

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: P323481

Luminaire Tested: **GAN-SA7B-730-U-SL3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323481  
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-730-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3000K, 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: 31449 lumens  
Efficiency: N/A  
Efficacy: 106.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

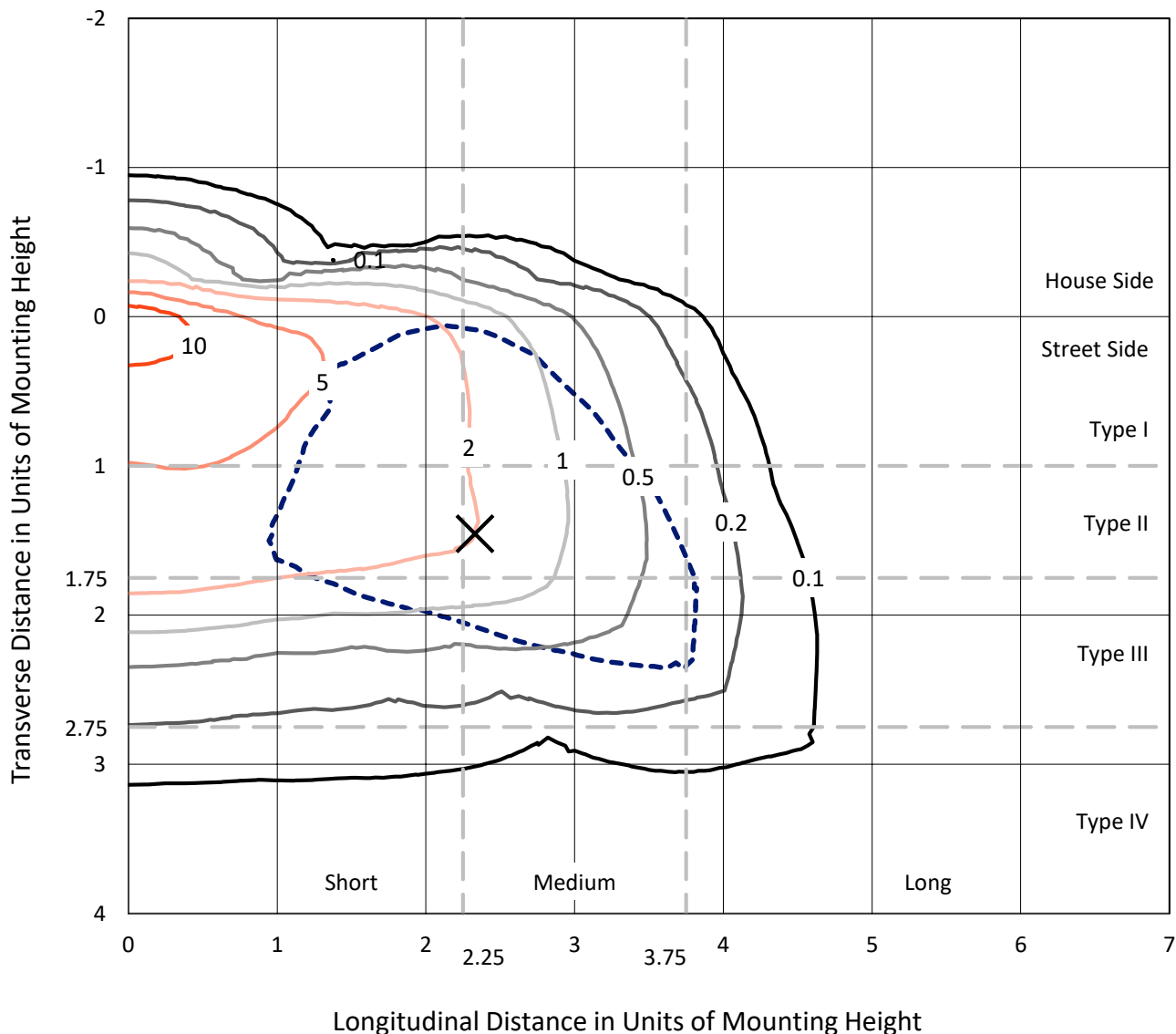
Input Watts (W): 295  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

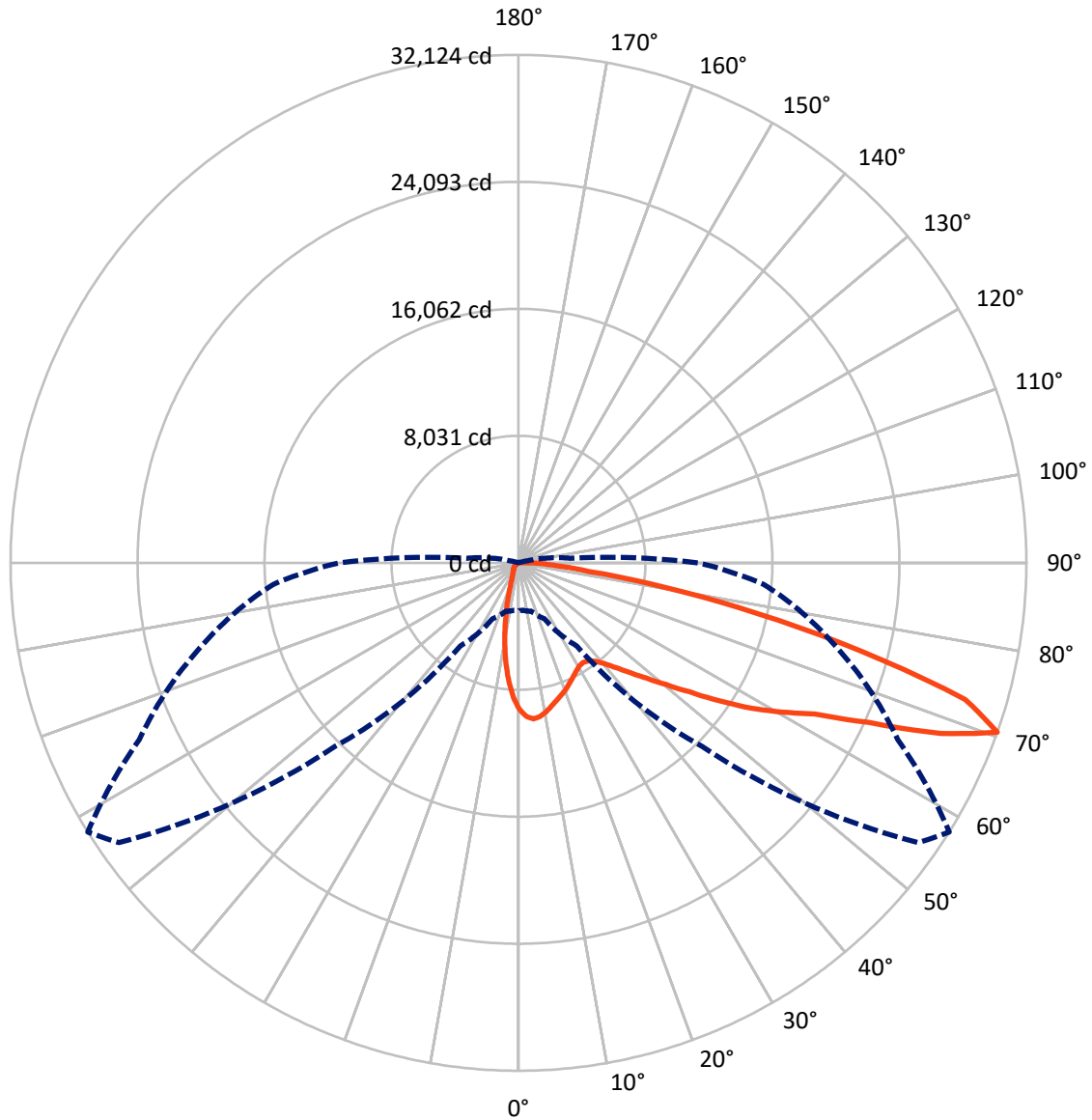
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 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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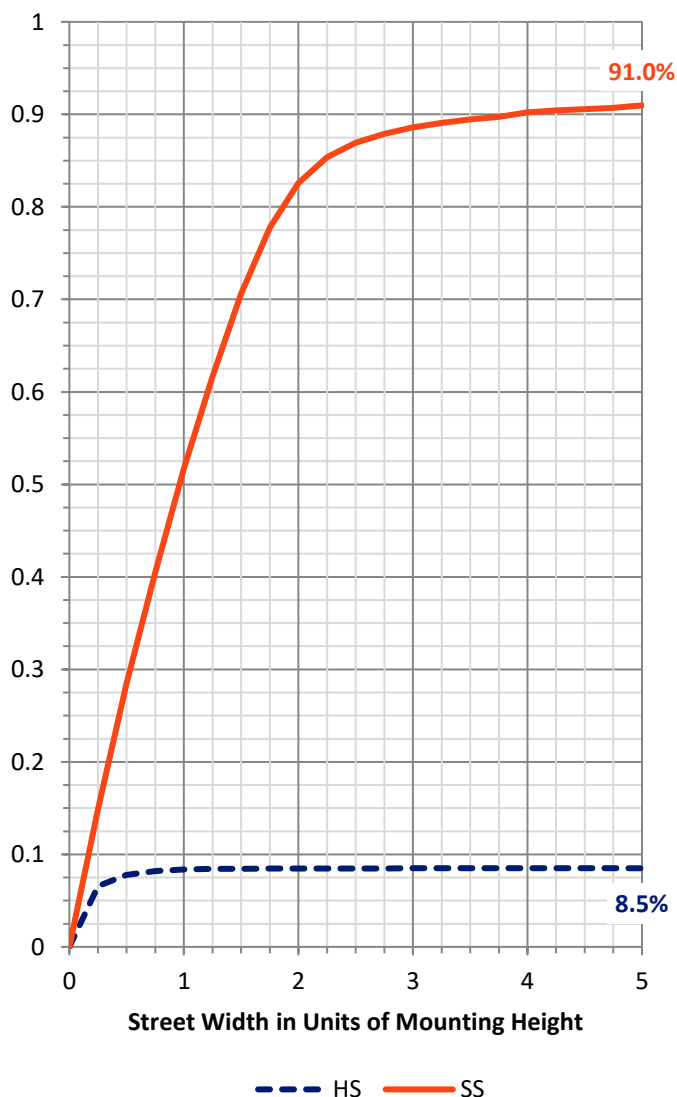
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2691.3	0.0	2691.3
	% Fixture	8.6	0.0	8.6
<b>Street Side</b>	Lumens	28757.7	0.0	28757.7
	% Fixture	91.4	0.0	91.4
<b>Total</b>	Lumens	31449.0	0.0	31449.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	759.7	2.4
10°-20°	1594.4	5.1
20°-30°	2096.1	6.7
30°-40°	2776.0	8.8
40°-50°	4149.3	13.2
50°-60°	6646.9	21.1
60°-70°	8378.4	26.6
70°-80°	4519.3	14.4
80°-90°	529.0	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°	31449.0	100.0
0°-180°	31449.0	100.0

**Coefficient of Utilization**

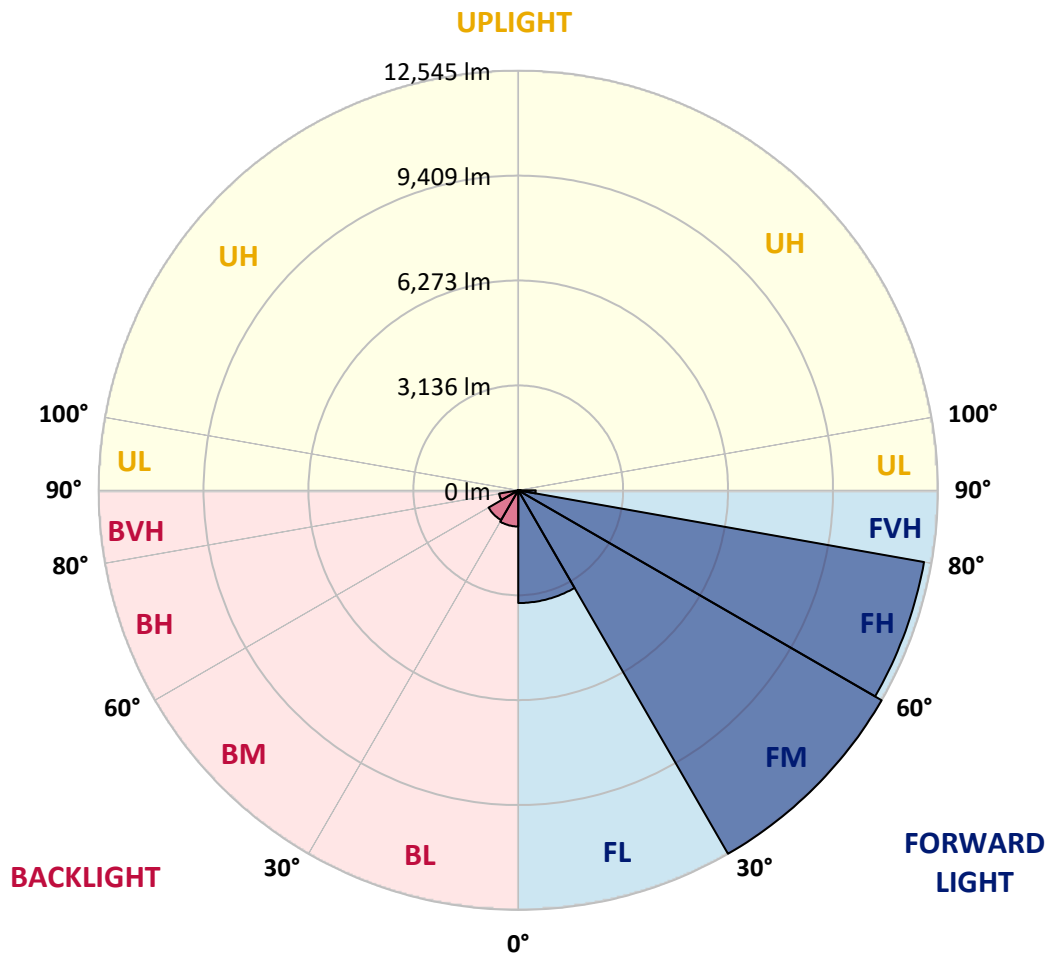


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3368.8	10.7			
FM (30°-60°)	12545.5	39.9			
FH (60°-80°)	12318.9	39.2			G5
FVH (80°-90°)	524.4	1.7			G4/750
BL (0°-30°)	1081.3	3.4	B3/2500		
BM (30°-60°)	1026.7	3.3	B2/2500		
BH (60°-80°)	578.8	1.8	B2/1000		G2/1000
BVH (80°-90°)	4.6	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°	9289.9	9289.9	9289.9	9289.9	9289.9	9289.9	9289.9	9289.9	9289.9	9289.9	9289.9
2.5°	10060.1	10035.3	10026.1	10010.4	9950.3	9891.4	9775.0	9742.3	9669.1	9495.2	9310.8
5°	10068.0	10066.7	10094.1	10087.6	10066.7	10039.2	9955.5	9912.3	9788.1	9539.7	9202.3
7.5°	9582.8	9607.7	9669.1	9718.8	9776.3	9850.9	9861.3	9819.5	9717.5	9449.4	9002.2
10°	8931.6	8970.8	9057.1	9155.2	9305.6	9454.7	9588.0	9582.8	9547.5	9283.3	8761.6
12.5°	8279.0	8324.8	8424.2	8569.3	8782.5	9025.7	9263.7	9296.4	9355.3	9134.3	8539.3
15°	7707.6	7746.8	7844.9	8022.7	8286.9	8613.8	8963.0	9023.1	9174.8	9017.9	8353.6
17.5°	7222.4	7247.3	7319.2	7516.6	7822.6	8218.9	8672.7	8790.3	9016.6	8926.3	8192.7
20°	6883.7	6887.6	6934.7	7073.3	7379.3	7822.6	8371.9	8540.6	8849.2	8847.9	8026.6
22.5°	6716.3	6703.3	6712.4	6792.2	7017.1	7444.7	8071.1	8271.2	8698.8	8781.2	7858.0
25°	6685.0	6674.5	6648.3	6658.8	6794.8	7113.9	7767.7	7999.2	8566.7	8740.7	7711.5
27.5°	6783.0	6793.5	6749.0	6702.0	6712.4	6899.4	7498.3	7766.4	8459.5	8740.7	7608.2
30°	6980.5	6985.7	6953.0	6891.6	6809.2	6839.3	7311.3	7579.4	8405.9	8800.8	7542.8
32.5°	7198.9	7227.6	7223.7	7174.0	7056.3	6934.7	7266.9	7511.4	8402.0	8934.2	7536.3
35°	7469.6	7502.3	7557.2	7546.7	7423.8	7223.7	7418.6	7610.8	8479.1	9153.9	7606.9
37.5°	7757.3	7807.0	7924.6	7980.9	7901.1	7674.9	7758.6	7895.9	8685.7	9509.6	7786.0
40°	8035.8	8092.0	8306.5	8527.5	8467.3	8234.6	8273.8	8383.7	9053.2	10020.9	8126.0
42.5°	8309.1	8392.8	8708.0	9071.5	9143.4	8957.7	8978.7	9066.3	9598.5	10724.4	8681.8
45°	8636.0	8730.2	9197.0	9645.6	9837.8	9756.7	9845.7	9903.2	10311.2	11654.2	9431.1
47.5°	9116.0	9224.5	9797.3	10308.6	10646.0	10698.3	10877.4	10915.4	11212.2	12737.0	10408.0
50°	10052.3	10082.4	10600.2	11064.4	11550.9	11864.7	12068.7	12097.5	12302.8	13920.4	11628.0
52.5°	11230.5	11250.1	11543.0	11854.3	12407.4	13048.2	13525.5	13566.1	13609.2	15073.8	12832.4
55°	12400.9	12398.3	12591.8	12774.9	13407.8	14338.9	15374.6	15399.5	15089.5	16168.4	13753.1
57.5°	13131.9	13202.5	13496.7	13732.1	14616.1	15810.1	17247.2	17338.8	16644.4	16979.1	14663.2
60°	12899.1	12933.1	13585.7	14456.6	16121.3	17901.1	19142.1	19165.6	17813.5	17788.6	15814.0
62.5°	10989.9	11008.2	12033.4	13828.9	16883.7	20613.2	21427.9	21044.8	19157.8	18911.9	17191.0
65°	7532.3	7651.3	8507.9	10727.0	15483.1	22314.6	24966.6	24332.3	21206.9	20530.9	18435.9
67.5°	4435.7	4410.9	4834.6	6469.2	11371.7	21184.7	29442.8	28812.5	24001.5	21614.9	18071.1
70°	3029.9	3012.9	3175.1	3916.6	6419.5	16433.8	30851.2	32123.6	26469.1	20885.2	15552.5
72.5°	2162.9	2172.1	2411.4	3043.0	4030.3	9575.0	26530.6	29542.2	25696.3	18207.1	11821.6
75°	1468.5	1493.4	1836.0	2496.4	3533.4	4871.2	18826.9	22457.1	20924.5	13232.6	6794.8
77.5°	789.8	817.3	1221.4	2011.2	3194.7	3384.3	12110.6	15455.7	13143.7	5948.7	1969.4
80°	329.5	345.2	571.5	1462.0	2760.6	2972.4	7125.6	9372.3	5600.9	1173.0	439.4
82.5°	142.5	150.4	238.0	872.2	2063.5	2509.5	3772.7	4508.9	1697.4	257.6	221.0
85°	27.5	28.8	98.1	461.6	1316.9	1416.2	2445.4	2397.0	762.4	111.2	160.8
87.5°	0.0	0.0	23.5	145.2	387.1	771.5	1492.1	1473.8	258.9	53.6	60.2
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°	9289.9	9289.9	9289.9	9289.9	9289.9	9289.9	9289.9	9289.9	9289.9	9289.9	9289.9
2.5°	9216.7	9126.4	8936.8	8702.7	8523.6	8326.1	8169.2	7970.4	7884.1	7888.0	7841.0
5°	9010.0	8824.3	8404.6	7875.0	7467.0	7045.9	6683.6	6322.7	6109.6	6040.3	5974.9
7.5°	8714.5	8420.3	7750.7	6934.7	6244.3	5569.5	4982.3	4465.8	4138.9	3979.3	3920.5
10°	8381.0	7967.8	6998.8	5923.9	4937.9	4025.1	3264.0	2602.3	2338.2	2159.0	2113.2
12.5°	8088.1	7528.4	6263.9	4886.9	3716.5	2615.4	1889.6	1477.7	1298.5	1227.9	1216.2
15°	7812.2	7117.8	5556.4	3947.9	2573.5	1609.8	1201.8	1061.9	1020.0	1008.2	1008.2
17.5°	7552.0	6726.8	4864.6	3023.4	1702.6	1128.5	995.2	963.8	950.7	949.4	950.7
20°	7280.0	6335.8	4184.6	2215.2	1188.7	955.9	919.3	902.3	898.4	898.4	898.4
22.5°	7019.7	5944.8	3522.9	1582.3	953.3	872.2	853.9	842.2	838.2	836.9	834.3
25°	6770.0	5573.4	2876.9	1118.1	836.9	799.0	783.3	767.6	755.8	749.3	745.4
27.5°	6564.6	5242.6	2275.4	897.1	755.8	723.2	703.5	680.0	651.2	638.2	632.9
30°	6401.2	4940.5	1753.6	757.2	680.0	647.3	617.2	576.7	534.8	512.6	511.3
32.5°	6273.0	4643.6	1331.2	669.5	612.0	571.5	528.3	477.3	428.9	404.1	402.8
35°	6210.3	4382.1	1017.4	605.5	551.8	500.8	447.2	391.0	343.9	320.4	317.8
37.5°	6252.1	4161.1	793.8	551.8	500.8	442.0	379.2	320.4	278.5	257.6	256.3
40°	6405.1	4019.9	644.7	506.1	457.7	385.8	317.8	262.8	227.5	210.5	209.2
42.5°	6730.7	3967.6	550.5	468.2	415.8	333.5	264.2	217.1	184.4	172.6	170.0
45°	7274.7	4044.7	486.5	431.5	372.7	283.8	218.4	177.8	149.1	139.9	138.6
47.5°	7999.2	4247.4	440.7	396.2	333.5	239.3	181.8	143.8	121.6	112.5	111.2
50°	8932.9	4569.1	402.8	360.9	296.8	202.7	150.4	113.8	94.2	87.6	87.6
52.5°	9949.0	4952.3	368.8	328.2	260.2	168.7	121.6	87.6	74.5	66.7	66.7
55°	10788.5	5287.0	332.2	303.4	215.8	139.9	92.8	66.7	54.9	51.0	51.0
57.5°	11626.7	5644.0	290.3	260.2	172.6	113.8	70.6	49.7	40.5	37.9	37.9
60°	12713.4	6080.8	249.8	211.8	136.0	86.3	52.3	35.3	30.1	28.8	28.8
62.5°	13908.7	6337.1	213.2	170.0	105.9	64.1	37.9	23.5	22.2	22.2	20.9
65°	14639.7	5974.9	179.2	136.0	82.4	48.4	24.8	17.0	19.6	18.3	15.7
67.5°	13707.3	4677.6	146.5	105.9	64.1	36.6	15.7	11.8	20.9	17.0	13.1
70°	11349.5	3274.5	113.8	74.5	51.0	31.4	10.5	7.8	22.2	17.0	10.5
72.5°	8493.5	2191.7	90.2	49.7	37.9	27.5	9.2	3.9	19.6	14.4	9.2
75°	4641.0	882.7	71.9	31.4	23.5	19.6	6.5	2.6	13.1	10.5	6.5
77.5°	1221.4	232.8	52.3	20.9	13.1	7.8	3.9	1.3	6.5	5.2	2.6
80°	311.2	90.2	34.0	14.4	9.2	3.9	0.0	0.0	1.3	0.0	0.0
82.5°	166.1	37.9	20.9	10.5	5.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	125.5	24.8	11.8	6.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	48.4	7.8	3.9	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)