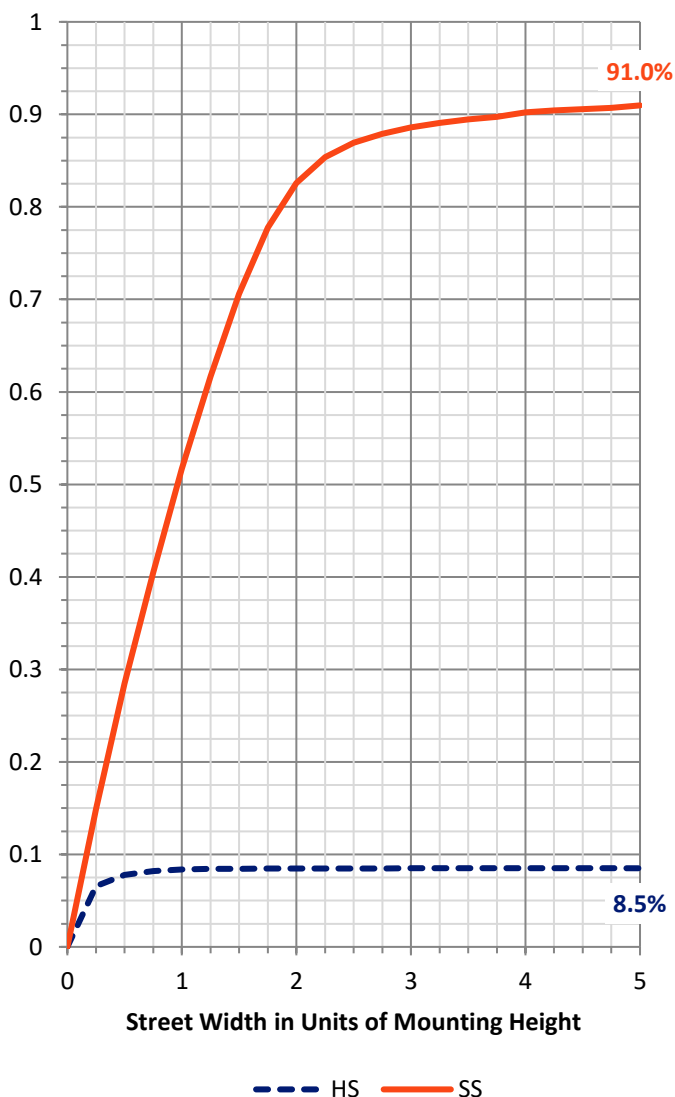
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2955.2	0.0	2955.2
	% Fixture	8.6	0.0	8.6
<b>Street Side</b>	Lumens	31576.8	0.0	31576.8
	% Fixture	91.4	0.0	91.4
<b>Total</b>	Lumens	34532.0	0.0	34532.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	834.1	2.4
10°-20°	1750.7	5.1
20°-30°	2301.5	6.7
30°-40°	3048.1	8.8
40°-50°	4556.0	13.2
50°-60°	7298.6	21.1
60°-70°	9199.8	26.6
70°-80°	4962.3	14.4
80°-90°	580.9	1.7
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°	34532.0	100.0
0°-180°	34532.0	100.0

**Coefficient of Utilization**

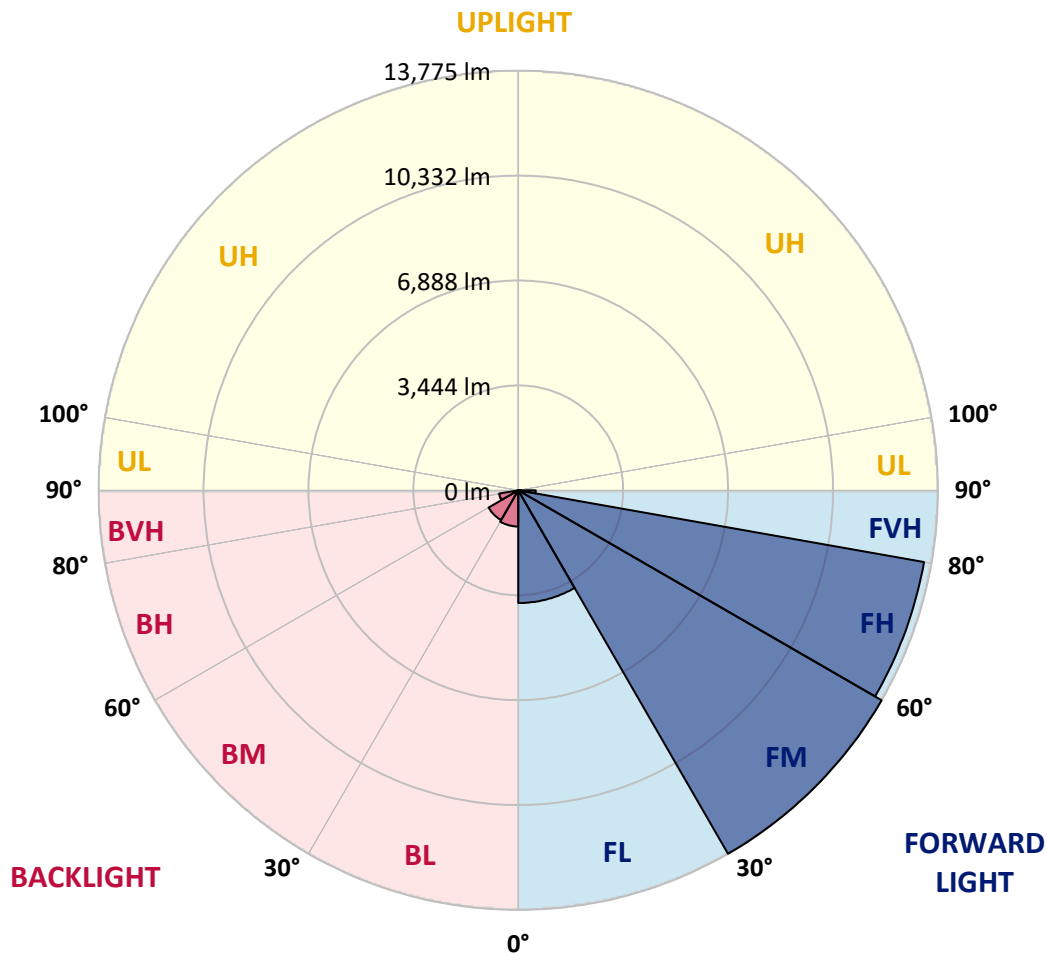


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3699.1	10.7			
FM (30°-60°)	13775.3	39.9			
FH (60°-80°)	13526.6	39.2			G5
FVH (80°-90°)	575.8	1.7			G4/750
BL (0°-30°)	1187.3	3.4	B3/2500		
BM (30°-60°)	1127.4	3.3	B2/2500		
BH (60°-80°)	635.5	1.8	B2/1000		G2/1000
BVH (80°-90°)	5.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	10200.6	10200.6	10200.6	10200.6	10200.6	10200.6	10200.6	10200.6	10200.6	10200.6	10200.6
2.5°	11046.3	11019.0	11009.0	10991.8	10925.7	10861.1	10733.3	10697.4	10617.0	10426.0	10223.6
5°	11054.9	11053.5	11083.7	11076.5	11053.5	11023.4	10931.5	10884.1	10747.7	10474.8	10104.4
7.5°	10522.2	10549.5	10617.0	10671.6	10734.7	10816.6	10828.1	10782.1	10670.1	10375.8	9884.7
10°	9807.2	9850.2	9945.0	10052.7	10217.8	10381.5	10528.0	10522.2	10483.5	10193.4	9620.5
12.5°	9090.6	9140.9	9250.0	9409.4	9643.5	9910.5	10171.9	10207.8	10272.4	10029.7	9376.4
15°	8463.2	8506.2	8613.9	8809.2	9099.3	9458.2	9841.6	9907.7	10074.2	9901.9	9172.5
17.5°	7930.4	7957.7	8036.7	8253.5	8589.5	9024.6	9522.8	9652.1	9900.5	9801.4	8995.9
20°	7558.5	7562.9	7614.5	7766.7	8102.7	8589.5	9192.6	9377.8	9716.7	9715.3	8813.5
22.5°	7374.8	7360.4	7370.4	7458.0	7705.0	8174.5	8862.3	9082.0	9551.6	9642.0	8628.3
25°	7340.3	7328.8	7300.1	7311.6	7460.9	7811.3	8529.2	8783.4	9406.5	9597.5	8467.5
27.5°	7448.0	7459.5	7410.6	7359.0	7370.4	7575.8	8233.4	8527.8	9288.8	9597.5	8354.0
30°	7664.8	7670.5	7634.6	7567.2	7476.7	7509.7	8028.1	8322.4	9229.9	9663.6	8282.2
32.5°	7904.6	7936.2	7931.9	7877.3	7748.1	7614.5	7979.3	8247.8	9225.6	9810.0	8275.1
35°	8201.8	8237.7	8298.0	8286.5	8151.6	7931.9	8145.8	8356.9	9310.3	10051.3	8352.6
37.5°	8517.7	8572.3	8701.5	8763.3	8675.7	8427.3	8519.2	8669.9	9537.2	10441.8	8549.3
40°	8823.6	8885.3	9120.8	9363.5	9297.4	9041.8	9084.9	9205.5	9940.7	11003.3	8922.6
42.5°	9123.7	9215.6	9561.6	9960.8	10039.8	9835.9	9858.8	9955.1	10539.5	11775.8	9532.9
45°	9482.6	9586.0	10098.6	10591.2	10802.2	10713.2	10810.8	10874.0	11322.0	12796.7	10355.7
47.5°	10009.6	10128.8	10757.7	11319.2	11689.6	11747.0	11943.8	11985.4	12311.4	13985.6	11428.3
50°	11037.7	11070.7	11639.4	12149.1	12683.2	13027.9	13251.9	13283.5	13508.9	15285.1	12768.0
52.5°	12331.5	12353.0	12674.6	13016.4	13623.8	14327.3	14851.4	14896.0	14943.3	16551.5	14090.4
55°	13616.6	13613.7	13826.2	14027.2	14722.2	15744.6	16881.8	16909.1	16568.8	17753.4	15101.3
57.5°	14419.2	14496.8	14819.9	15078.3	16049.0	17360.0	18938.0	19038.5	18276.1	18643.6	16100.7
60°	14163.7	14201.0	14917.5	15873.8	17701.7	19655.9	21018.6	21044.5	19559.7	19532.5	17364.3
62.5°	12067.3	12087.4	13213.1	15184.6	18538.8	22634.0	23528.6	23107.8	21035.8	20765.9	18876.3
65°	8270.7	8401.4	9341.9	11778.6	17001.0	24502.1	27414.1	26717.7	23285.9	22543.5	20243.2
67.5°	4870.6	4843.3	5308.5	7103.4	12486.5	23261.5	32329.1	31637.0	26354.4	23733.9	19842.6
70°	3327.0	3308.3	3486.4	4300.5	7048.8	18044.9	33875.6	35272.7	29063.9	22932.7	17077.1
72.5°	2375.0	2385.0	2647.8	3341.3	4425.4	10513.6	29131.4	32438.3	28215.3	19991.9	12980.5
75°	1612.5	1639.8	2016.0	2741.1	3879.8	5348.7	20672.6	24658.6	22975.7	14529.8	7460.9
77.5°	867.3	897.4	1341.1	2208.4	3507.9	3716.1	13297.8	16970.8	14432.2	6531.9	2162.5
80°	361.8	379.1	627.5	1605.3	3031.2	3263.8	7824.2	10291.1	6149.9	1288.0	482.5
82.5°	156.5	165.1	261.3	957.7	2265.8	2755.5	4142.6	4951.0	1863.8	282.9	242.7
85°	30.2	31.6	107.7	506.9	1445.9	1555.1	2685.1	2632.0	837.1	122.1	176.6
87.5°	0.0	0.0	25.8	159.4	425.0	847.2	1638.4	1618.3	284.3	58.9	66.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10200.6	10200.6	10200.6	10200.6	10200.6	10200.6	10200.6	10200.6	10200.6	10200.6	10200.6
2.5°	10120.2	10021.1	9812.9	9555.9	9359.2	9142.3	8970.0	8751.8	8657.0	8661.3	8609.6
5°	9893.3	9689.4	9228.5	8647.0	8199.0	7736.6	7338.9	6942.5	6708.5	6632.4	6560.6
7.5°	9568.8	9245.7	8510.5	7614.5	6856.4	6115.5	5470.8	4903.6	4544.6	4369.4	4304.8
10°	9202.6	8748.9	7684.9	6504.6	5421.9	4419.7	3584.0	2857.4	2567.4	2370.7	2320.4
12.5°	8881.0	8266.4	6877.9	5365.9	4080.8	2871.8	2074.9	1622.6	1425.8	1348.3	1335.4
15°	8578.0	7815.6	6101.1	4335.0	2825.8	1767.6	1319.6	1165.9	1120.0	1107.1	1107.1
17.5°	8292.3	7386.2	5341.5	3319.8	1869.5	1239.2	1092.7	1058.3	1043.9	1042.5	1043.9
20°	7993.6	6956.9	4594.9	2432.4	1305.2	1049.6	1009.4	990.8	986.5	986.5	986.5
22.5°	7707.9	6527.6	3868.3	1737.4	1046.8	957.7	937.6	924.7	920.4	919.0	916.1
25°	7433.6	6119.8	3159.0	1227.7	919.0	877.3	860.1	842.9	829.9	822.8	818.5
27.5°	7208.2	5756.5	2498.5	985.0	829.9	794.0	772.5	746.7	715.1	700.7	695.0
30°	7028.7	5424.8	1925.5	831.4	746.7	710.8	677.7	633.2	587.3	562.9	561.4
32.5°	6888.0	5098.9	1461.7	735.2	672.0	627.5	580.1	524.1	471.0	443.7	442.3
35°	6819.1	4811.7	1117.1	664.8	605.9	549.9	491.1	429.3	377.6	351.8	348.9
37.5°	6865.0	4569.0	871.6	605.9	549.9	485.3	416.4	351.8	305.8	282.9	281.4
40°	7033.0	4413.9	707.9	555.7	502.6	423.6	348.9	288.6	249.8	231.2	229.7
42.5°	7390.5	4356.5	604.5	514.0	456.6	366.2	290.1	238.4	202.5	189.5	186.7
45°	7987.9	4441.2	534.2	473.8	409.2	311.6	239.8	195.3	163.7	153.6	152.2
47.5°	8783.4	4663.8	483.9	435.1	366.2	262.8	199.6	157.9	133.5	123.5	122.1
50°	9808.6	5017.0	442.3	396.3	325.9	222.6	165.1	124.9	103.4	96.2	96.2
52.5°	10924.3	5437.7	404.9	360.4	285.7	185.2	133.5	96.2	81.8	73.2	73.2
55°	11846.1	5805.3	364.7	333.1	236.9	153.6	101.9	73.2	60.3	56.0	56.0
57.5°	12766.5	6197.3	318.8	285.7	189.5	124.9	77.5	54.6	44.5	41.6	41.6
60°	13959.8	6676.9	274.3	232.6	149.3	94.8	57.4	38.8	33.0	31.6	31.6
62.5°	15272.2	6958.3	234.1	186.7	116.3	70.4	41.6	25.8	24.4	24.4	23.0
65°	16074.8	6560.6	196.7	149.3	90.5	53.1	27.3	18.7	21.5	20.1	17.2
67.5°	15051.0	5136.2	160.8	116.3	70.4	40.2	17.2	12.9	23.0	18.7	14.4
70°	12462.1	3595.5	124.9	81.8	56.0	34.5	11.5	8.6	24.4	18.7	11.5
72.5°	9326.1	2406.6	99.1	54.6	41.6	30.2	10.1	4.3	21.5	15.8	10.1
75°	5096.0	969.2	79.0	34.5	25.8	21.5	7.2	2.9	14.4	11.5	7.2
77.5°	1341.1	255.6	57.4	23.0	14.4	8.6	4.3	1.4	7.2	5.7	2.9
80°	341.7	99.1	37.3	15.8	10.1	4.3	0.0	0.0	1.4	0.0	0.0
82.5°	182.4	41.6	23.0	11.5	5.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	137.8	27.3	12.9	7.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	53.1	8.6	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)